Residential and Commercial

HVACR Standard Motor Catalog

Heating
Ventilation
Air Conditioning
Refrigeration
Agriculture

Rely on US™

For All Your HVACR Needs



embraco Nidec

US MOTORS

RESCUE

Nidec

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Quick Summary
HVACR Motor Cross Reference

Motor Description	Model U.S. MOTORS®	RESCUE Upgrade	High Efficiency Upgrade	Model AOS/Century	Model Fasco	Model Genteq	Model Magnetek	Model Marathon
Condenser Fan, Totally Enclosed, Alll Position Mounting								
1/6 HP	1859	5462	1859PEP	FSE1016SV1	D917	3727	184	X411
1/4 HP	1860	5462	1860PEP	FSE1026SV1	D909	3728	176	X412
1/3 HP	1861	5462	1861PEP	FSE1036SV1	D908	3729	175	X413
1/2 HP	1862	5465	1862PEP	FSE1056SV1	D907	3730	187	X414
3/4 HP	1868	5482H		FSE1076SV1	D933	3731	779	X095
Condenser Fan, Open Drip-Proof, Shaft Up or Horizontal Applications								
1/6 HP		5462	1859PEP	FS1016S	D927	3327		
1/4 HP	3851	5462	1860PEP	FS1026S	D749	3328	0500	X213
1/3 HP	6880	5462	1861PEP	FS1036S	D748	3329	0501	X214
1/2 HP	3852	5465	1862PEP	FS1056S	D745	3330	0502	X221
3/4 HP	3097	5482H		FS1076S	D929	3331	738	X298
Direct Drive 115 Volts								
1/4 HP	1863	5460	5522ET	DL1026	D721	3583	0533	X000
1/3 HP	1864	5460	5522ET	DL1036	D727	3585	0532	X002
1/2 HP	1865	5460	5532ET	DL1056	D701	3587	0531	X004
3/4 HP	8904	5470	5542ET	DL1076	D728	3589	0678	X009
1 HP	8906		5552ET	BDL1106				
Direct Drive 208-230 Volts								
1/4 HP	1971	5461	5522ET	D1026	D725	3584	0530	X001
1/3 HP	1972	5461	5522ET	D1036	D923	3586	0529	X003
1/2 HP	1973	5461	5532ET	D1056	D703	3588	0528	X005
3/4 HP	8905	5471	5542ET	D1076	D729	3590	0679	X010
1 HP	8907		5552ET	BDL1106				
Belt Drive 115 Volts								
1/4 HP	8000			GF2024		4701	933	B206
1/3 HP	8100			GF2034		4706	934	B207
1/2 HP	8200			GF2054		4708	935	B208
Oil Burner								
1/8 HP 1725 RPM	3196			EL2005		4782	723	O600
1/7 HP 3450 RPM	3274			OBK6002		4777		O701
1/7 HP 3450 RPM	5866			EL2002V1		4779	F225	O100
1/7 HP 3450 RPM	3083			EL2002		4779	F225	O100
1/6 HP 1725 RPM	3252			EL2014		4784	726	O601
1/4 HP 3450 RPM	2302			EL2022		4785	F335	O004
Three Phase GP ODP 1800 RPM 208-230/460 Volts NEMA Premium®†								
1HP 143T	D1E2D		D1P2D	E100		K2005	E100	E715
1-1/2HP 145T	D32E2D		D32P2D	E101		K2006	E101	E716
2HP 145T	D2E2D		D2P2D	E102		K2007	E102	E717
3HP 182T	D3E2D		D3P2D	E226		S2504	E226	E718
5HP 184T	D5E2D		D5P2D	E227		S2511	E227	E719
7-1/2HP 213T	D7E2D		D7P2D	E300		S2518	E300	E720
10HP 215T	D10E2D		D10P2D	E301		S2525	E301	E721
15HP 254T	D15E2D		D15P2D	E449		S2532	E449	E722
20HP 256T	D20E2D		D20P2D	E457		S2539	E457	E723
25HP 284T	D25E2D		D25P2D	E546		S2127	E546	E724

Table of Contents

INTRODUCTION

Customer Service Centers

Quick Summary HVACR Motor Cross Reference

How To Use Motor Listings i

Catalog Numbering System. ii

Model Number Explanation (FHP) iii

Suitability of Integral Horsepower (IHP)* Motors on Variable Frequency Drives . . . . . iii-iv

Agency Approvals. iv

Motor / Inverter Compatibility v

Limited Warranty vi

HEATING AND AIR CONDITIONING MOTORS

Heating and Air Conditioning Motors (HVACR) Overview 1

RESCUE® ECM Refrigeration and Evaporator 2

RESCUE® 58MM ECM Fan Packs 3

RESCUE EcoTech® ECM Direct Drive Blower, 5.6" Diameter, Open Air Over 4

RESCUE EZ13® Universal ECM Replacement, Direct Drive Blower, 5.6" Diameter, Open Air Over 5

RESCUE Select Pro™ Programmable ECM, Direct Drive Blower, 5.6" Diameter, Open Air Over 6

RESCUE EZ16® ECM, 16-Pin Variable Speed Replacement, Direct Drive Blower, 5.6" Diameter, Open Air Over 7

RESCUE® PerfectSpeed® ECM Ventilation Motor, With User Interface for Speed Control, 5.6" Diameter, Open Air Over 8

PerfectSpeed® ECM Ventilation Motor, For ClimateTalk™/PWM, 5.6" Diameter, Open Air Over 9

RESCUE EcoTech® Outdoor ECM Condenser Fan, 5.6" and 6.3" Diameter, Totally Enclosed, Air Over (TEAO) 10

RESCUE® Permanent Split Capacitor Condenser Fan with EZ-FIT® Motor Mounting, 5.0" Diameter, Totally Enclosed, Air Over (TEAO). 11

RESCUE® Permanent Split Capacitor Condenser Fan, 5.6" Diameter, Totally Enclosed Air Over (TEAO). 12

RESCUE® Permanent Split Capacitor, Direct Drive Fan & Blower, 5.6" Diameter, Open Air Over (OAO). 13

RESCUE® Liberty™ Permanent Split Capacitor, Condenser Fan and Direct Drive Blower, 5.6" Diameter 14

RESCUE EZ-Wire™, Clear Pack, Permanent Split Capacitor, Condenser Fan and Direct Drive Blower, 5.6" Diameter 15

Draft Inducers 16-17

Shaded Pole Unit Bearing Fan Totally Enclosed 18

Permanent Split Capacitor Direct Drive Fan 3.3" Diameter, Open and Totally Enclosed Designs. 19

Permanent Split Capacitor Condenser Fan 5.0" Diameter, Totally Enclosed Air Over (TEAO). 20

Permanent Split Capacitor PEP® High Efficiency Condenser Fan 5.6" Diameter, Totally Enclosed, Air Over (TEAO) 21

Permanent Split Capacitor MOJAVE® Series Condenser Fan 5.6" Diameter, Totally Enclosed Air Over (TEAO). 22

Permanent Split Capacitor Condenser Fan 5.6" Diameter, Open Drip Proof, Air Over 23

Permanent Split Capacitor Commercial Condenser Fan Open Drip Proof & Totally Enclosed, Air Over 24

Three Phase, Commercial Condenser Fan, 5.6" and 6.3" Diameter, Open Drip Proof, Air Over 25

VariTough® Three Phase Inverter Duty Commercial Condenser Fan, 6.3" Diameter, Open Drip Proof, Air Over, with AEGIS® SGR Protection 26

VariTough® Three Phase, Inverter Duty, Commercial Condenser Fan, 6.3" Diameter, Open Drip Proof, Air Over. 27

Three Phase MOJAVE® Series Commercial Condenser Fan Open Drip Proof, Air Over 28

Permanent Split Capacitor Direct Drive Fan, Single and Double Shaft, 5.0" Diameter, Open Air Over 29

Permanent Split Capacitor Packaged Terminal A/C Heat Pump, Single and Double Shaft, 5.0" Diameter, Open Air Over. 30

Permanent Split Capacitor, Direct Drive Fan, Double Shaft 5.6" Diameter, Open Drip-Proof. 31-32

Permanent Split Capacitor, Direct Drive Fan & Blower, 5.6" Diameter, Open Air Over 33-34

Permanent Split Capacitor Flex Mount Direct Drive Fan & Blower 5.0" & 5.6" Diameter, Open Air Over 35

Permanent Split Capacitor Ventilation Direct Drive Blower 5.0" and 5.6" Diameter, Open Air Over 36

Permanent Split Capacitor Unit Heater Fan 5.6" and 6.3" Diameter, Totally Enclosed, Air Over 37

Split Phase Evaporative Cooler 6.3" Diameter, Open Drip Proof 38

Split Phase Belted Fan & Blower Open Drip Proof, NEMA®† 48 Frame, Single & Two Speed. 39

Split Phase Belted Fan & Blower Open Drip Proof, NEMA®† 56 Frame, Single & Two Speed. 40

Split Phase and Capacitor Start Oil Burner Totally Enclosed When Mounted. 41

Capacitor Start Belted Fan & Blower Open Drip-Proof, Resilient Base 42

Three Phase Commercial Belt-Drive Blower Motor Open Drip Proof, Air Over Not Required 43

HVAC Motor Accessories 44-46

HVAC Run Capacitors 47-48

Embraco Condensing Unit Evaporative Drain Pan (EDP) Undercounter 49

Embraco Condensing Unit Evaporative Drain Pan (EDP) Reach-In 50-51

Embraco Scroll Compressors. 52

Embraco Condensing Units 1st Generation. 53-54

Embraco Condensing Units 2nd Generation 55-57

Embraco Condensing Unit Evaporative Drain Pan (EDP) Undercounter 58

Embraco Condensing Unit Evaporative Drain Pan (EDP) Reach-In 59-60

COOLING TOWER DUTY MOTORS

Cooling Tower Duty Motors Overview 61

Stock World Motor Cooling Tower Duty Three Phase, TEAO & TEFC

Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque, Internal SGR. 62-64

Table of Contents

GENERAL PURPOSE SINGLE PHASE MOTORS

General Purpose Single Phase Motors Overview 65

General Purpose Single Phase Open Drip Proof (ODP) Split Phase 66

General Purpose Single Phase Open Drip Proof (ODP) Resilient Base, Capacitor Start and Run 67

General Purpose Single Phase Open Drip Proof (ODP) Rigid Base, Capacitor Start and Run 68-69

General Purpose Single Phase Open Drip Proof (ODP) C-Face, Capacitor Start and Run 70

General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) Rigid Base 71-72

General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) C-Fac5 73-74

AGRICULTURE MOTORS

Agriculture Motors Overview 75

Special Application Agriculture Single Phase, Totally Enclosed Fan Cooled (TEFC), Ultra High Torque, Capacitor Start 76

Special Application Air Compressor Single Phase, Open Drip Proof (ODP) 77

Special Application Agriculture Totally Enclosed Fan Cooled (TEFC) Agri Duty High Torque Single Phase, Capacitor Start 78

Special Application Agriculture Aeration Fan & Crop Dryer 79

Special Application Agriculture Auger Duty Motors104 80

GENERAL PURPOSE MOTORS

General Purpose Motors Overview 81

General Purpose Three Phase Open Drip Proof (ODP) NEMA®† Premium Efficient 82-86

General Purpose Three Phase, Open Drip Proof (ODP) Resilient Base NEMA®† Premium Efficient 87

General Purpose Three Phase, Open Drip Proof (ODP) NEMA®† Premium Efficient, C-Face 88

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT ® NEMA®† Premium Efficient 89-90

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA®† Premium Efficient, C-Face Footed 91

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNI-MOUNT® NEMA®† Premium Efficient, C-Face Footless 92

Definite Purpose Three Phase, UNIMOUNT® Totally Enclosed Fan Cooled (TEFC) Multi-Speed 93

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY® NEMA®† Premium Efficient 94-97

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY® NEMA®† Premium Efficient C-Face9 98

COMMERCIAL DUTY PUMP MOTORS

Commercial Duty Pump Motors Overview 99

Special Application Commercial Pump Single Phase Open Drip Proof (ODP) C-Face 100-101

Special Application Commercial Pump Single Phase Totally Enclosed Fan Cooled (TEFC) C-Face 102-103

Special Application Carbonator Pump Single Phase Open Drip Proof (ODP) Split Phase 104

Split Phase Hot Water Circulating Pump Open Drip Proof (ODP) 105

Special Application Commercial Pump Three Phase Open Drip Proof (ODP) C-Face 106-107

Special Application Commercial Pump Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face 108-110

CLOSE COUPLED PUMP MOTORS

Commercial Duty Pump Motors Overview 111

Special Application Close Coupled Pump Single Phase Open Drip Proof (ODP) 112

Special Application Close Coupled Pump Single Phase, Totally Enclosed Fan Cooled (TEFC) 113

Special Application Close Coupled Pump Three Phase, Open Drip Proof (ODP) 114-116

Special Application Close Coupled Pump Three Phase, Totally Enclosed Fan Cooled (TEFC) 117-119

INTEGRAL HORSEPOWER KITS

INTEGRAL HORSEPOWER KITS . . . . .

World Motor C-Face Kits 120

World Motor D Flange Kits 121

World Motor Drip Cover and Vertical Lifting Kits 122

World Motor Cast Iron Conversion Kits 123

Brake Kits 124

TERMS & GUIDES

Terms & Conditions of Sale 125

Motor Terminology Guide 126-128

Motor Selection Guide 129-141

INDEX

Index Sorted by Catalog Number 142-150

NEMA®† Dimension Guide

How To Use Motor Listings

Select the Application:
Air Conditioner, Fan, Pump, etc.

Select the Motor Type:
Capacitor Start, Split Phase, Shaded Pole, Permanent Split Capacitor, Or Three Phase

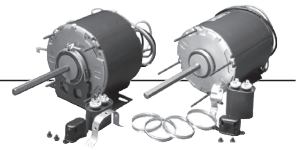
Select the Enclosure:
Open Drip-Proof,
Totally Enclosed, etc.

Select the Mounting Type:
Resilient Base, Rigid Base, Stud, etc.

Select Other Parameters:
Horsepower, Voltage, Speeds, Service Factors, Bearing type, etc.

Order Motors by Catalog Number

Permanent Split Capacitor Condenser Fan
5.6" Diameter, Open Drip-Proof, Air Over



APPLICATIONS:
For use on condenser cooling fans.

FEATURES:

- High Efficiency Economizer® Rated (except as noted)
- 20" or 30" Leads unless otherwise noted
- Double Flats on Shaft—Economizer® Models
- Capacitor Mounting Holes in Frame Band
- Designed for use with 370V Capacitors
- Automatic Reset Thermal Overload Protector
- Bearings have All Angle Thrust System
- Enclosed Endshield at Shaft End
- Continuous Duty, Air Over
- Class B Insulation
- Green Ground Lead
- Extended Studs
- 60 Hz
- Reversible Rotation
- Water Slinger

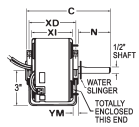


Figure A

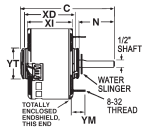


Figure B

Resilient Base, Shaft Up or Horizontal, With Capacitor

HP	RPM/ Spds.	Voltage	Catalog Number	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt.	Notes	OEM
1/4	1075	230	3846	SAB	5.0	1.9	4.9	5.1	4.6	10.4	1	15	62	
1/3	1625	230	4811	SAB	5.0	1.8	4.9	5.1	4.6	10.7	1	16		
	1625	230	4961	Ball	5.0	1.8	4.9	5.1	4.6	10.7	1	17	62	
	1075	230	3847	SAB	7.5	2.2	4.9	5.5	4.9	10.9	1	16		
	1075	230	4960	Ball	7.5	2.2	4.9	5.4	4.8	10.9	1	16		
1/2	1075	230	3848	SAB	7.5	3.1	5.0	6.5	5.9	12.0	1	19		
	1075	230	7025	Ball	7.5	3.1	4.9	6.4	6.0	11.9	1	18		

Hub Ring Mount (2 1/4"), Shaft Up or Horizontal, Without Capacitor (unless otherwise noted)

HP	RPM/ Spds.	Voltage	Catalog Number	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt.	Notes	OEM
1/8-1/5	1075	230	8537	SAB	5.0	0.8/1.4	3.31	4.1	3.56	7.4		10	62	RH
1/3	825	230	5345	Ball	5.0	3.0	6.0	6.9	6.4	12.9	1	19	64	
	825	208-230	7040	Ball	7.5	2.7	6.0	6.4	6.0	12.4	1	18		
1/2	825	230	7041	Ball	12.5	2.8	6.0	6.7	5.8	13.2	1	21		

RH = Rheem

Note 62: Not an Economizer® model
Note 64: Capacitor Supplied Detached

All dimensions given in inches unless otherwise noted.

HVACR Motor OEM Code Reference

Many HVACR motors have been designed as direct replacement for OEM applications. Such ratings are identified by a two digit code in the right most column of the motors listings. These codes correspond with the following original equipment manufacturers (OEM).

Additional information about each of the OEM motors in the OEM Replacement section of the catalog, pages 7–25.

Code	OEM
AA	Aaron
AD	Addison
SE	Sears
AM	Amana
AR	Arkla
BO	Bohn
CA	Carrier
CO	Copeland
DB	Dunham Bush
FE	Fedders
GB	Gibson
HR	Hill Refrigeration
HU	Hussmann

Code	OEM
IC	ICP
IE	IEC
KR	Krack
LA	Larkin
LE	Lennox
MQ	McQuay
MI	Miller
RH	Rheem
TE	Tecumseh
TR	Trane
TY	Tyler
WP	Whirlpool
YK	York

Catalog Numbering System (IHP)

C	25	E	( )	2	B	( )	( )	C	R	( )
CORRO-DUTY®	25 HP	Energy Efficient Three Phase		4 Pole	230/460 Volts			C-Face	No Base (Footless)	
1	2	3	4	5	6	7	8	9	10	11

1 PRODUCT FAMILY

8P	841 PLUS®
A	AUTOMOTIVE DUTY
AB	AUTO DUTY BRKLESS BRKMTR
B	INVERTER DUTY BLOWER COOLED
BD	BELT DRIVE FAN
BF	BRAKE MOTOR-FAST
BM	BRAKE MOTOR
BMU	UNIMOUNT® BRAKE MOTOR
BR	BRAKE MOTOR-FCR
C	CORRO-DUTY®
CA	CORRO-DUTY® ARCTIC DUTY
CJ	CORRO-DUTY® CCP
CO	CONDENSER FAN
D	ODP GEN. PURPOSE
DC	ODP COMPRESSOR
DD	DIRECT DRIVE FAN
DH	DRY HYDRO
DJ	ODP CCP MOTOR
E	ELEVATOR MOTOR - L32 FLANGE
EE	COMMERCIAL PUMP/GEN. PURPOSE
ELT	E-LINE®
EZ	ELEVATOR MOTOR - Z-FLANGE
FD	FARM DUTY
FDU	FARM DUTY - ULTRA HIGH TORQUE
FF	FIREPUMP
FP	FLOOR POLISHER - 1 PHASE
H	HOSTILE DUTY
HC	HOSTILE DUTY - ALL CAST IRON
HJ	HOSTILE DUTY CCP
HO	HIGH THRUST OPEN
HS	HIGH THRUST OPEN - 1 PHASE
HT	HIGH THRUST TEFC
HVW	COOLING TOWER TEAO
HW	COOLING TOWER TEFC
J	CCP
JD	JET PUMP OPEN MOTOR
JT	JET PUMP TEFC MOTOR
KT	FINISHED GOODS KITS
LD	L.S. BUYOUT ODP
LT	L.S. BUYOUT TEFC
M	IEC METRIC
NO	NORMAL THRUST OPEN
NT	NORMAL THRUST TEFC
PD	PEDESTAL FAN
PF	POWER FACTOR CORR CAPS
PT	POWER TOOL
PW	PRESSURE WASHER
S	UNIMOUNT® ROLLED STEEL
T	TEFC
TA	TEAO
TN	TENV
U	UNIMOUNT®
UI	UNIMERSE®
UJ	UT CCP
UN	UT TENV
UV	UT TEAO
VB	VECTOR BLOWER COOLED
VN	VECTOR NON-VENT
WD	WASHDOWN DUTY
WDP	WASHDOWN DUTY PAINT FREE
WDS	WASHDOWN DUTY ALL STAINLESS
WI	WEATHER PROTECTED TYPE I
WII	WEATHER PROTECTED TYPE II
X	HAZ. LOCATION DUAL LABEL
XA	HAZ. LOCATION AUTOMOTIVE DUTY
XC	HAZ. LOCATION DUAL LABEL CORRO-DUTY®
XJ	HAZ. LOCATION DUAL LABEL CCP
XS	HAZ. LOCATION DUAL STEEL FRAME
Y	HAZ. LOCATION SINGLE LABEL
YC	HAZ. LOCATION SINGLE LABEL CORRO-DUTY®
YS	HAZ. LOCATION SINGLE LABEL CCP

2 HP

00	SPECIAL
0110	1/10
0112	1/12
18	1/8
16	1/6
14	1/4
13	1/3
12	1/2
34	3/4
1	1
32	1-1/2
2	2
3	3
5	5
7	7-1/2
10	10
15	15
20	20
25	25
30	30
40	40
50	50
60	60
75	75
100	100
125	125
150	150
200	200
etc.	

3 ELECTRICAL

A	PERM SPLIT CAP (1Ø)
B	SPLIT PHASE (1Ø)
C	CAP START (1Ø)
D	CONSTANT TORQ 2WDG (3Ø)
E	ENERGY EFFICIENT (3Ø)
F	CONSTANT HP 1WDG (3Ø)
G	CONSTANT HP 2WDG (3Ø)
K	VAR TORQ 2WDG (3Ø)
L	VAR TORQ 1WDG (3Ø)
P	PREMIUM EFFICIENT (3Ø)
Q	DESIGN C (3Ø)
R	CONSTANT TORQ 1WDG (3Ø)
S	STD EFFICIENT (3Ø)
T	INV DUTY CON TORQ (3Ø)
V	INV DUTY VAR TORQ (3Ø)

DEFAULT MULTI-SPEED IS STD EFF
P&E PRECEDING MULTI-SPD ARE

P	PREM EFF
E	ENERGY EFF

4 SECOND ELECTRICAL

FRACTIONAL & TITAN® WHERE REQUIRED

A	AUTO PROTECT
M	MANUAL PROTECT
R	INSTANT REVERSING GATE & DOOR
T	TWO COMPARTMENT
Y	TITAN® F RISE @ 1.0 SF

5 POLES

1	2P
2	4P
3	6P
4	8P
5	10P
6	12P
7	14P
8	16P
9	4/8P
10	4/6P
12	2/4P
26	4/12P
34	6/8P
36	6/12P

6 VOLTAGES

2	2300
A	208-230/460 or 200-230/460
B	230/460
C	460
D	208-230/460 & 190/380
E	230/460 & 190/380
F	460/380
G	575
H	200
I	90
J	115/208-230
K	230 & 208-230
L	110/220
M	220/440 & 208-220/440
N	115
P	115/230
Q	180 (DC) & 190/380 (DC)
R	220/380-440 (Y-DELTA)
S	460 PWS
T	208/230
U	230/460 & 190/380 & 220/415
V	4000
W	2300/4000
X	200/400
Y	220/415
Z	OTHER

7 FRAME

DEFAULT 56 FRAME (FRACTIONAL 3Ø & ALL 1Ø) NEMA FRAME ASSIGNMENT (INTEGRAL HP)

FRACTIONAL 3Ø & ALL 1Ø
- 4 = 48
- 42 = 142
- 14 = 140
- 18 = 180
- 21 = 210
- H = SPECIAL NEMA 56H

INTEGRAL HP 3Ø
- F = DOWN FRAME
- G = UPFRAME

AIR CIRCULATORS/FANS
- 20 = 20" CIRC. HEAD DIA.
- 24 = 24" CIRC. HEAD DIA.
- 30 = 30" CIRC. HEAD DIA.

8 SHAFT (1ST DIGIT)

DEFAULT	T SHAFT; STD 48 OR 56 VSS (VERTICAL)
S	SHORT SHAFT
L	VHS
M	JM
P	JP
J	WEST COAST CCP
T	TM SHAFT
U	JMV
V	JPV
Z	SPECIAL

9 FLANGE (2ND DIGIT)

DEFAULT	NONE (HORZ) P-BASE (VERT)
A	SLEEVE BEARING
B	ROLLER BEARING
C	C-FACE
D	D-FLANGE
K	TCH (SPECIAL 'AK')
Q	SQUARE FLANGE
Y	SPECIAL

10 BASE (3RD DIGIT)

DEFAULT	F-1 RIGID BASE
R	NO BASE (FOOTLESS)
2	F-2 ASSEMBLY
3	F-0 ASSEMBLY
5	W-5 ASSEMBLY
6	W-6 ASSEMBLY
7	YOKE MOUNT
8	W-8 ASSEMBLY
9	RESILIENT BASE
E	P-BASE 10" BD
F	P-BASE 12" BD
G	P-BASE 16.5" BD
H	P-BASE 20" BD
J	P-BASE 24.5" BD

11 SPECIAL FEATURES (4TH DIGIT)

N	NO NRR (SRC) (VERT)
S	SPECIAL MOUNTING
T	TUNGSTEN SEAL (VERT)
X	EXTRA HIGH THRUST (VERT)
-C	CONVERSION
-P	PRODUCTION

Model Number Explanation (FHP)

U.S. MOTORS®

K55HXRWS-8158

K	55	HX	RWS	-	8158

Type of Electrical Motor

Diameter of Stator (e.g. 5.5")

Thermal Protector

Model Code beginning with A&S thru Z are catalog motors. All others are OEM specific

Style #

- **First letter describes the type of motor**
- **K55HXRWS-8158**
  - **F = Shaded Pole**
  - **K, KA = Permanent Split Capacitor**
  - **C, CA or KS = Capacitor Start**
  - **P = Poly Phase**
  - **R or RK = Resistance Start - Capacitor Run**
  - **S, SA = Split Phase**

Suitability of Integral Horsepower (IHP)* Motors on Variable Frequency Drives

Variable Frequency Drives (VFD)

All Nidec Motor Corporation inverter duty motors have 40°C ambient, 1.0 SF on Inverter Power, 3300 ft. max altitude, 460 voltage or less line power, up to 10:1 speed range on Variable Torque and Class F Insulation.

Nidec Motor Corporation's INVERTER GRADE® insulated motors exceeded NEMA®† MG-1 Part 30 & 31 before the standards were established.

We are a leader in the development of electric motors to withstand pulse width modulated (PWM) drives evolution from power transistors to higher switching frequency insulated gate bipolar transistors (IGBTs).

Today, as the need for medium duty motor inverter applications grows, Nidec Motor Corporation provides products to meet these demands.

Through continued research and development, Nidec Motor Corporation has included the insulation wire from its INVERTER GRADE® motors in all Premium Efficient motors, enhancing their potential inverter compatibility.

Inverter compatibility with motors is complex. As a result, many variables must be considered when determining the suitability of certain types of motors. These variables include:

- Torque requirements (Constant or Variable)
- Speed Range
- Line/System Voltage
- Cable Length between VFD & Motor
- Drive Switching (Carrier) Frequency Motor Construction
- VFD dv/dt
- High Temperatures High Humidity

Wider speed ranges, higher voltages, higher switching frequencies and increased cable lengths all add to the severity of the application and therefore the potential for premature motor failure. Nidec Motor Corporation has differentiated its products into families for your ease of selection for various inverter applications.

Warranty Guidelines

The information within this section refers to the motor and drive application guidelines and limitations for warranty.

Hazardous Location Motors

Use of a variable frequency drive with the motors in this catalog, intended for use in hazardous locations, is only approved for Division 1, Class I, Group D hazardous location motors with a T2B temperature code, with a limitation of 2:1 constant torque or 10:1 variable torque output. No other stock hazardous location motors are inherently suitable for operation with a variable frequency drive. If other requirements are needed, including non-listed Division 2, please contact your Nidec Motor Corporation territory manager to conduct an engineering inquiry.

575 Volt Motors

575 volt motors can be applied on inverters when output filters are used.

Applying INVERTER GRADE® Insulated Motors on Variable Frequency Drives (2, 4, 6 pole)

The products within this catalog labeled "Inverter Duty" or "Vector Duty" are considered INVERTER GRADE® insulated motors. INVERTER GRADE® motors exceed the NEMA®† MG-1 Part 31 standard.

Nidec Motor Corporation provides a three-year limited warranty on all NEMA®† frame INVERTER GRADE® insulated motors and allows long cable runs between the motor and the VFD (limited to 400 feet typical without output filters). Cable distance can be further limited by hot and humid environments and VFD manufacturers cable limits. These motors may be appropriate for certain severe inverter application or when the factors relating to the end use application are undefined (such as spares).

Nidec Motor Corporation's U.S. Motors® brand is available in the following INVERTER GRADE® insulated motors:

- Inverter Duty NEMA®† frame motors good for 10:1 Variable Torque & 5:1 Constant Torque, including Vertical Type RUSI
- Inverter Duty motors rated for 10:1 Constant Torque
- ACCU-Torq® and Vector Duty Motors with full torque to 0 Speed
- 841 Plus® NEMA®† Frame Motors

*This information applies only to Integral Horsepower (IHP) motors as defined on the Agency Approval page, under UL®† & CSA®† listings where indicated.

Suitability of Integral Horsepower (IHP)* Motors on Variable Frequency Drives

Applying motors that do not have INVERTER GRADE® insulation on Variable Frequency Drives (2, 4, 6 pole)

Meet NEMA®† MG-1, Section IV, Part 31.4.4.2. They can be used with adjustable frequency drives under the following parameters: On NEMA®† frame motors, 10:1 speed rating on variable torque loads & 4:1 speed range on constant torque loads. On TITAN® frame motors, 10:1 speed rating on variable torque loads. On TITAN® frame motors, inquiry required for suitability on constant torque loads. Cable distances are for reference only and can be further limited by hot and humid environments. Refer to specific VFD manufacturers cable limits.

Cable Distances			
Maximum Cable Distance VFD to Motor			
Switching Frequency	460 Volt	230 Volt	380 Volt
3 Khz	127 ft	400 ft	218 ft
6 Khz	90 ft	307 ft	154 ft
9 Khz	73 ft	251 ft	126 ft
12 Khz	64 ft	217 ft	109 ft
15 Khz	57 ft	194 ft	98 ft
20 Khz	49 ft	168 ft	85 ft

Applying Standard & Energy Efficient Motors on Variable Frequency Drives is not recommended. VFD related failures on standard and energy efficient motors 444 frame and above will not be covered under warranty.

Agency Approvals

ISO 9001:2000 Certified

By British Standards Institute of America

CSA International (CSA®†)

Formally the Canadian Standards Association

CSA®† sets safety standards for motors and other electrical equipment used in Canada. The motors that meet the CSA®† standards display the CSA®† logo on the nameplate.

Underwriters Laboratories, Inc. (UL®†)

UL®† is an independent testing organization that sets safety standards for motors and other equipment and U.S. Motors® brand are UL®† component recognized.

Conformité Européenne European Community (CE Certification)

Nidec Motor Corporation provides a full line of general purpose CE certified motors. The CE marking indicates that the product complies with the essential requirements for health, safety, environmental and consumer protection. The CE mark can only be placed on those products that comply with the applicable European Directive. For U.S. Motors® brand, the CE logo is currently applied to non-hazardous location motors rated 1000 volts or less, frame 180 through 449, Dripproof and Totally Enclosed Fan Cooled enclosures. Many Nidec Motor Corporation motors have the CE logo. For information on motors with CE logos, contact your Nidec Motor Corporation representative. Other motors within this catalog that meet CE requirements will be labeled and certified to meet CE.

UL®† & CSA®† Listings

	UL®†		CSA®†	
	IHP	FHP	IHP	FHP
General Construction	E51488	E22922	191252	156060
Hazardous Location	E10336	E29183		
Thermal Protection	E38946	E10073		
Fire Pump	EX5189	-	-	-

Motor / Inverter Compatibility

Thermal Overloads and Single Phase Motors

Motors with thermal overloads installed may not operate properly on a VFD. The current carrying thermal overload is designed for sine wave power. Operation on a VFD may cause nuisance tripping or potentially not protect the motor as would be expected on line power. Thermo-stats or thermistors installed in the motor and connected properly to the VFD may provide suitable thermal overload protection when operating on a VFD. (Consult Codes)

Single phase motors and other fractional horsepower ratings are not designed to be operated on a VFD. Within Nidec Motor Corporation standard products, all motors NEMA®† 48 frame (5.5" diameter) and smaller are not suitable for VFD applications. Three phase 56 and 143/145 frame applications should be noted on the catalog price page; or if in doubt ask an Nidec Motor Corporation technical representative for recommendations on compatibility with a VFD.

Slow Speed Motors

Motors with a base design of slower than six poles require special consideration regarding VFD sizing and minimizing harmonic distortion created at the motor terminals due to cable installation characteristics. Additional external PWM waveform filters and shielded motor cables designed for PWM power may be required to provide acceptable motor life. Harmonic distortion on the output waveform should be kept to a minimum level (less than 10%).

690V Applications

Motors that will be applied to 690VAC PWM VFDs require the use of an external filter to limit peak voltage spikes and the use of an INVERTER GRADE® motor. Where available, an alternative to using an output filter is to upgrade to a 2300V insulation system.

Low Voltage TITAN® Motors

When using 449 frame and larger motors on PWM type VFDs consider the use of an external filter and shielded motor cables designed for PWM power to minimize harmonic distortion and peak voltages at the motor terminals. Harmonic distortion on the output waveform should be kept to a minimum level (less than 10%).

Bearing Currents related to PWM waveform

Due to the uniqueness of this condition occurring in the field, protection of the motor bearings from shaft currents caused by common mode voltages is not a standard feature on sine wave or Inverter Duty motor products, unless explicitly noted. Some installations may be prone to a voltage discharge condition through the motor bearings called fluting.

Fluting damage is related to characteristics of the PWM waveform, VFD programming and characteristics and installation.

Bearing fluting as a result of VFD waveform characteristics may be prevented by the installation of a shaft grounding device such as a brush or ring and/or correction of the installation characteristics causing the shaft voltage condition. Insulated bearing(s) may be required. VFD filters may be needed if bearing fluting is to be avoided.

Multiple Motors on a Single VFD

Special considerations are required when multiple motors are powered from a single VFD unit. Most VFD manufacturers can provide guidelines for proper motor thermal considerations and starting/stopping of motors. Typically, motors with automatic thermal protection are not recommended. Cable runs from the VFD and each motor can create conditions that will cause extra stress on the motor winding. Filters may be required at the motor to provide maximum motor life.

Grounding and Cable Installation Guidelines

Proper output winding and grounding practices can be instrumental in minimizing motor related failures caused by PWM waveform characteristics and installation factors. VFD manufacturers typically provide detailed guidelines on the proper grounding of the motor to the VFD and output cable routing. Cabling manufacturers provide recommended cable types for PWM installations and critical information concerning output wiring impedance and capacitance to ground.

Vertical Motors on VFDs

Vertical motors operated on VFD power present unique conditions that may require consideration by the user or installation engineer:

- Non-reversing-ratchet operation can interfere at low speeds (up to 300 RPM) causing locked rotor and drive tripping.
- Unexpected / unacceptable system vibration and or noise levels caused by the torque pulsation characteristics of the PWM waveform, a system critical frequency falling inside the variable speed range of the process or the added harmonic content of the PWM waveform exciting a system component
- Application related problems related to the controlled acceleration/ deceleration and torque of the motor on VFD power and the building of system pressure/ load.
- The impact the reduction of pump speed has on the down thrust reflected to the pump motor and any minimum thrust requirements of the motor bearings
- Water hammer during shutdown damaging the non-reversing ratchet

Humidity and Non-operational Conditions

The possible build-up of condensation inside the motor due to storage in an uncontrolled environment or non-operational periods in an installation, can lead to an increased rate of premature winding or bearing failures when combined with the stresses associated with PWM waveform characteristics. Moisture and condensation in and on the motor winding over time can provide tracking paths to ground, lower the Megohm resistance of the motor winding to ground, and lower the Corona Inception Voltage level of the winding.

Proper storage and maintenance guidelines are important to minimize the potential of premature failures. Space heaters or trickle voltage heating methods are the preferred methods for drying out a winding that has low megaohm readings. Damage caused by these factors are not covered by the limited warranty provided unless appropriate heating methods are properly utilized during non-operational periods and prior to motor start-up.

NEMA®† Application Guide for AC Adjustable Speed Drive Systems: http://www.nema.org/stds/acadjustable.cfm#download

*This information applies only to Integral Horsepower (IHP) motors as defined on the Agency Approval page, under UL®† & CSA®† listings where indicated.

Limited Warranty

Refer to usmotors.com website for the most up-to-date warranty information.

All Nidec Motor Corporation products shall carry the limited warranty of 12 months from the date of installation, not to exceed 18 months from date of manufacture except those specifically listed below, or noted within individual product family pages within this catalog.

	Installed / Manufactured	Installed / Manufactured
Industrial Motors 140 - 447 Frames	**Sine Wave Power**	**VFD Power**
Epact	18 / 24 months	12 / 18 months
Premium Efficient & NEMA®† Premium	36 / 42 months	24 / 30 months
Inverter Duty	36 / 42 months	36 / 42 months
841 PLUS®	60 / 66 months	24 / 30 months
Auto Duty Premium Efficient	36 / 42 months	24 / 30 months
Single Speed NEMA®† Premium Efficient Cooling Tower	36 / 42 months	24 / 30 months
ACCU-Torq®	36 / 42 months	24 / 30 months
TITAN Motors - 449 Frame and Larger	**Sine Wave Power**	**VFD Power**
Auto Duty Premium Efficient	24 / 30 months	18 / 24 months
Premium Efficient	24 / 30 months	18 / 24 months
841 PLUS®	24 / 30 months	18 / 24 months
Inverter Duty	24 / 30 months	24 / 30 months
FHP Special Warranties		
PEP PSC Condensers	24 / 30 months	
RESCUE ECM Watt	24 / 30 months	
RESCUE EcoTech	24 / 30 months	
RESCUE Select	24 / 30 months	
RESCUE Liberty	24 / 30 months	
Scroll Compressors		
1 Ph 410a/R22	24 / 30 months	

Heating & Air Conditioning

For use in condensing units, furnaces, evaporative coolers, commercial package equipment and conditioned air systems.

Horsepower: 1/10 – 2 HP

Phase: Single and Three Phase

RPM: 825, 1075, 1625 or 3450 RPM

Voltage: 115, 208-230, 460 or 575 Volts, 60 Hz; some motors are rated 50/60 Hz

Efficiency: Standard and Premium

Enclosure:
- Open Drip-Proof (ODP)
- Totally Enclosed, Air Over (TEAO)

Mounting: Extended Stud or Resilient Rings. Also many have mounting hardware or shell holes. Other hardware available in accessory section.

Bearings: Self Aligning or Ball available

Lubrication: Permanent on most units

Temp Rise: Class A or B as noted

Thermal Overload: Internal automatic thermal overloads unless otherwise noted

Agency: UL®† Recognized and CSA®† Certified





RESCUE® ECMs

- Universal ECM Replacement for Furnaces and Air Handlers



RESCUE® Direct Drive Blower Motor

- The Ultimate Truck Stock Motor™



RESCUE® Condenser Fan Motor

- The Ultimate Truck Stock Motor™



General Purpose Motors

- High efficiency electric motors that meet or exceed NEMA standards

RESCUE® ECM Refrigeration and Evaporator

APPLICATIONS:

Highly Efficient EC Motor for Refrigeration and Walk-in Evaporator

FEATURES:

- IP67: Capable of being submerged in water up to 30 minutes.
- Operating Temperature Range Approximately -40°C to 55°C
- Suitable for use in Evaporator Applications
- High Efficiency up to 70%
- Dual Voltage: No Connection Change Required
- Robust Ball Bearing System
- Meets ATEX Directive 94/9/EC
- Stainless shaft to prevent corrosion.
- UL/CUL Approved
- Thermally Protected



EC5407E



EC5409E



EC5408E

ECM Walk-in Evaporator

HP	RPM	Voltage	Catalog Number	List	Amps	Rotation	Ship Wt. (lbs)
1/15 - 1/25	1550-1625	115-230	EC5407E	$160	0.14 - 0.72	CCWOSE	3
	1550/775	115-230	EC5409E	$195	0.50 - 0.72	CCWOSE	3
	1550/800	115-230	EC5408E	$160	0.60 - 0.72	CCWOSE REV	3



EC5414N

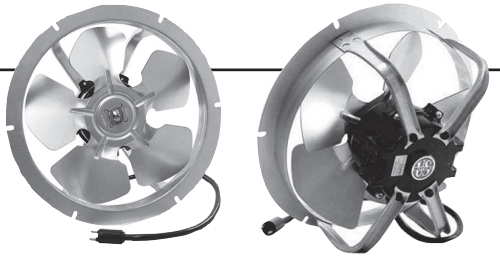


EC5411N, EC5412N

ECM Refrigeration

HP	RPM	Voltage	Catalog Number	List	Amps	Rotation	Ship Wt. (lbs)
4 - 25W	1550-1625 RPM	115-230	EC5411E	$108	0.22-0.75 / 0.15-0.45	CWOSE	1.53
	1550-1625	115-230	EC5411N	$108	0.22-0.75 / 0.15-0.45	CWOSE	1.55
	1550-1625	115-230	EC5412N	$108	0.22-0.75 / 0.15-0.45	CCWOSE	1.55
	1550/1650	115-230	EC5414N	$130	0.22-0.75 / 0.15-0.45	REV	1.55

RESCUE® 58MM ECM Fan Packs

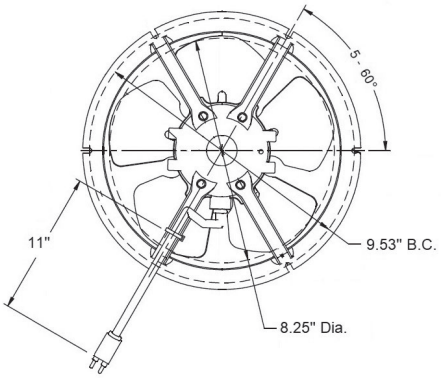


APPLICATIONS:

Highly Efficient EC Motor for Refrigeration and Walk-in Evaporator

FEATURES:

- IP67: Capable of being submerged in water up to 30 minutes.
- Operating Temperature Range Approximately -40°C to 55°C
- Five Blades, 72 Pitch degrees
- Blades are made of Zinc-Coated steel sheet with thickness of 1mm
- Suitable for use in Evaporator Applications
- High Efficiency up to 70%
- Dual Voltage: No Connection Change Required
- Robust Ball Bearing System
- Meets ATEX Directive 94/9/EC
- Stainless shaft to prevent corrosion
- UL/CUL Approved
- Thermally Protected



CFM	RPM	Voltage	Catalog Number	List	Amps	Ship Wt. (lbs)
270	1550	115-230	EC5470FP	$139	0.9 / 0.6	6.61
350	1700	115-230	EC5472FP	$139	0.15 / 0.86	6.61

RESCUE EcoTech® ECM Direct Drive Blower, 5.6” Diameter, Open Air Over

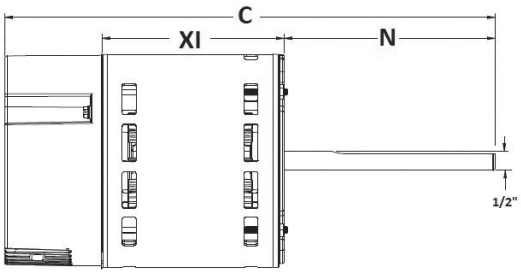


APPLICATIONS:

ECM Upgrade for PSC Direct Drive Commerical and Residential Air Handlers and Furnaces.

FEATURES:

- Electronically Controlled Brushless Permanent Magnet Motor
- 40°C Ambient Rated
- Reversible Rotation
- 48 Frame (5.6” Diameter)
- No Capacitor Required
- 2 Year Warranty
- Electronically Protected Motor
- Continuous Duty, Air Over
- Ball Bearing
- Class B Insulation
- 36” Leads
- 50 Hz Capable
- Up to 82% Efficient – provides a 25% increase in efficiency compared to conventional PSC blower motors in heating and cooling. 75% watt reduction in circulation mode.
- Exclusive Speed-Sensing Technology – allows the RESCUE ECOTECH® motor to connect just like a traditional PSC motor
- Fits a Wide Variety of Applications – Will work in both air handlers and furnaces and accepts several mounting methods, including flex mounts
- Wide Speed Range – Five available speeds insure contractors are able to easily meet the system’s airflow needs while a low 600 RPM fan speed provides quiet, efficient air circulation.
- Active Airflow Management – The RESCUE ECOTECH® motor’s advanced electronic control allows the motor to react to changes in the system, helping to maintain airflow as static pressures change.



HP	RPM	Voltage	Catalog Number	List	Recommended Cooling Speed	Recommended Heating Speed	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1 - 1/2	1075 / VAR SPD	115/208-230	5552ET	$634	High (Blk)	Med-Hi (YL)	4.5	4.41	11.48	15
1/2 - 1/4	1075 / VAR SPD	115/208-230	5532ET	$558	High (Blk)	Med-Hi (YL)	4.5	3.66	10.76	10
1/3 - 1/5	1075 / VAR SPD	115/208-230	5522ET	$525	High (Blk)	Med-Hi (YL)	4.5	3.41	10.46	9
3/4 - 1/3	1075 / VAR SPD	115/208-230	5542ET	$619	High (Blk)	Med-Hi (YL)	4.5	4.04	11.10	15

RESCUE EZ13® Universal ECM Replacement, Direct Drive Blower, 5.6" Diameter, Open Air Over

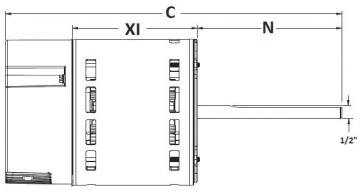


APPLICATIONS:

Universal high-efficiency ECM designed as a drop-in replacement for OEM constant torque motors.

FEATURES:

- Universal ECM Replacement for Selectech, X13 and EnduraPro
- Available in dual voltage (115/208-230V)
- No Programming required
- Auto-Sensing Rotation (460V version uses reversing plug)
- Uses Equipment's existing connections, for ease of installation
- High Efficiency Design
- Smooth, Quiet Start-Up and Speed Changes
- Potted Electric Module for Superior Moisture Protection
- Quiet Operation
- Belly Band Mounted
- 6000V Surge Protection
- Ball Bearings
- Wiring harness included



Single Voltage

HP	RPM	Voltage	Catalog Number	List	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/2	1050 / VAR SPD	115	56105S	$393	5.5	4.0	12.1	12
	1050 / VAR SPD	208-230	56205S	$393	5.5	4.0	12.1	10
3/4	1050 / VAR SPD	115	56107S	$431	5.5	4.4	12.5	14
	1050 / VAR SPD	208-230	56207S	$431	5.5	4.4	12.5	14
1	1050 / VAR SPD	115	56110S	$448	5.5	4.8	12.8	18
	1050 / VAR SPD	208-230	56210S	$448	5.5	4.8	12.8	18

Dual Voltage

HP	RPM	Voltage	Catalog Number	List	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/2	1075 / VAR SPD	115/208-230	5632	$393	5.0	3.7	11.2	13
3/4	1075 / VAR SPD	115/208-230	5642	$431	5.0	4.0	11.6	12
1	1075 / VAR SPD	115/208-230	5652	$448	5.0	4.4	12.0	14

460 Volts

HP	RPM	Voltage	Catalog Number	List	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/3	1050 / VAR SPD	460	5624	$468	5.0	3.5	11.4	10
1/2	1050 / VAR SPD	460	5634	$491	5.0	3.9	11.7	12
3/4	1050 / VAR SPD	460	5644	$539	5.0	4.3	12.1	14
1	1050 / VAR SPD	460	5654	$560	5.0	4.6	12.5	16

RESCUE Select Pro™ Programmable ECM, Direct Drive Blower, 5.6" Diameter, Open Air Over

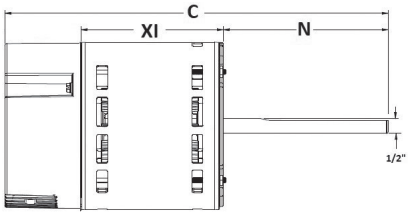


APPLICATIONS:

Programmable ECM designed as a drop-in replacement for OEM constant torque motors.

FEATURES:

- Universal ECM Replacement for Selectech, X13 and EnduraPro.
- Comes pre-programmed with standard settings to use for replacement.
- Programmable using the RESCUE Select Application to match OEM profile.
- Integrated Bluetooth® Technology.
- Uses Equipment's existing connections, for ease of installation.
- High Efficiency Design.
- Smooth, Quiet Start-Up and Speed Changes.
- Potted Electric Module for Superior Moisture Protection
- Belly Band Mounted.
- 6000V Surge Protection.



HP	RPM	Voltage	Catalog Number	List	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/2	1075 / VAR SPD	115/208-230 V	6633	$432	5.0	3.66	11.23	10
3/4	1075 / VAR SPD	115/208-230 V	6643	$474	5.0	4.04	11.60	12
1	1075 / VAR SPD	115/208-230 V	6653	$493	5.0	4.41	11.98	14

RESCUE EZ16® ECM, 16-Pin Variable Speed Replacement, Direct Drive Blower, 5.6" Diameter, Open Air Over

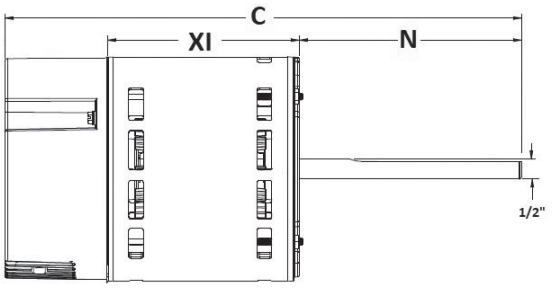


APPLICATIONS:

Universal high-efficiency ECM designed as a drop-in replacement for 16-pin variable speed motors.

FEATURES:

- 16-pin replacement for ECM 2.0 2.3 EON and Nidec 16x4W
- Adjustable airflow at point of installation
- Field Tunable and remote mounted EZ Interface for ease of access
- Multi-HP trim function to increase flexibility
- Uses equipment's existing connections, for ease of installation
- High Efficiency Design
- Smooth, Quiet Start-Up and Speed Changes
- Potted Electric Module for Superior Moisture Protection
- Belly Band Mounted
- 6000V Surge Protection



HP	RPM	Voltage	Catalog Number	List	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/3	1075 / VAR SPD	115/208 - 230	5863	$481	5.0	3.4	10.5	9
1/2	1075 / VAR SPD	115/208 - 230	5862	$530	5.0	3.7	10.7	10
3/4	1075 / VAR SPD	115/208 - 230	5861	$578	5.0	4.0	11.1	12
1	1075 / VAR SPD	115/208 - 230	5860	$587	5.0	4.4	12.0	14

RESCUE® PerfectSpeed® ECM Ventilation Motor, With User Interface for Speed Control, 5.6” Diameter, Open Air Over



APPLICATIONS:

ECM with user interface for speed control use in commercial ventilation and other air moving applications.

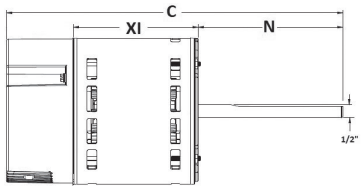
FEATURES:

MOTOR:

- Available in 1200 or 1800 RPM version
- 300 RPM minimum speed
- Highly efficient ECM
- 300-1200 up to 82% efficiency
- 300-1800 up to 85% efficiency
- Reversible Rotation
- Tri-Voltage models available
- Smooth, Quiet Start-Up and Speed Changes
- Potted Electric Module for Superior Moisture Protection

USER INTERFACE:

- Can be mounted directly to the motor control or remotely, providing easy access
- Powered off any line voltage from 115V-277V no separate transformer required
- Adjust motor speed by using the onboard potentiometer
- Optional remote 0-10VDC potentiometer (user- supplied)



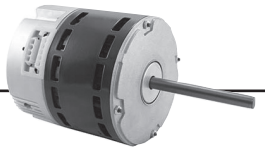
Rigid Base

HP	RPM	Voltage	Catalog Number	List	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1 - 3/4	300-1200	115/208-230	B8650UI	$495	4.5	4.8	11.9	17
	300-1800	115/208-230	B8450UI	$498	4.5	4.8	11.9	17
1/2 - 1/3	300-1200	115/208-230	B8630UI	$477	4.5	4.8	11.4	13
	300-1800	115/208-230	B8430UI	$472	4.5	4.8	11.4	13

Stud or Band Mount

HP	RPM	Voltage	Catalog Number	List	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1 - 3/4	300-1200	115/208-230-277	8652UI	$758	4.5	4.8	11.9	16
	300-1800	115/208-230-277	8452UI	$725	4.5	4.4	11.5	16
1/2 - 1/3	300-1200	115/208-230-277	8632UI	$691	4.5	4.0	11.1	12
	300-1800	115/208-230-277	8432UI	$686	4.5	3.7	10.7	12
3/4 - 1/2	300-1200	115/208-230-277	8642UI	$725	4.5	4.4	11.5	14
	300-1800	115/208-230-277	8442UI	$705	4.5	4.0	11.1	14

PerfectSpeed® ECM Ventilation Motor, For ClimateTalk™ / PWM, 5.6" Diameter, Open Air Over

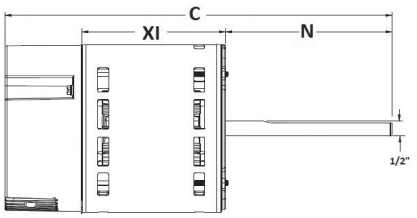


APPLICATIONS:

ECM which can be controlled by ClimateTalk™/PWM used in Commercial ventilation and other air moving applications.

FEATURES:

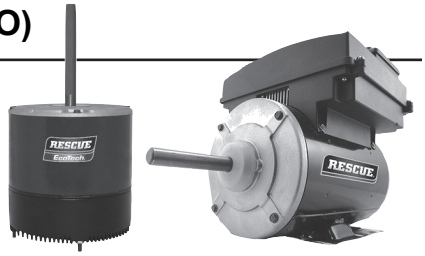
- Adjust motor speed by ClimateTalk™/PWM
- Highly Efficient ECM
- Reversible Rotation
- Smooth, Quiet Start-Up and Speed Changes
- Potted Electric Module for Superior Moisture Protection
- Used with PerfectSpeed® Interface (KIT 87) which can adjust the speed of the motor as low as 300 rpm.
- Can also be used with EZ Interface for 16 pin inputs.



Motor Only, No User Interface

HP	RPM	Voltage	Catalog Number	List	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/3	1800 / VAR SPD	115/208-230-277 V	8420PS	$517	4.5	3.4	10.5	9.2
	1050 / VAR SPD	115/208-230-277 V	8620PS	$446	4.5	3.7	10.7	12
1/2	1800 / VAR SPD	115/208-230-277 V	8430PS	$535	4.5	3.7	10.7	12
	1050 / VAR SPD	115/208-230-277 V	8630PS	$460	4.5	4.0	11.1	12
3/4	1800 / VAR SPD	115/208-230-277 V	8440PS	$531	4.5	4.0	11.1	14.08
	1050 / VAR SPD	115/208-230-277 V	8640PS	$491	4.5	4.4	11.5	14
1	1800 / VAR SPD	115/208-230-277 V	8450PS	$554	4.5	4.4	11.5	16.5
	1050 / VAR SPD	115/208-230-277 V	8650PS	$512	4.5	4.8	11.9	16

RESCUE EcoTech® Outdoor ECM Condenser Fan, 5.6” and 6.3” Diameter, Totally Enclosed, Air Over (TEAO)



APPLICATIONS:

High-Efficiency ECM for Condensers

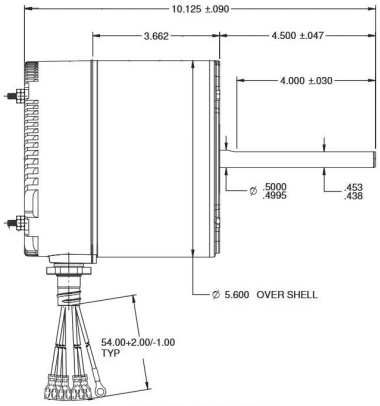
FEATURES:

Outdoor 48 Frame ECM, Single Phase

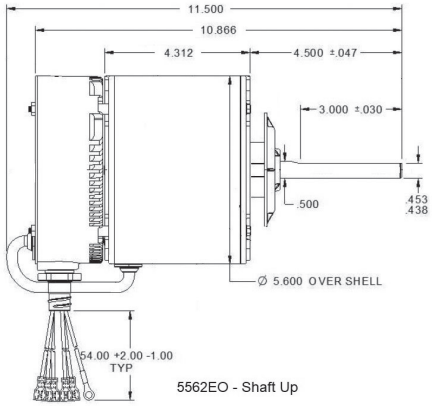
- Line-voltage starting motor with 2 speeds
- Surge protection: 6000V
- 24V speed tap to adjust second speed
- 24V rotation tap to change rotation
- High 60˚C max ambient operating temperature
- Shaft-Up or Down mounting

Outdoor 56 Frame ECM, Three Phase

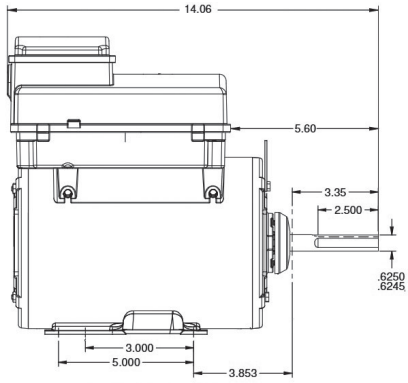
- Three Phase Commercial Condenser
- Rigid Base Mount
- ECM design provides high efficiency over broad RPM range
- Totally enclosed air-over design with integrated motor control
- Onboard interface board allows easy setup at installation without need for separate programming
- Horizontal or shaft-up mounting
- Active power factor correction
- 0-10Vdc or 10-0Vdc Inputs
- Constant Speed Operation
- NEMA®† 56 Frame



5561EO - Shaft Down



5562EO - Shaft Up



6361EO, 6362EO

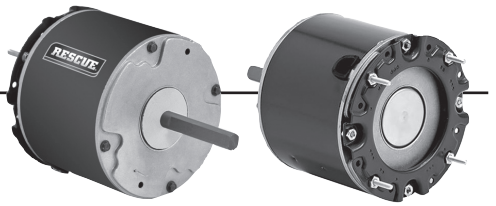
Outdoor 48 Frame ECM, Single Phase

HP	RPM	Voltage	Catalog Number	List	Amps	Rotation	Ship Wt. (lbs)
1/3	1200 / VAR SPD	208-230	5561EO	$352	2.5	CCW LE REV	11
	1200 / VAR SPD	208-230	5562EO	$352	2.5	CCW LEAD END REV	10

Outdoor 56 Frame ECM, Three Phase

HP	RPM	Voltage	Catalog Number	List	Amps	Rotation	Ship Wt. (lbs)
2 1/4	300-1200/VAR SPD	460	6362EO	$1650	2.7	REVERSIBLE	56
2 1/2	300-1200/VAR SPD	208-230	6361EO	$1564	6.5-5.8	REVERSIBLE	45

RESCUE® Permanent Split Capacitor Condenser Fan with EZ-FIT® Motor Mounting, 5.0" Diameter, Totally Enclosed, Air Over (TEAO)

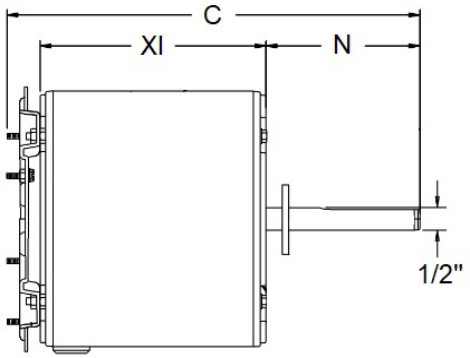


APPLICATIONS:

Commercial and Residential Condensing Units. Can replace a range of horsepower application and a variety of mounting styles

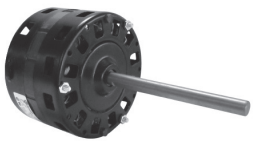
FEATURES:

- Multi HP
- 158°F (70°C) Ambient Design
- Ball Bearings Have All Angle Thrust System
- Extended Studs
- Drain Holes Both Ends
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Continuous Duty
- Suitable for use with 370V Capacitors
- Special Treated Rotor for Corrosion Protection
- 36" Leads
- **EZ-FIT® Motor Mounting System consolidates three bolt circle diameters (4.3", 4.4", 4.6") into one adapter bracket that allows the end user to adjust bolt circle mounting diameter. Motor is shipped with studs in position for Clam Shell (4.3" B.C.)**





Clam Shell
● 4.3" Bolt Circle



3 Pc
●● 4.4" Bolt Circle



3 Pc
●●● 4.6" Bolt Circle

5.0" Dia., Muti-HP, EZ-FIT Mounting System

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/4 - 1/6	1075	208-230	5441H	$144	5	1.5	3.0	4.6	8.5	10
1/4 - 1/8	1625	208-230	5442H	$165	5	1.5	3.0	4.6	8.5	9.15
1/8 - 1/12	1075	208-230	5440H	$142	5	.8	3.0	4.1	7.1	7.95

RESCUE® Motors Permanent Split Capacitor Condenser Fan 5.6" Diameter, Totally Enclosed Air Over (TEAO)

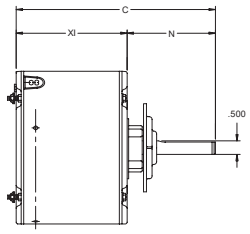


APPLICATIONS:

Commercial and Residential Condensing Units. Can replace a range of horsepower application and a variety of mounting styles.

FEATURES:

- High 158°F (70°C) Or 140°F (60°C) Ambient Designs
- Automatic Reset Thermal Overload Protector
- Designed For Use With 370V Capacitors
- Special Treated Rotor For Corrosion Protection
- Includes Lead End Mounting Holes For RHEEM® or TRANE® Units
- 48" Leads
- Extended Mounting Studs
- Ball Bearings
- Reversible Rotation
- High Efficiency Design
- Continuous Duty, Air Over
- Reversible Rotation
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data



RESCUE® Condenser Motors available in 158°F (70°C) ambient ratings! See below

HP	RPM	Voltage	Catalog Number	List	Max. Ambient	Speed Tap	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt.	Notes
1/3	825	208-230	5464	♦	140°F(60°C)	High	7.5	1.9	5	5.3	10.3	18	H43
1/4						High	7.5	1.5					
1/5						Low	7.5	1.2					
1/6						Low	7.5	1.0					
1/3	825	208-230	5464H	♦	158°F(70°C)	High	7.5	1.9	5	5.3	10.3	18	H43
1/4						High	7.5	1.5					
1/5						Low	7.5	1.2					
1/6						Low	7.5	1.0					
1/3	1075	208-230	5472	♦	140°F(60°C)	High	7.5	2.4	5	3.8	8.8	11	H43
1/4						High	7.5	2.4					
1/5						High	7.5	2.4					
1/6						High	7.5	2.4					
1/3	1075	208-230	5462	♦	140°F(60°C)	High	5	2.6	5	4.6	9.6	14	H43
1/4						High	5	2.5					
1/5						Low	5	2.0					
1/6						Low	5	1.8					
1/3	1075	208-230	5462H	♦	158°F(70°C)	High	5	2.6	5	4.6	9.6	14	H43
1/4						High	5	2.5					
1/5						Low	5	2.0					
1/6						Low	5	1.8					
1/2	1075	208-230	5465	♦	140°F(60°C)	High	10	3.0	5	5.3	10.3	15	H43
1/3						High	10	2.2					
1/4						Low	10	1.6					
1/5						Low	10	1.3					
1/2	1075	208-230	5465H	♦	158°F(70°C)	High	10	3	5	5.3	10.3	19	H43
1/3						High	10	2.2					
1/4						Low	10	1.6					
1/5						Low	10	1.3					
3/4	1075	208-230	5482H	♦	158°F(70°C)	High	15	4	5.5	6.3	11.8	21	H43
1/2						High	15	2.8					
1/3						Low	15	1.9					
1/4						Low	15	1.4					

460 Volt RESCUE® Condenser Fan Motors

HP	RPM	Voltage	Catalog Number	List	Max. Ambient	Speed Tap	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt.	Notes
1/2	1075	460	5480H	♦	158°F(70°C)	High	10	1.3	5.5	5.6	11.1	20	H43
1/3						High	10	0.9					
1/4						Low	10	0.7					
1/5						Low	10	0.5					
1/6						Low	10	0.5					
3/4	1075	460	5481H	♦	158°F(70°C)	High	15	2.2	5.5	6.3	11.8	25	H43
1/2						High	15	1.3					
1/3						Low	15	1.1					
1/4						Low	15	0.7					

♦ Refer to Motorboss for Pricing

Note H43: Side Shell & Lead End Mounting Screws Included In Carton

RESCUE® Motors Permanent Split Capacitor Direct Drive Fan & Blower, 5.6" Diameter, Open, Air Over

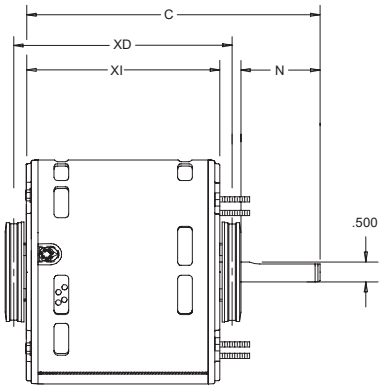


APPLICATIONS:

Commercial and Residential Air Handlers and Furnaces.
Can replace a range of horsepower applications and a variety of mounting styles.

FEATURES:

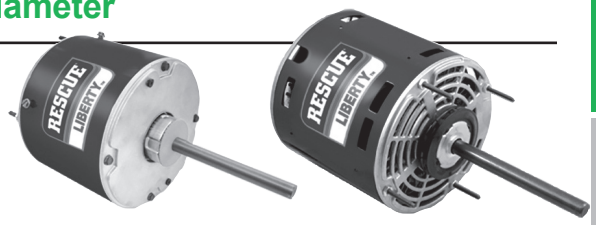
- Extended Mounting Studs
- Designed For Use With 370V Capacitors
- Class B Insulation
- 36" Leads
- High Efficiency Design®
- Includes Side Shell Holes For RHEEM®† Units
- Continuous Duty, Air Over
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- 2.5" Dia. Hub Rings Included



HP	Voltage	Catalog Number	RPM	Cool Speed Tap	Heat Speed Tap	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt.	Notes
1/3	208-230	5469	825	High	Med-Hi	SAB	7.5	2.4	4.5		5.3	9.8	18	H40
1/4				Med-Hi	Med-Lo		7.5	1.7						
1/8				Med-Lo	Low		7.5	0.9						
1/2	115	5460	1075	High	Med-Hi	SAB	10	7.3	5.0	5.8	5.3	10.8	16	H23, H40
1/3				High	Med-Hi		7.5	6.9						
1/4				Med-Hi	Med-Low		7.5	5.5						
1/5				Med-Low	Low		7.5	3.6						
1/6				Low	Low		7.5	2.8						
1/2	208-230	5461	1075	High	Med-Hi	SAB	10	3.6	5.0	5.8	5.3	10.3	17	H23, H40
1/3				High	Med-Hi		5	3.5						
1/4				Med-Hi	Med-Low		5	2.8						
1/5				Med-Low	Low		5	1.9						
1/6				Low	Low		5	1.3						
3/4	115	5470	1075	High	Med-Hi	Ball	20	8.1	5.0	6.6	6.1	11.6	20	H40
1/2				High	Med-Hi		10	6.6						
1/3				Med-Hi	Med-Low		10	4.6						
1/4				Med-Low	Low		10	3.8						
1/5				Med-Low	Low		10	3.1						
3/4	208-230	5471	1075	High	Med-Hi	Ball	20	4.1	5.0	6.6	6.1	11.6	20	H40
1/2				High	Med-Hi		10	3.7						
1/3				Med-Hi	Med-Low		10	2.5						
1/4				Med-Low	Low		10	1.8						
1/5				Med-Low	Low		10	1.7						

Note H23: For 1/3 To 1/6 HP, if more airflow is needed, a 7.5 MFD capacitor may be used.
Note H40: Screws for Shell Mounting Included in Carton

RESCUE® Liberty™ Permanent Split Capacitor, Condenser Fan and Direct Drive Blower, 5.6” Diameter

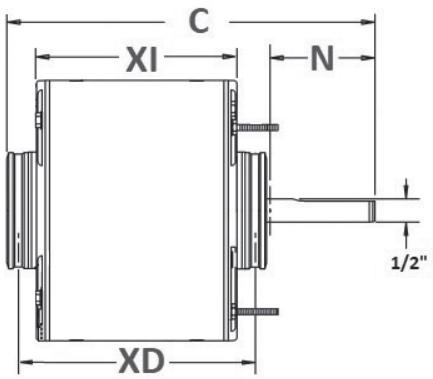


APPLICATIONS:

PSC motors Built in Princeton, Indiana for condensing unit and blower applications.

FEATURES:

- Built in Princeton, Indiana
- Multi-Horsepower
- High Ambient rated 70C for condenser motor
- Capacitor included for condenser motor
- All Position Mounting, Rheem† Side Shell Holes include Rheem† and Trane† Endshield Mounting Holes
- Two-year limited warranty from date of installation



RESCUE® Liberty™ Direct Drive Blower

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/2 - 1/6	1075/4	115	US5460	$254	10 - 7.5	7.3	5.0	5.3	10.3	16
1/2 - 1/6	1075/4	208-230	US5461	$258	10 - 5	3.6	4.5	5.3	10.8	16

RESCUE® Liberty™ Condenser Fan

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/3 - 1/6	825 / 2 SPD	208-230	US5464H	$297	7.5	1.9/1.2	4.5	5.3	10.3	18
1/3 - 1/6	1075 RPM	208-230	US5462H	$257	5	2.6/1.8	4.5	4.6	9.6	14

RESCUE® EZ-Wire™, Clear Pack, Permanent Split Capacitor, Condenser Fan and Direct Drive Blower, 5.6" Diameter



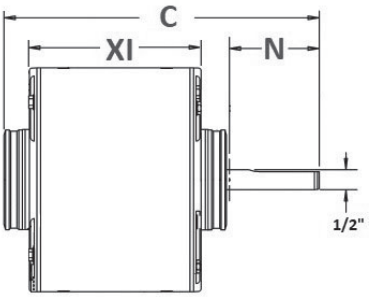


APPLICATIONS:

PSC motors with clear packaging for condensing unit and blower applications.

FEATURES:

- Clear Packaging
- Multi-Horsepower
- 80C high ambient rated for condenser motor
- U.S.A. made capacitors included
- All Position Mounting, Rheem† Side Shell Holes included



RESCUE® EZ-Wire™ Direct Drive Blower

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/2 - 1/6	1075 / 4 SPD	115	5432	$146	10	7.3	4.5	5.3	10.9	16.04
	1075 / 4 SPD	208-230	5433	$148	10	3.6	4.5	5.3	10.9	16.56

RESCUE® EZ-Wire™ Condenser Fan

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/3 - 1/6	1075 RPM	208-230	5430	$162	7.5	2.2	5.0	4.3	9.3	38
1/4 - 1/8	825 RPM	208-230	5431	$152	7.5	2.1	5.0	4.3	9.3	13.27

Draft Inducers

APPLICATIONS:

80+, 90+ natural gas furnaces and package units to induce a draft through the heat exchanger.

FEATURES:

- OEM Draft Inducer Replacements
- Single Phase
- PSC or Shaded pole design
- Thermally Protected
- Open Enclosure

ICP Replacement

HP	Catalog Number	List	Voltage	Type	Amps	RPM	Industry Number
1/35	N172	$183	115	Shaded Pole	1.5	3000	A134, A051, 7021-7700, 7021-8735, 7021-8736, 7021-9335, 7021-9499, 10705, FB-RFB833, 1708-607P, 1010238P, 1010324, R7-RFB134, 1013833, J238-1393, 3111
1/25	N169	$179	230	PSC	0.3	3000	A169, 7021-10048, 7021-10580, RFB571, 119254, 110008, 1085571P, 3114
1/25	N173	$472	115	PSC	0.92	3350	A173, R7-RFB350, 1011350, HQ1011350



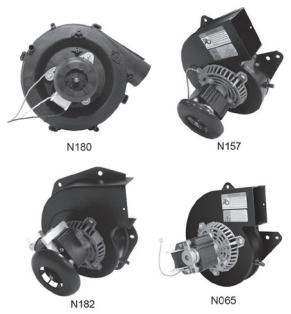
Lennox Replacement

HP	Catalog Number	List	Voltage	Type	Amps	RPM	Industry Number
1/60	N164	$169	120	Shaded Pole	1.4	2800	A164, RFB43, 7021-9242, 7021-9311, 10707, A068, 10K5301, 46K4101, 43K4101, 10K5101, 3120, RFB401, RFB840, 88K8401, J238-8171, 3120
1/30	N200	$129	115	Shaded Pole	1.2	3000	A200, 7002-2975, 31L5501, RFB495
1/10	N331	$240	460	PSC	0.33	3200	A331, 69M3201, 7062-4051, 7062-4518, 7062-5554, 97J8101



Goodman Replacement

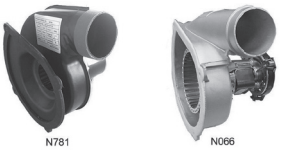
HP	Catalog Number	List	Voltage	Type	Amps	RPM	Industry Number
1/35	N065	$213	115	Shaded Pole	1.05	2860	A065, FB-RFB276, 0131M00002P, 119276-00SP
1/30	N157	$183	115	Shaded Pole	1.6	3000	A157, RFB185, 7002-2307, 10703, 3106, RFB859
1/30	N182	$239	115	Shaded Pole	1.5	3000	A182, 7002-3036, B4059000, 10702, J238-11195, J238-112-11195, RFB405, RFB590, 3105
1/25	N180	$200	115-120	Shaded Pole	2.25	3000	A180, 7021-11715, 0171M00000S, 7058-2108, 0171M00001, 7058-2690, 0171M00001S, FB-RFB501, 7058-2097, AIC501, 7058-2230, A456, 7058-2950, 66071



Draft Inducers

Rheem Replacement

HP	Catalog Number	List	Voltage	Type	Amps	RPM	Industry Number
1/50	N781	$281	115	PSC	0.6	3000	7021-11559, 70-1010187-81, 70-24157-03
1/30	N066	$277	120	Shaded Pole	1.6	3000	A066, A142, FB-RFB142, 7062-2513, 7062-2513, 7062-1881, 416673-00003, 3101, 117847-00


N781 N066

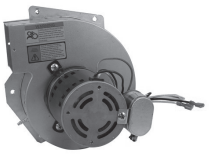
Beckett Replacement

HP	Catalog Number	List	Voltage	Type	Amps	RPM	Industry Number
1/8	N11969	$268	115	PSC	1.7	3450/2 SPD	11969, 70625423


N11969

Munters Replacement

HP	Catalog Number	List	Voltage	Type	Amps	RPM	Industry Number
1/15	N0110	$199	115	PSC	1	3200	PT0110, 70626112


N0110

Trane Replacement

HP	Catalog Number	List	Voltage	Type	Amps	RPM	Industry Number
1/30	N143	$198	120	Shaded Pole	1.3	3000	A143, A361, 10708, 4MH34, RFB143, 210330673, 7021-8428, 210340125, D330787P01, D330809P01, X38040305010, X38040305017, BLW473, RFB337, 787P01, J238-1344, 3124


N143

Shaded Pole Unit Bearing Fan Totally Enclosed

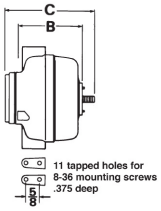


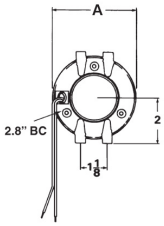
APPLICATIONS:

Designed for use on unit bearing fans.

FEATURES:

- Permanently lubricated bearings
- Individually boxed.
- Impedance protected
- Suitable For All Angle Operation
- 24" Cord with Molded Strain Relief
- Cast Iron Housing
- Includes vibration dampener hub washer, speed nut and four mounting screws (2 to 35 watt)





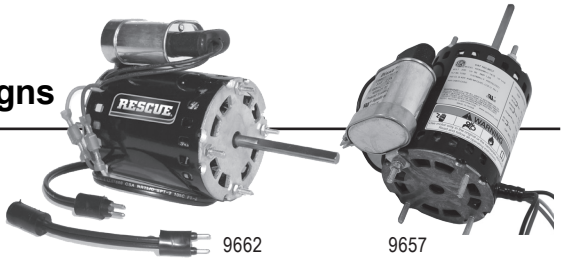
Clockwise Lead End Rotation

Watts	RPM	Voltage	Catalog Number	List	Amps	Rotation	Dia. A	Total B	Total C	Shaft Dia. x Length	Ship Wt. (lbs)	Industry Numbers
2.5	1550	115	2102	46	0.3	CWLE	3.6	3.4	3.8	1/4 x 20THD x 0.5	2	5111
4	1550	115	2115	49	0.3	CWLE	3.6	3.4	3.8	1/4 x 20THD x 0.5	3	5211
4	1550	230	2123	71	0.2	CWLE	3.6	3.4	3.8	1/4 x 20THD x 0.5	3	5221
5	1550	115	2119	67	0.6	CWLE	3.6	3.4	3.8	1/4 x 20THD x 0.5	2.53	PP7577M, D582
6	1550	115	2117	50	0.4	CWLE	3.6	3.8	4.3	1/4 x 20THD x 0.5	3.04	5311
9	1550	115	2108	51	0.6	CWLE	3.6	3.8	4.3	1/4 x 20THD x 0.5	3.1	5411
9	1550	230	2110	56	0.3	CWLE	3.6	3.8	4.3	1/4 x 20THD x 0.5	5	5421
16	1550	115	2112	71	1	CWLE	3.6	4.1	4.5	1/4 x 20THD x 0.5	3.9	5811
16	1550	230	2114	72	0.5	CWLE	3.6	4.1	4.5	1/4 x 20THD x 0.5	5	5821
25	1550	115	2125	158	1.1	CWLE	3.9	4	4.5	1/4 x 20THD x 0.5	5	ESPL25EM1
25	1550	230	2126	163	0.6	CWLE	3.9	4	4.5	1/4 x 20THD x 0.5	5	ESPL25EM2
35	1550	115	2129	158	1.4	CWLE	3.9	4	4.5	1/4 x 20THD x 0.5	4.58	ESPL35EM1
35	1550	230	2131	163	0.7	CWLE	3.9	4	4.5	1/4 x 20THD x 0.5	4.58	ESPL35EM2
50	1550	115	2133	176	1.7	CWLE	4	5.7	7.2	0.375 x 1.5	3	ESPOL50EM1
50	1550	230	2135	182	0.9	CWLE	4	7.7	9.2	0.375 x 1.5	6.28	ESPOL50EM2

Counterclockwise Lead End Rotation

Watts	RPM	Voltage	Catalog Number	List	Amps	Rotation	Dia. A	Total B	Total C	Shaft Dia. x Length	Ship Wt. (lbs)	Industry Numbers
4	1550	115	2103	49	0.3	CCWLE	3.6	3.4	3.8	1/4 x 20THD x 0.5	3	5212
4	1550	230	2122	50	0.2	CCWLE	3.6	3.4	3.8	1/4 x 20THD x 0.5	3	5222
5	1550	115	2120	67	0.6	CCWLE	3.6	3.4	3.8	1/4 x 20THD x 0.5	3	D583
6	1550	115	2116	50	0.4	CCWLE	3.6	3.8	4.3	1/4 x 20THD x 0.5	3	5312
9	1550	115	2118	51	0.6	CCWLE	3.6	3.8	4.3	1/4 x 20THD x 0.5	3.79	5412
9	1550	230	2109	56	0.3	CCWLE	3.6	3.8	4.3	1/4 x 20THD x 0.5	1.53	5422
16	1550	115	2111	71	1	CCWLE	3.6	4.1	4.5	1/4 x 20THD x 0.5	5	5812
16	1550	230	2113	72	0.5	CCWLE	3.6	4.1	4.5	1/4 x 20THD x 0.5	3.84	5822
25	1550	115	2124	158	1.1	CCWLE	3.9	4	4.5	1/4 x 20THD x 0.5	5	ESPL25EMR1
25	1550	230	2127	163	0.6	CCWLE	3.9	4	4.5	1/4 x 20THD x 0.5	2.2	ESPL25EMR2
35	1550	115	2128	158	1.4	CCWLE	3.9	4	4.5	1/4 x 20THD x 0.5	5	ESPL35EMR1
35	1550	230	2130	163	0.7	CCWLE	3.9	4	4.5	1/4 x 20THD x 0.5	5	ESPL35EMR2
50	1550	115	2132	182	1.7	CCWLE	4	4.7	6.2	0.375 x 1.5	6	ESPOL50EMR1
50	1550	230	2134	182	0.9	CCWLE	4	6.7	8.2	0.375 x 1.5	6.75	ESPOL50EMR2

Permanent Split Capacitor Direct Drive Fan
3.3" Diameter, Open and Totally Enclosed Designs



9662 9657

APPLICATIONS:

High efficiency PSC motors for refrigeration evaporator and general purpose.

FEATURES:

- Four 8-32 x 1/2" Stud Extensions At Each End
- Ball Bearings Have All Angle Thrust System
- Automatic Reset Thermal Overload Protector
- 9656 and 9662 feature dual plug cord for flexibility
- Dual Studs
- PSC Design with Capacitor Included
- 12" Leads

Open Air Over

HP	RPM	Voltage	Catalog Number	List	Enclosures	Rotation	Amps	Shell Length	Shaft Dia. x Length*	Ship Wt.	Notes
1/20	1550	115	9632	♦	OAO	Rev	0.85	3.3	5/16 x 2 .38	4	
1/12-1/20	1550	115/230	9664	♦	OAO	Rev	1.2-0.95/0.6-0.5	4.2	5/16 x 2 .50	5	
	1550	115/230	9721	♦	OAO	Rev	1.1/0.57	3.8	5/16 x 3.25	4	
1/10	1550	230	9657	♦	OAO	Rev	1.00	4.5	5/16 x 3 .75	6	

Totally Enclosed, Air Over

HP	RPM	Voltage	Catalog Number	List	Enclosures	Rotation	Amps	Shell Length	Shaft Dia. x Length*	Ship Wt.	Notes
1/50	1550	115	9641	♦	TEAO	Rev	0.5	3.06	1/4 x 2 .25	5	
1/50-1/70	1550	115	9624	♦	TEAO	Rev	0.43-0.37	3.06	1/4 x 2 .50	3	
1/30-1/40	1550	115	9628	♦	TEAO	Rev	0.6-0.55	3.25	5/16 x 2 .50	4	

OEM Direct Replacements

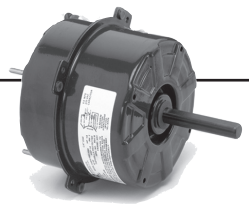
HP	RPM	Voltage	Catalog Number	List	Enclosures	Rotation	Amps	Shell Length	Shaft Dia. x Length*	Ship Wt.	Notes	OEM
1/20	1550	115	9662	♦	OAO	Rev	0.85	3.25	5/16 X 3.0	4	H30	BO
	1550	230	9648	♦	TEAO	Rev	0.36	3.25	5/16 x 2.26	4		FE
	1550	115/230	9654	♦	TEAO	CW	0.8/0.4	3.4	5/16 x 1 .63	4	H31	KR
1/15	1550	230	9656	♦	OAO	Rev	0 .48	3.77	5/16 x 3 .0	4	H30	BO

BO = Bohn FE = Fedders KR = Krack

♦ Refer to Motorboss for Pricing

Note H30: Includes Special Cord And Plug
Note H31: Includes Special Mounting Lugs, No Threaded Studs

Permanent Split Capacitor Condenser Fan 5.0” Diameter, Clam Shell, Totally Enclosed Air Over (TEAO)

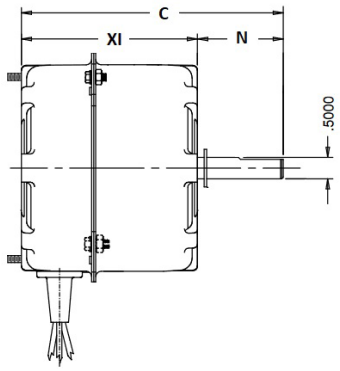


APPLICATIONS:

Residential condensing unit fan motor .

FEATURES:

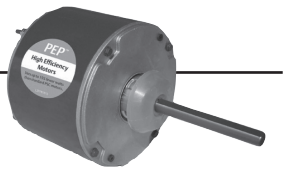
- 42” Leads
- Shaft Down Mount
- 4.312” dia. bolt circle
- Designed for use with 370V Capacitor
- 1/2” Dia. Shaft with Flat
- Reversible Rotation
- Automatic Thermal Overload Protector
- Continuous Duty



“Clam Shell” Single Speed, Stud Mount, Without Capacitor

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/10	1075	208-230	2243	$230	5	0.75	2.8	4.1	6.9	10
1/8	1075	208-230	2249	$237	5	0.9	2.8	4.1	6.9	10
1/5	1075	208-230	2246	$172	5	1.6	2.8	4.1	6.9	10
1/4	1075	208-230	2250	$173	7.5	1.7	2.8	4.1	6.9	10

PEP® High Efficiency Permanent Split Capacitor Condenser Fan, 5.6" Diameter, Totally Enclosed, Air Over (TEAO)

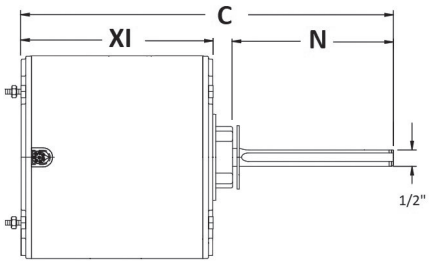


APPLICATIONS:

High efficiency PSC motors for use on residential and commercial condenser units.

FEATURES:

- 76% Efficiency Design
- 158°F (70°C) Ambient Design
- Ball Bearings Have All Angle Thrust System
- Class F Insulation
- Designed For Use With 370V Capacitors
- Ball Bearing
- 48" Leads
- Hubless Lead End
- Drain Holes Both Ends
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Continuous Duty



HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/6	1075 RPM	208-230 V	1859PEP	$189	5	0.9	4.0	4.6	9.6	10
1/4	1125 RPM	208-230 V	1860PEP	$199	5	1.4	4.0	4.5	9.6	12.66
1/4	1115 RPM	460 V	3736PEP	$366	7.5	0.7	4.0	4.5	9.6	11.02
1/3	1130 RPM	208-230 V	1861PEP	$211	7.5	1.7	3.8	5.0	10.1	15.32
1/3	1115 RPM	460 V	3737PEP	$416	7.5	1.0	4.0	5.0	10.1	15.32
1/2	1130 RPM	208-230 V	1862PEP	$234	10	2.5	4.0	5.6	10.6	18.02
1/2	1115 RPM	460 V	3738PEP	$434	10	1.4	4.0	5.0	10.6	17.78

MOJAVE® Permanent Split Capacitor, High Ambient Condenser Fan, 5.6” Diameter, Totally Enclosed, Air Over (TEAO)

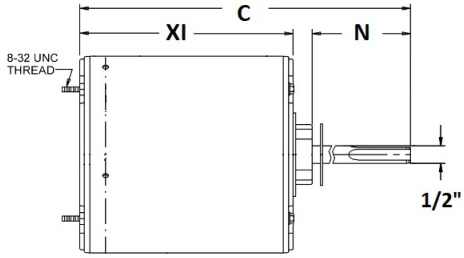


APPLICATIONS:

Residential and commercial condenser unit fan motors in extreme temperature locations .

FEATURES:

- 158°F (70°C) Ambient Design
- Ball Bearings Have All Angle Thrust System
- Class F Insulation
- Suitable for use with 370V Capacitors
- Extended Studs
- 48” Leads
- Hubless Lead End
- Drain Holes Both Ends
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Continuous Duty



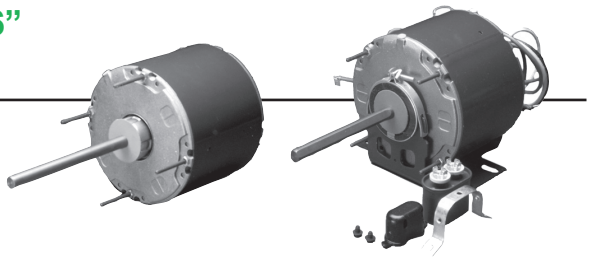
EZ-FIT®, Muti-HP, 70C Ambient Design, All Angle Mount

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/2 - 1/5	1075 RPM	208-230 V	3325H	216	15	2.37	4.5	5	10.8	16.6
1/3 - 1/5	825 RPM	208-230 V	1875H	196	7.5	1.71	6	5.3	11.6	18.4
1/3 - 1/6	1075 RPM	208-230 V	3323H	150	7.5	1.65	5	4.3	9.3	13.65
1/4 - 1/8	825 RPM	208-230 V	1874H	222	5	1.39	6	4.4	10.9	12

MOJAVE®, 70°C Ambient Design, All Angle Mount

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
1/8	825 RPM	208-230 V	1872H	216	5	0.45	6	4.3	10.6	13.7
1/6	825 RPM	208-230 V	1873H	172	5	0.93	6	4.3	10.6	13.52
1/6	1075 RPM	208-230 V	1859H	156	5	0.9	5	4	9.4	11.19
1/4	1075 RPM	208-230 V	1860H	153	5	1.44	6	4.1	10.6	12.5
1/4	1075 RPM	460 V	3736H	248	7.5	0.71	6	4.8	11.1	11
1/4	1075 RPM	575 V	1295H	338	7.5	0.65	5	4.4	9.8	11.44
1/3	1075 RPM	208-230 V	1861H	161	7.5	1.61	6	4.6	11.1	14
1/3	1075 RPM	460 V	3737H	282	7.5	1.48	6	5.6	11.9	15
1/3	1075 RPM	575 V	1278H	384	7.5	1.19	5	5.2	10.9	10
1/2	825 RPM	208-230 V	1870H	250	10	2.68	6	6.1	12.4	17
1/2	1075 RPM	208-230 V	1862H	180	10	2.64	6	5.3	11.9	18
1/2	1075 RPM	460 V	3738H	291	10	1.43	6	5.3	11.8	18
1/2	1075 RPM	575 V	1098H	250	10	0.77	5	5.9	11.4	19.7
3/4	1075 RPM	208-230 V	1868H	162	10	3.78	6	5.8	12.4	21
3/4	1075 RPM	460 V	3742H	327	10	1.88	6	6.6	12.9	22.96
3/4	1060 RPM	575 V	1099H	205	12.5	1.05	5	5.9	11.4	18.1

Permanent Split Capacitor Condenser Fan 5.6" Diameter, Open Drip Proof, Air Over

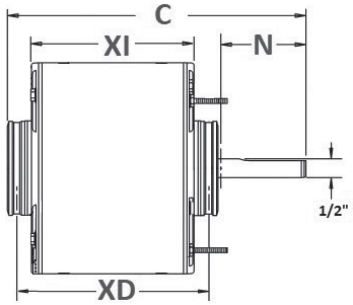


APPLICATIONS:

Designed to meet manufacturer's requirements for condenser cooling fans.

FEATURES:

- High Efficiency ECONOMIZER® Rated (except as noted)
- Capacitor Mounting Holes In Frame Band
- Designed for use with 370V Capacitors
- 140°F (60°C) Ambient Design
- Enclosed Endshield at Shaft End
- Extended Studs are 8-32 UNC Thread
- Class B Insulation
- Reversible Rotation (Unless otherwise noted)
- Automatic Reset Thermal Overload Protector
- Continuous Duty
- Bearings have All Angle Thrust System
- Green Ground Lead



Stud Mount, Shaft Up or Horizontal, Without Capacitor

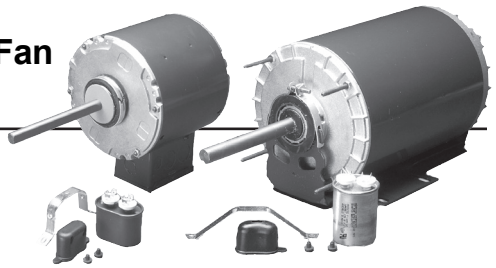
HP	RPM/ Spds.	Voltage	Catalog Number	List	Mounting	Amps	Motor Shaft Rotation	Shaft N	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/4	1110	208-230	8230	$171	STUD	1.6	REV	3.3		3.8	7.1	10.13	72;H42
	1075	208-230	3851	$141	HUB/STUD	1.7	REV	5.0	4.4	4.4	9.9	10	62
	825	230	8666	$327	STUD	1.9	REV	6.0		4.6	11.56	14.4	
1/3	1075	208-230	6880	$153	HUB/STUD	2.5-2.2	REV	5.0	4.9	4.3	10.4	12.2063	62
	1075	460	1060		BAND	1.3	CCWLE	3.5		5.0	8.6	15.7	
	825	208-230	7040	$327	HUB/STUD	2.7	REV	6.0	5.9	5.3	12.4	22.6	H55
	825	230	8667	$342	STUD	2.0	REV	6.0		5.1	11.1	18.29	
	825	230	5345	$361	HUB/STUD	3.0	REV	6.0	6.4	5.8	12.9	16.2383	H55
1/2	1075	208-230	3852	$164	HUB/STUD	3.1	REV	5.0	5.4	4.8	10.9	16.08	62
	825	208-230	7041	$484	HUB/STUD	2.8	REV	6.0	6.6	6.1	13.2	23.33	H55
3/4	1075	208-230	3097	$200	HUB/STUD	4.7	REV	5.0	6.6	5.6	11.7	20.16	
	1075	230	8665	$276	STUD	4.4	REV	6.0		5.3	12.4	19.5	
	1075	460	1061		BAND	3.0	CCWLE	4.52		6.5	11.1	24.33	
1	1100	460	1413	$648	STUD	3.12	REV	6.0		6.1	12.6	20.38	
	1075	208-230	1888	$484	HUB/STUD	5.2	REV	6.0	6.8	6.3	13.4	24.02	62

Resilient Base (3.0" Height), Shaft Up or Horizontal, With Capacitor

HP	RPM/Spds.	Voltage	Catalog Number	List	Amps	Motor Shaft Rotation	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/4	1100	208-230	4671	$270	1.3	REV	9.0	3.8	13.9	10.04	H54
	1075	230	3846	$347	1.9	REV	5.0	4.2	10.4	14.3	62
1/3	1625	230	4961	$486	1.8	REV	5.0	4.6	10.4	15.9	62
	1625	230	4811	$350	1.8	REV	5.0	4.6	10.7	15.8	
	1075	208-230	6986	$171	3.5	CWLE	4.0	4.6	9.6	14.8575	HC
	1075	230	4960	$399	2.2	REV	5.0	4.8	10.9	16.67	
	1075	230	3847	$364	2.2	REV	5.0	4.8	10.9	16.6	
1/2	1075	230	3848	$378	3.1	REV	5.0	5.9	12	13	
	1075	230	7025	$472	3.1	REV	4.9	6.0	11.9	20	

Note 62 - Not ECONOMIZER®
Note 72 - Includes 4 Holes in Shell for Rheem Mount
Note H42 - Shaft-end Ventilated, Lead-end Enclosed, Shaft-down Mounting Only
Note H54 - 3.5" Shaft Height
Note H55 - Hub Mount
Note HC - OEM to Heatcraft

Permanent Split Capacitor Commercial Condenser Fan Open Drip Proof & Totally Enclosed, Air Over



APPLICATIONS:

For use on condenser cooling fans in commercial air conditioning applications.

FEATURES:

- Capacitor and Outlet Box Included, unless noted
- Reversible Rotation
- Double-Sealed Ball Bearings
- Continuous Duty, Air Over
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data
- Automatic Reset Thermal Overload Protector
- 60°C Ambient
- Dual Voltage
- Class B Insulation
- **Discount Symbol: DS-3HAC**

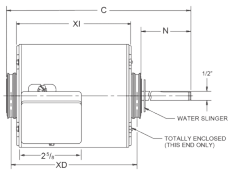


Figure A

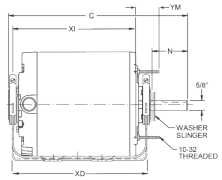


Figure B

5.6" Diameter, All Angle Mounting, Hub Ring Mount (2 1/4") (Fig. A)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Mounting	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt.	Notes	OEM
1/3	1075	208-230/460	6727*	♦	Hub	5	2.4/1.2	5	5.9	5.3	11.4	N/A	16		
1/2	1075	208-230/460	7475*	♦	Hub	10	2.8/1.4	5	6.4	5.8	11.9	N/A	21		
	1075	208-230/460	2201*	♦	Hub	10	3.2/1.6	5	7.4	6.8	12.8	N/A	19	67	
	1075	208-230	8868	♦	Stud	10	3.8	3.0	-	6.3	9.3	.63	25	98, H15, H44	
	1075	460/400 & 460	8869	♦	Stud	10	1.5	3.0	-	6.3	9.3	.63	18		
	1075/1	575	1177	♦	3 Lug	7.5	1.9	3.0	-	-	8.8	-	18.2	104	
3/4	1075	208-230/460	2202*	♦	Hub	12.5	4.8/2.3	5	8.4	7.8	13.8	N/A	23	66, 67	
	1075	208-230/460	6603	♦	Hub	7.5	5.0/2.5	5	6.9	6.3	12.4	N/A	23	66, H16	
	1075	208-230/460	5489	♦	Hub	7.5	5.0/2.5	5	6.9	6.3	12.3	N/A	19	65, 66, H15	
	1075	460	8233	♦	Band	15.0	2.3	3	6.6	6.0	10.2	N/A	26	65, 66, H15	AA
	1075/1	208-230/460	1254	♦	Band	15	4.6	3.5	-	-	9.8	-	23	98	QU
1	1125	208-230/460	1376	♦	Hub	25	6.1/3.1	5.0	-	6.3	11.3	N/A	24		
	1080	460	8055	♦	Band	15.0	2.5	5.0	-	6.6	11.6	N/A	22	H16, H29	LE
	1075/1	575	1173	♦	Band	25	2.2	6.0	-	-	13.0	-	26.5		

6.3" Diameter, All Angle Mounting, Hub or Stud Mount (4) (Fig. A with 5/8" shaft)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Mounting	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt.	Notes	OEM
1/2	825	208-230	3568	♦	Band	10.0	3.6	6.0	7.0	6.0	13.4	1.5	27	65, 66, H15	
3/4	1075	208-230	3566	♦	Stud	15.0	3.8	6.0	7.0	6.0	13.4	1.5	27	65, 66, H15	
	825	208-230	3567	♦	Stud	17.5	5.3	6.0	8.2	7.8	14.6	1.5	37	65, 66, H15	
1	1075	208-230	3565	♦	Stud	17.5	5.2	6.0	7.5	6.5	13.9	1.5	29	65, 66, H15	
	1075	208-230/460	2203*	♦	Hub	17.5	5.5-5.4/2.6	6.0	10.4	9.9	16.9	1.5	32	67	
	1075	208-230/460	8431	♦	Stud	12.5	5.8-5.4/2.7	6.0	10.3	9.8	16.4	1.8	32	65, 67	
1-1/2	1075	208-230/460	2204*	♦	Stud	20.0	8.5-7.6/3.8	6.0	10.9	10.4	17.3	1.5	42	67	

6.3" Diameter, Resilient Base (Fig. B)

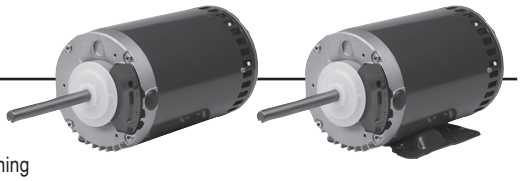
HP	RPM/ Spds.	Voltage	Catalog Number	List	Mounting	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt.	Notes	OEM
3/4	1075	208-230/460	2193^	♦	Resilient	30.0	4.8/2.5	4.1	8.25	7.75	13	--	32	H15, H16, 98	
1	1075	208-230/460	2686*	♦	Resilient	17.5	5.1/2.6	5.0	10.45	9.95	15.8	1.5	41	68	
1-1/2	1075	208-230/460	2896*	♦	Resilient	20.0	7.5/3.8	5.0	10.95	10.45	16.3	1.5	45	67, 68	

AA = Aaron LE = Lennox QU = Quantum Precision®†

Note 65: Ventilated (In wet applications, position vent holes at bottom of motor; use rain shield if used shaft up.)
Note 66: No Outlet Box. Includes Leads
Note 67: Capacitor not included, Internal Conduit Box
Note 68: Quick Change Voltage Receptacle, No Outlet Box
Note 98: 50/60 Hertz
Note 104: Conduit Box Included Lugs 7" B.C.

Note H15: Capacitor Not Included
Note H16: CCWLE Rotation Only
Note H29: Includes Rain Shield, Shaft-up Mounting
Note H44: Stud Mount
♦ Refer to Motorboss for Pricing
^ 440 Capacitor
* Totally Enclosed

Three Phase, Commercial Condenser Fan, 5.6" and 6.3" Diameter, Open Drip Proof, Air Over

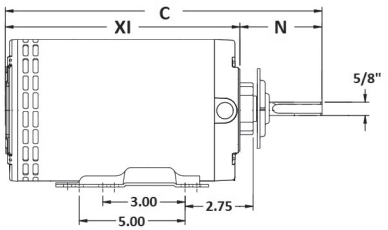


APPLICATIONS:

Designed to meet manufacturer's requirements for condenser cooling fans in commercial air conditioning applications where 3 phase power is required.

FEATURES:

- Open Drip Proof, Shaft-Up Design
- 60°C (140°F) Max Ambient
- Continuous Duty, Air Over
- Ball Bearings Have All Angle Thrust System
- Dual Voltage
- Class B Insulation
- Reversible Rotation
- Automatic Thermal Protector
- Keyway and Flat Shaft
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data



5.6" Diameter, Belly Band/Stud Mount

HP	RPM	Voltage	Catalog Number	List	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/6	1725	600	1102	$ 326	0.3	4.6	5.0	9.7	12.12	H45
1/6	1140	600	1138	$ 295	0.3	4.6	5.3	9.9	8.4	H45
1/4	1140	575	1137	$ 392	0.5	3.0	7.0	10.0	25.4	H45;IC
1/3	1400	460	2387	$ 724	1.0	2.0	8.4	10.4	16.55	H31;TE
1/3	1140	575	1267	$ 367	0.5	4.5	6.4	10.9	12.62	H45
1	1140	575	1158	$ 696	1.4	5.5	7.6	13.1	21	AA;H19;H29
1	1140	200 - 230/460	1326	$ 655	4.8/2.4	5.0	9.5	14.5	19	98;DB
1	1100	575	1266	$ 358	1.4	3.0	9.0	12.0	19.14	AA

6.3" Dia., Belly Band Mount

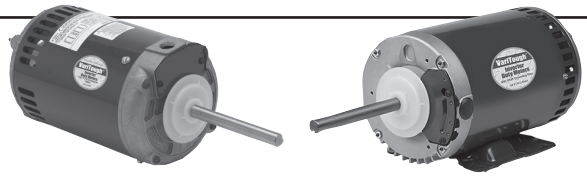
HP	RPM	Voltage	Catalog Number	List	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/2	1140	575	4940	$ 438	0.85	3.4	10.0	13.4	21	H45
1/2	575	208 - 230/460	1260	$ 675	3.2 - 3.1/1.6	3.6	10.8	14.4	21.35	-
3/4	1140	575	4958	$ 518	1.2	4.9	8.8	14.76	27	-
1	1140	575	4933	$ 518	1.6	6.0	10.2	16.2	30.4	-
1	1140	208 - 230/460	2171	$ 480	4.2/2.1	4.9	9.5	14.42	29.33	H45
1 1/2	1140	575	4934	$ 557	2.3	6.0	10.3	16.3	39	-
1 1/2	1140	200 - 230/460	2170	$ 554	4.2/2.1	6.7	10.9	17.7	36.5	H45
1 1/2	830	208 - 230/460	1219	$ 729	6.6-3.3	3.5	10.5	14.2	54	-
2	1140	575	1184	$ 775	2.8	6.0	10.8	16.8	40	-
2	1120	208 - 230/460	2169	$ 627	7.6-7.4/3.7	6.0	10.2	16.2	42.98	H45

6.3" Dia., Rigid Base Mount

HP	RPM	Voltage	Catalog Number	List	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/2	575	208 - 230/460	1139	$ 729	3.2-3.1/1.6	3.6	10.8	14.4	48	98;HC
3/4	1140	208 - 230/460	3913	$ 756	3.5/1.7	3.0	9.0	12.2	32	98
1	1140	575	4936	$ 577	1.5	3.2	11.3	14.508	23	H45
1 1/2	1725	230/460	1419	$ 604	5.0-4.8/2.4	2.5	10.3	12.89	33.72	98;CA
2	1140	575	1140	$ 816	2.8	6.0	10.8	16.762	44.2	-

Note 98 - 50/60 Hertz
Note AA - OEM to Aaon
Note DB - OEM to Dunham Bush
Note H19 - Conduit Box on Motor
Note H29 - Includes Rain Shield, Shaft-up Mounting
Note H31 - Includes Special Mounting Lugs, No Threaded Studs
Note H45 - Totally Enclosed, Air Over
Note IC - OEM to ICP
Note TE - OEM to Tecumseh

VariTough® Three Phase Inverter Duty Commercial Condenser Fan, 6.3” Diameter, Open Drip Proof, Air Over, with AEGIS® SGR Protection

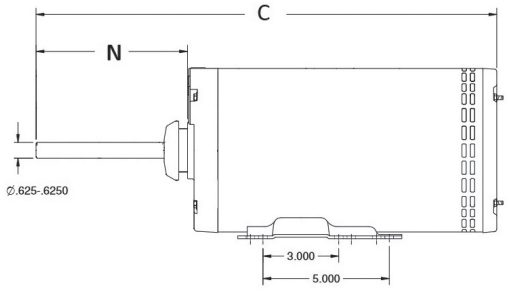


APPLICATIONS:

For use on condenser cooling fans in commercial air conditioning applications, where 3 phase power and variable frequency drives (VFD's) are required.

FEATURES:

- Inverter Duty
- Designed to NEMA MG1-Part 31
- Open Drip Proof, Shaft-Up Design
- 70°C (158°F) Max Ambient
- Continuous Duty, Air Over
- Double Sealed Ball Bearings
- AEGIS® Shaft Grounding Ring included and mounted
- Voltage Change Device
- Lock Bearing System OSE
- Class F Insulation
- Reversible Rotation
- Thermostat Temperature Protection
- Keyway and Flat Shaft
- 208v will not be marked on DOE regulated spread voltage motors. Refer to online data



Belly Band Mount with AEGIS® SGR Protection

HP	RPM	Voltage	Catalog Number	List	NEMA Frame	Amps	Shaft N	Total C	Ship Wt. (lbs)
1	1140	208-230/460	1818VG	$647	56YZ	4.3-4.3/2.1	6.0	15.8	32
	850	208-230/460	1828VG	$767	56YZ	5.0-5.0/2.5	6.0	16.8	32
	825	208-230/460	1830VG	$748	56YZ	5.2-5.2/2.6	3.3	13.6	43
1 1/2	1140	208-230/460	1819VG	$700	56YZ	5.3-5.3/2.6	6.0	16.3	43
	835	208-230/460	1832VG	$885	56HZ	6.6-6.2/3.1	3.5	15.8	63
2	1140	208-230/460	8987VG	$752	56YZ	7.8-7.8/3.9	6.0	16.8	48

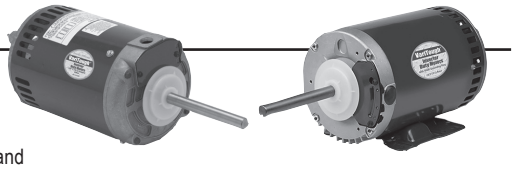
Rigid Base Mount with AEGIS® SGR Protection

HP	RPM	Voltage	Catalog Number	List	NEMA Frame	Amps	Shaft N	Total C	Ship Wt. (lbs)
1/2	575	230/460	1139VG	$783	42Y	3.1/1.6	3.6	14.4	44
	575	480	1297VG	$945	56HZ	1.9	4.3	15	49.6
1	1140	208-230/460	1820VG	$658	56YZ	4.3-4.3/2.1	6.0	15.8	38
	850	208-230/460	1833VG	$828	56YZ	5.0-5.0/2.5	6.0	16.8	42
1 1/2	1140	208-230/460	1821VG	$712	56YZ	5.3-5.3/2.6	6.0	16.3	44
	835	208-230/460	1831VG	$900	56HZ	6.6-6.2/3.1	3.5	15.8	63
2	1140	208-230/460	1822VG	$765	56YZ	7.8-7.8/3.9	6.0	16.8	48

Removable Base with AEGIS® SGR Protection

HP	RPM	Voltage	Catalog Number	List	NEMA Frame	Amps	Shaft N	Total C	Ship Wt. (lbs)
1	1140	208-230/460	1804VG	$727	56YZ	4.3-4.3/2.1	6.0	16.8	32
	850	208-230/460	1803VG	$863	56YZ	5.0-5.0/2.5	6.0	16.8	32
	825	208-230/460	1802VG	$807	56YZ	5.2-5.2/2.6	6.0	16.3	43
1 1/2	1140	208-230/460	1806VG	$786	56YZ	5.3-5.3/2.6	6.0	16.3	43
	850	208-230/460	1805VG	$969	56Z	6.8-6.6/3.3	6.0	16.8	44.1
2	1140	208-230/460	1807VG	$845	56YZ	7.8-7.8/3.9	6.0	16.8	48

VariTough® Three Phase, Inverter Duty, Commercial Condenser Fan, 6.3" Diameter, Open Drip Proof, Air Over

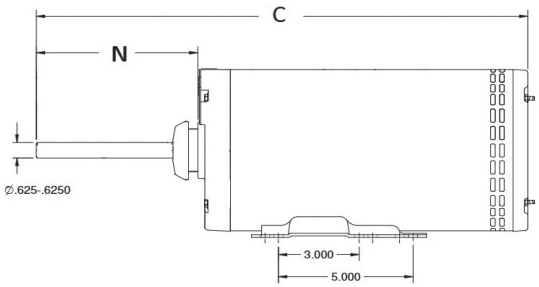


APPLICATIONS:

For use on condenser cooling fans in commercial air conditioning applications, where 3 phase power and variable frequency drives (VFD's) are required.

FEATURES:

- Inverter Duty
- Designed to NEMA MG1-Part 31
- Open Drip Proof, Shaft-Up Design
- 70°C (158°F) Max Ambient
- Continuous Duty, Air Over
- Double Sealed Ball Bearings
- Add KIT21 for Shaft Grounding Ring
- Voltage Change Device
- Lock Bearing System OSE
- Class F Insulation
- Reversible Rotation
- Thermostat Temperature Protection
- Keyway and Flat Shaft
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data



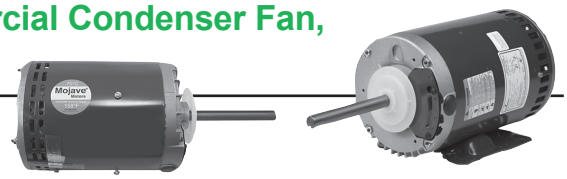
Belly Band Mount

HP	RPM	Voltage	Catalog Number	List	NEMA Frame	Amps	Shaft N	Total C	Ship Wt. (lbs)
1	1140	208-230/460 V	1818V	445	56YZ	4.3-4.3/2.1	6.0	15.8	32
1	850	208-230/460 V	1828V	534	56YZ	5.0-5.0/2.5	6.0	16.8	32
1	825	208-230/460 V	1830V	518	56YZ	5.2-5.2/2.6	3.3	13.6	42.25
1 1/2	1140	208-230/460 V	1819V	580	56YZ	5.3-5.3/2.6	6.0	16.3	42.97
1 1/2	835	208-230/460 V	1832V	545	56HZ	6.6-6.2/3.1	3.5	15.8	63
2	1140	208-230/460 V	8987V	858	56YZ	7.8-7.8/3.9	6.0	16.8	47.19

Rigid Base Mount

HP	RPM	Voltage	Catalog Number	List	NEMA Frame	Amps	Shaft N	Total C	Ship Wt. (lbs)
1	1140	208-230/460 V	1820V	530	56YZ	4.3-4.3/2.1	6.0	15.8	32
1	850	208-230/460 V	1833V	469	56YZ	5.0-5.0/2.5	6.0	16.8	39.6
1 1/2	1140	208-230/460 V	1821V	600	56YZ	5.3-5.3/2.6	6.0	16.3	43.5
1 1/2	835	208-230/460 V	1831V	660	56HZ	6.6-6.2/3.1	3.5	15.7	63
2	1140	208-230/460 V	1822V	655	56YZ	7.8-7.8/3.9	6.0	16.8	48

MOJAVE® Three Phase, High Ambient Commercial Condenser Fan, 6.3” Diameter, Open Drip Proof, Air Over

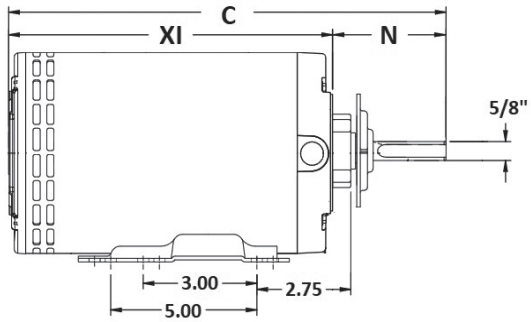


APPLICATIONS:

Designed to meet manufacturer's requirements for condenser cooling fans in commercial air conditioning applications where 3 phase power is required.

FEATURES:

- Open Drip Proof, Shaft-Up Design
- 70°C (158°F) Max Ambient
- Continuous Duty, Air Over
- Ball Bearings Have All Angle Thrust System
- Voltage Change Device
- Class F Insulation
- Reversible Rotation
- Automatic Thermal Protector
- Keyway and Flat Shaft
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data



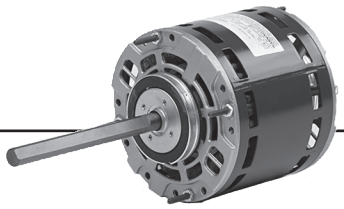
Belly Band Mount

HP	RPM	Voltage	Catalog Number	List	Frame	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
3/4	1140	208-230/460	1817H	$526	56Z	2.8/1.4	6.0	9.3	15.3	31.5
1	1140	208-230/460	1818H	$555	56Z	4.2/2.1	6.0	8.8	14.8	27.34
	850	208-230/460	1828H	$732	56Z	4.8/2.4	6.0	10.8	16.8	40.02
	850	575	1829H	$940	56Z	2.1	6.0	10.8	16.8	40.46
1 1/2	1140	208-230/460	1819H	$612	56Z	5.4/2.7	6.0	9.8	15.8	35
	850	208-230/460	1832H	$804	56Z	6.8-6.6/3.3	6.0	10.8	16.8	44.1
2	1140	208-230/460	8987H	$665	56Z	7.6-7.4/3.7	6.0	10.8	16.8	45

Rigid Base Mount

HP	RPM	Voltage	Catalog Number	List	Frame	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)
3/4	1140	208-230/460	1826H	$549	56Z	2.8/1.4	6.0	9.3	15.3	31.5
1	1140	208-230/460	1820H	$555	56Z	4.2/2.1	6.0	8.8	14.8	27
	850	208-230/460	1833H	$754	56Z	4.8/2.4	6.0	10.8	16.8	31.5
	850	575	1834H	$754	56H	1.7	6.0	10.8	16.8	31.5
1 1/2	1140	208-230/460	1821H	$619	56Z	5.4/2.7	6.0	9.8	15.8	35
	850	208-230/460	1831H	$783	56	6.8-6.6/3.3	6.0	10.8	16.8	45
2	1140	208-230/460	1822H	$675	56Z	7.6-7.4/.3.7	6.0	10.8	16.8	45

Permanent Split Capacitor Direct Drive Fan Single Shaft 5.0" Diameter, Open Air Over

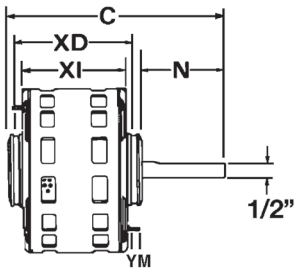


APPLICATIONS:

Designed to meet manufacturer's requirements for direct drive fan and blowers.

FEATURES:

- Reversible Unless Noted
- Sleeve Bearings have All Angle Thrust System
- Suitable for Use With 370V Capacitors
- Continuous Duty, Air Over
- 24" Line Leads Unless Otherwise Noted
- Automatic Reset Thermal Overload Protector
- Connection & Capacitor Information Furnished in Nameplate Data
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data
- **Discount Symbol: DS-3HAC**



Permanent Split Capacitor, 5.0" Diameter, Stud or Hub Ring Mount (2.5")

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt.	Notes
1/5	1075/3	203-230	8952	♦	SAB	5 .0	1 .6	4 .0	5 .3	4 .9	9 .9	N/A	11	
	1075/4	115	1268	♦	SAB	4 .0	3 .4	3 .5	4 .6	4 .1	8 .7	1	10	98
1/4	1050/3	115	1390	♦	SAB	7 .5	2 .8	4 .0	4 .9	4 .3	8 .9	1	12	H24
	1050/3	208-230	1391	♦	SAB	7 .5	1 .5	4 .0	4 .9	4 .3	8 .9	1	12	H24
1/3	1075/3	115	8955	♦	SAB	15 .0	3 .8	4 .0	5 .1	-	10 .2	.75	8	

♦ Refer to Motorboss for Pricing

Note 98: 50/60 Hz

Note H24: Hub Rings not included

Permanent Split Capacitor Packaged Terminal A/C – Heat Pump Open Air Over

APPLICATIONS:

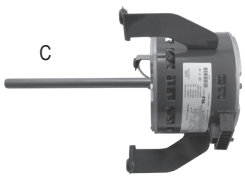
Designed to meet manufacturer's requirements for use in package terminal air conditioners or heat pump units.

FEATURES:

- Bearings Have All Angle Thrust System
- Suitable for Use With 370V Capacitors
- Continuous Duty, Air Over
- Automatic Reset Thermal Overload Protector
- **Discount Symbol: DS-3HAC**

A 

B 

C 

D 

Single Shaft, Direct Drive Blower - 5.0" Diameter

HP	RPM / Spds.	Voltage	Catalog Number	List	Cap MFD	Amps	Shaft Length	Total Length	Mount	Fig.	Rotation	Ship Wt.	Notes	OEM
1/15	1040/3	115	1377	♦	7.5	1.3	6.5	10.6	Flex	C	CCWLE	8		
	1075/3	265	1961	♦	4 .0	0.60	7.0	10.8	Flex	C	CCWLE	8		
1/30	1100/3	115	1374	♦	5.0	0.50	8.5	13.6	Resilient	D	CWLE	9	64	TR
	1100/3	115-127	4125	♦	4.0	0.53	8.0	13.2	Resilient	D	CCWLE	8	64	IE
	1600/3	115-127	1269	♦	3.0	0.51	6.5	11.4	Resilient	D	CCWLE	7		IE
	1100/3	115	1218	♦	7.5	0.73	7.0	10.8	Flex	C	CCWLE	7		IE
	1100/3	277	1259	♦	3.0	0.32	7.0	10.8	Flex	C	CCWLE	5		IE
1/20	1100/3	115	1258	♦	7.5	1.10	7.0	10.8	Flex	C	CCWLE	5		IE
	1100/3	115	1676	♦	5.0	0.55	8.9	13.1	Resilient	D	CWLE	10	64	TR
	1075/3	208-230	1378	♦	5.0	0.55	6.5	10.6	Flex	C	CCWLE	12		IE
	1075/3	277	4137	♦	4.0	0.55	6.5	9.9	3 Lugs	A	CCWLE	10		IE
	1100/3	277	1264	♦	3.0	0.42	7.0	10.8	Flex	C	CCWLE	7		IE
1/16	850/3	277	1678	♦	4.0	0.50	2.3	6.3	3 Lugs	B	CWLE	23	64	TR
1/15	1075/3	265	1365	♦	4.0	0.60	7.0	10.8	Flex	C	CCWLE	8		IE
1/12	1375/3	115-127	1211	♦	6.0/7.5	1.35	6.5	11.4	Resilient	D	CCWLE	7	64	IE
1/5	925/3	208-240	4129	♦	6.0	1.90	7.0	11.6	Flex	C	CCWLE	8	98	IE
1/4	970/3	115	4130	♦	12 .5	6 .00	7 .0	11 .8	Flex	C	CCWLE	8		IE

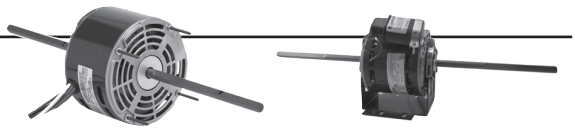
TR = Trane IE = IEC

♦ Refer to Motorboss for Pricing

U.S. MOTORS® Catalog Number	OEM Number	Industry Number	U.S. MOTORS® Catalog Number	OEM Number	Industry Number
1211	70556336	------	1678	X70500269-01/MOT2852	5KSP29DK1507S
1218	705563-01	------	1961	705563-09	SKCP29DK6018S
1258	705563-02		1962	700215-48	5KCP29MK6109S
1259	70556307	5KCP29BK6016AS	4125	700216-92	5KCP29BK5875S
1264	70556308	5KCP29FK6017S	4129	700215-42	SKCP29KK4878AS
1269	70556329	------	4130	700215-21	SKCP29MK6102S
1374	7/MOT1878	5KSP29DK1507S	4136	705563-14	5KCP29FK6023S
1676	X70500149-02	5KSP29DK1507S	4137	700215-45	SKCP29FK9775

Note 64: Capacitor Included
Note 98: 60/50 Hz

Permanent Split Capacitor, Direct Drive Fan, Double Shaft 5.6" Diameter, Open Drip-Proof

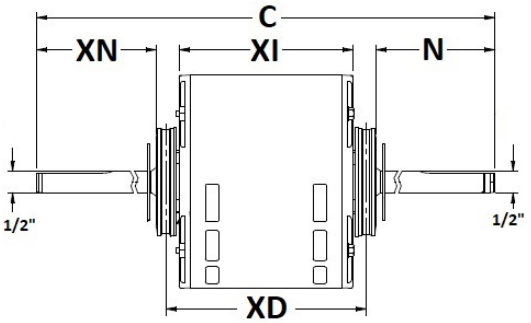


APPLICATIONS:

Design to meet manufacturer's requirements for blowers utilizing a double-shaft motor.

FEATURES:

- Open Drip Proof, Air Over, Except Where Noted
- Automatic Reset Thermal Overload Protector
- Bearings Have All Angle Thrust System
- Continuous Duty, Air Over
- Connection & Capacitor Information Furnished in Name-plate Data
- Designed for Use with 370V Capacitors
- Mounting Holes in Shell for Mounting Capacitor
- When Supplied, Capacitor and Mounting Hardware are Supplied Detached



Stud or Hub Mount

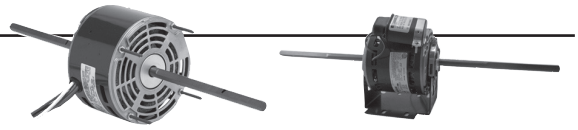
HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shaft XN	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/8	1075 / 3 SPD	115	1186	$350	5	2.1	6.0	6.0	-	3.8	15.8	18.1	H45
	1075 / 3 SPD	208-230	1187	$356	5	0.9	6.0	6.0	-	3.8	15.8	18.1	H45
1/5	1075 / 3 SPD	230	1152	$365	5	1.4	5.1	4.5	-	3.8	13.4	12.5	CI,H31,TR
1/4	1625 / 3 SPD	230	8725	$354	6	1.6	7.0	7.0	-	4.1	18.06	11.7653	-
	1075 / 3 SPD	230	3134	$256	5	2.0	8.0	8.0	-	4.5	20.1	14.4	-
1/3	1625 / 3 SPD	230	8726	$366	7.5	1.9	7.0	7.0	-	4.3	18.3	15.6	-
	1075 / 3 SPD	230	3135	$196	5	2.5	8.0	8.0	-	4.5	21.1	15.56	-
1/2	1075 / 3 SPD	230	3136	$214	5	4.5	8.0	8.0	-	5.4	21.9	20	-
3/4	1075 / 3 SPD	208-230	1894	$326	7.5	5.0	7.2	7.7	6.1	5.5	20.6	17.9	CI

Resilient Base, Capacitor Included

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shaft XN	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/8	775 / 3 SPD	115	1416	$207	5	1.65	11.6	10.8	5.0	4.6	28	17.2	-
1/6	775 / 3 SPD	115	1415	$220	7.5	1.43	11.6	10.8	5.0	4.5	28	13.44	-
	1075 / 3 SPD	115	1240	$253	5	2.9	7.0	7.0	4.6	4.1	18.6	18.1	-
1/4	1625 / 2 SPD	115	1242	$287	3	3.6	7.0	7.0	4.4	3.9	18.9	20.2	-
	1625 / 2 SPD	230	1243	$295	3	1.8	7.0	7.0	4.9	4.4	18.9	19.45	-
	1075 / 2 SPD	115	1244	$270	5	4.4	7.0	7.0	5.0	4.9	19.4	18.1	-
1/3	1100 / 3 SPD	230	5108	$279	5	2.3	4.2	4.6	5.0	4.3	14.2	20	H45,TR
	1075 / 3 SPD	230	1247	$303	5	2.5	9.2	9.2	5.6	5.1	24	18.1	-

Note CI - Capacitor Included Mounted
Note H31 - Includes Special Mounting Lugs, No Threaded Studs
Note H45 - Totally Enclosed, Air Over
Note TR - OEM to Trane

Permanent Split Capacitor, Direct Drive Fan, Double Shaft 5.6” Diameter, Open Drip-Proof

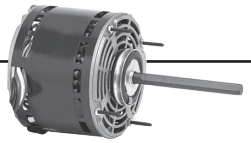


Hub Ring Mount with adjustable length adapter, without Capacitor

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shaft XN	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/8	1075 / 3 SPD	115	NAL1006	$264	5	2.2	8.7	9.2	4.0	3.5	22	8.55	-
	1075 / 3 SPD	208-230	NA1006	$270	5	0.9	8.5	9.1	4.3	3.8	22	9.38	-
1/6	1075 / 3 SPD	115	NAL1016	$258	5	2.8	8.5	9.1	4.3	3.8	22	9.8	-
	1075 / 3 SPD	208-230	NA1016	$199	5	1	8.5	9.1	4.3	3.8	22	9.16	-
1/4	1625 / 3 SPD	115	NAL1024	$339	5	4.1	8.5	8.7	4.8	4.3	22	12.76	-
	1625 / 3 SPD	208-230	NA1024	$345	5	2.1	9	8.6	4.8	4.3	22	11.47	-
	1075 / 3 SPD	115	NAL1026	$288	5	4.3	8.4	8.7	4.8	4.3	22	10.91	-
	1075 / 3 SPD	208-230	NA1026	$249	5	1.9	8.4	8.9	4.6	4.1	22	10.78	-
1/3	1625 / 3 SPD	115	NAL1034	$374	5	5.70	8.5	8.4	5.1	4.6	22	12.74	-
	1625 / 3 SPD	208-230	NA1034	$357	5	2.8	9	8.4	5.1	4.6	22	12.98	-
	1625 / 3 SPD	230	1887	$366	5	2.2	8	8	4.8	4.3	20.8	16	64
	1075 / 3 SPD	115	NAL1036	$295	5	7.15	7.7	9	5.3	4.8	22	14.94	-
	1075 / 3 SPD	208-230	NA1036	$266	5	2.6	8.1	9	5.3	4.8	22	13.72	-
	1075 / 3 SPD	230	1213	$272	5	2.5	8	8	4.8	4.3	20.8	17.2	64
1/2	1625 / 3 SPD	115	NAL1054	$410	5	6.04	8.1	8.5	5.8	5.3	22	17.96	-
	1625 / 3 SPD	208-230	NA1054	$395	5	4.3	8.1	8.5	5.8	5.3	22	16.86	-
	1075 / 3 SPD	115	NAL1056	$361	10	7.3	8.1	8	5.8	5.3	22	16.29	-
	1075 / 3 SPD	208-230	NA1056	$310	7.5	3.37	8.1	8.5	5.8	5.3	22	16.12	-
	1075 / 3 SPD	230	1824	$318	5	4.5	9	9	N/A	5.4	24	20	64
3/4	1625 / 3 SPD	208-230	NA1074	$458	7.5	4.04	8.2	8.1	6	5.5	22	18.01	-
	1075 / 3 SPD	115	NAL1076	$457	15	8.2	8.1	8.2	6	5.5	22	17.39	-
	1075 / 3 SPD	208-230	NA1076	$446	7.5	4.8	8.3	8.3	5.8	5.3	22	17.39	-

Note 64 - Capacitor Supplied Detached

Permanent Split Capacitor, Direct Drive Fan & Blower, 5.6" Diameter, Open Air Over

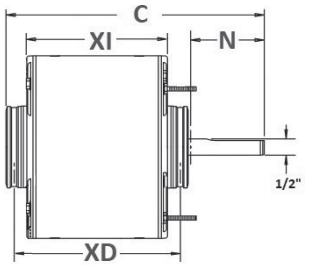


APPLICATIONS:

Designed to meet manufacturer's requirements for use on direct drive fans and blowers.

FEATURES:

- Stud Extensions on Popular Models
- Designed for use with 370V Capacitors
- Class B Insulation
- Continuous Duty, Air Over
- Bearings Have All Angle Thrust System
- Reversible Rotation
- For Belly Band Mounts, see HVAC Motor Accessories page
- Automatic Reset Thermal Overload Protector
- Connection & Capacitor Information Furnished in Name-plate Data
- All Angle Mount
- 2.5" Dia. Hub Rings Included



Multi-Horsepower

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/2 - 1/6	1075 / 4 SPD	115	3314	$171	10	7.3-2.8	5.0	5.9	5.3	10.8	13.5	H40
	1075 / 4 SPD	208-230	3315	$176	10	3.6	5.0	5.9	5.3	12.2	13.5	H40
3/4 - 1/5	1075 / 4 SPD	115	3312	$208	20	8.1-3.1	5.0	6.6	6.1	12.2	16.6	H40
	1075 / 4 SPD	208-230	3313	$216	20	3.8	5.0	6.6	6.1	12.2	16.6	H40

Two Speed

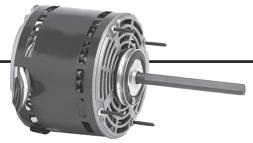
HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/4	1075 / 2 SPD	115	3197	$166	5	3.9	5.0	5.4	4.9	10.4	12.1	-
1/3	1075 / 2 SPD	460	8945	$638	5	1.3	6.0	5.3	4.8	11.9	18.1	64
1/2	825 / 2 SPD	208-230	3183	$438	10	3.9	4.0	6.1	5.6	10.7	20.9	64,TR
3/4	1075 / 2 SPD	460	8947	$681	20	2.2	6.0	6.1	5.6	12.6	18.1	64

Three Speed

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/4	1625 / 3 SPD	115	1690	$289	10	2.7	6.0	4.6	4.1	11.1	12.79	-
	1075 / 3 SPD	115	1863	$152	7.5	3.5	5.0	5.4	4.9	10.4	11.01	-
	1075 / 3 SPD	208-230	1971	$154	7.5	1.5	5.0	4.9	4.4	10.4	10	-
	1075 / 3 SPD	277	600	$319	4	2.0	5.0	5.2	4.6	11.7	7.92	69
1/3	1625 / 3 SPD	115	1692	$297	15	3.7	6.0	4.8	4.3	11.4	11.4	-
	1625 / 3 SPD	208-230	1693	$227	5	2.1-1.4	4.5	5.1	4.6	10.7	15.2	-
	1075 / 3 SPD	115	1864	$156	7.5	5.0	5.0	5.6	5.1	10.7	12	-
	1075 / 3 SPD	208-230	1972	$160	7.5	1.9	5.0	5.6	5.1	10.7	10.86	-
	1075 / 3 SPD	277	601	$295	4	2.2	6.0	5.5	5	11.9	16.16	69
1/2	1625 / 3 SPD	115	1694	$318	20	5.5	5.0	5.9	5.3	11.4	15.59	-
	1625 / 3 SPD	208-230	1695	$324	7.5	3.1-3.0	5.0	5.9	5.3	11.4	22.6	-

Note 64 - Capacitor Supplied Detached
Note 69 - No Stud Extension
Note H40 - Screws For Shell Mounting Included In Carton
Note TR - OEM to Trane

Permanent Split Capacitor, Direct Drive Fan & Blower, 5.6” Diameter, Open Air Over



Three Speed

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/2	1075 / 3 SPD	115	1865	$188	10	6.5	5.0	5.9	5.4	11.4	15	-
	1075 / 3 SPD	115	1323	$189	15	5.0	3.5	-	4.8	8.3	11.67	H40,RH
	1075 / 3 SPD	208-230	1973	$195	10	2.9	5.0	6.2	5.7	11.7	17	-
	1075 / 3 SPD	277	602	$404	6	3.4	6.0	5.7	5.2	12.1	17.31	69
3/4	1625 / 3 SPD	115	1696	$338	15	8.6	6.0	5.9	5.4	12.4	19.2255	-
	1625 / 3 SPD	208-230	1697	$345	10	4.4-4.2	6.0	5.9	5.4	12.4	17.96	-
	1075 / 3 SPD	115	8904	$215	15	9.5	5.0	6.4	5.9	11.4	16	-
	1075 / 3 SPD	208-230	8905	$216	15	4.0	5.0	6.6	6.1	11.6	18	-
	1075 / 3 SPD	277	5847	$403	15	4.1	6.0	6.7	6.2	13.2	19.78	69
1	1625 / 3 SPD	115	1699	$358	25	11.1	6.0	6.4	5.9	12.9	21.9555	-
	1625 / 3 SPD	208-230	1700	$376	20	5.1	6.0	5.8	5.3	12.4	19.7	-
	1100 / 3 SPD	460	2553	$542	25	3.3	3.5	-	6.8	10.3	21.82	H11,YK
	1075 / 3 SPD	115	8906	$298	20	12.1	5.0	6.6	6.1	12.2	21.86	-
	1075 / 3 SPD	208-230	8907	$301	20	5.6	5.0	6.6	6.1	12.2	21.86	-

Stud or Hub Ring Mount, Four Speed

HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/6	1075 / 4 SPD	115	5825	$189	4	2.2	6.0	4.6	4.1	11.1	12	-
	1075 / 4 SPD	208-230	5826	$191	5	1.1	6.0	4.6	4.1	11.1	9.912	-
1/4	1075 / 4 SPD	115	5830	$191	5	3.8	6.0	4.9	4.4	11.4	15.2	-
	1075 / 4 SPD	208-230	5831	$196	5	1.8-1.7	6.0	4.9	4.4	11.4	12.642	-
1/3	1075 / 4 SPD	115	5835	$215	7.5	4.6	6.0	5.4	4.9	11.9	19.6	-
	1075 / 4 SPD	208-230	5836	$216	6	2.3-2.2	6.0	5.1	4.6	11.6	13.06	-
1/2	1075 / 4 SPD	115	5840	$231	7.5	7.1	6.0	5.8	5.3	12.4	19.68	-
	1075 / 4 SPD	208-230	5841	$248	7.5	3.3-3.1	5.8	5.6	5.1	12.7	20.4	-
3/4	900 / 4 SPD	115	1125	$391	10	11.9	4.0	-	6.6	10.6	24.1	H11,H16,IC
	1075 / 4 SPD	115	5845	$307	15	10.6	6.0	6.1	5.6	12.6	22.4	-
	1075 / 4 SPD	115	6452	$299	15	11.2	5.0	-	5.8	10.8	22.12	69,H11,H16
	1075 / 4 SPD	115	5463	$368	15	10.6	5.0	-	5.8	10.8	20.1	H40,RH
	1075 / 4 SPD	208-230	5846	$323	10	6.1-5.8	6.0	6.1	5.6	12.6	23	-

Note 69 - No Stud Extension
Note H11 - Band Mount
Note H16 - CCWLE rotation only
Note H40 - Screws For Shell Mounting Included In Carton
Note IC - OEM to ICP
Note RH - OEM to Rheem
Note YK - OEM to York

Permanent Split Capacitor Flex Mount
Direct Drive Fan & Blower 5.0" & 5.6" Diameter, Open Air Over

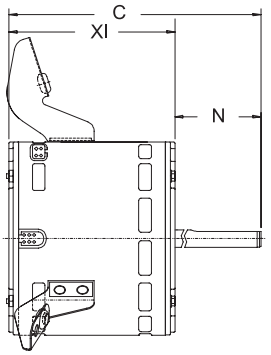


APPLICATIONS:

Designed to meet manufacturer's requirements for use on direct drive fans and blowers.

FEATURES:

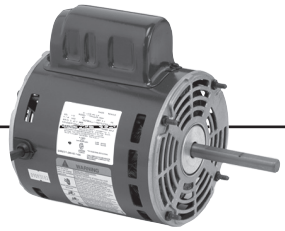
- Reversible Rotation
- Class B Insulation
- Bearings Have All Angle Thrust System
- Continuous Duty, Air Over
- Designed For Use With 370V Capacitors
- 36" Line Leads Unless Otherwise Noted
- Automatic Reset Thermal Overload Protector
- Connection & Capacitor Information Furnished in Nameplate Data



HP	RPM/Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/8	850 / 3 SPD	115	1949	$192	7.5	2.64	4.0	4.5	8.6	10.24	
	1075 / 2 SPD	115-127	1129	$194	4	2.4	4.0	4.1	8.1	10.5368	
1/4	1075 / 3 SPD	115	3783	$277	5	3.8	5.0	4.3	9.3	15.2	
	1075 / 3 SPD	208-230	3784	$295	5	1.7	5.0	4.3	9.3	15.68	
1/3	1075 / 3 SPD	115	3785	$289	7.5	5.0	5.0	4.6	9.6	15.43	
	1075 / 3 SPD	208-230	3786	$312	5	2.4	5.0	4.3	9.3	16.67	
	1000 / 4 SPD	115	9377	$300	5	6.0	5.3	4.6	9.8	22.73	H48,IC
1/2	1075 / 3 SPD	115	3787	$331	10	7.4	5.0	5.6	10.7	20.22	
	1075 / 3 SPD	208-230	3788	$350	7.5	3.3	5.0	5.3	10.3	25	

Note H48 Terminal block
Note IC OEM to ICP

Permanent Split Capacitor Ventilation Direct Drive Blower 5.0" & 5.6" Diameter, Open Air Over

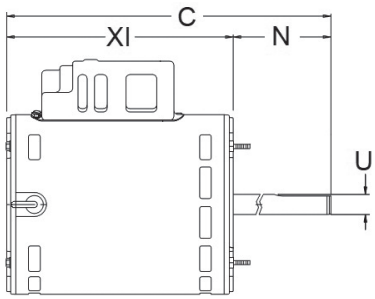


APPLICATIONS:

Designed to meet manufacturer's requirements for direct drive ventilation units.

FEATURES:

- Capacitor Included And Mounted
- Automatic Reset Thermal Overload Protector
- Ball Bearings Have All Angle Thrust System
- Continuous Duty, Air Over
- Reversible Unless Noted
- 40°C Ambient Rated
- 1 .0 Service Factor

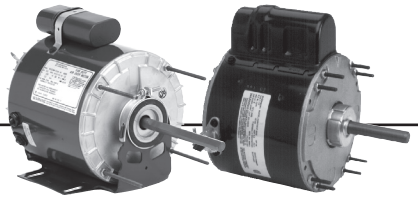


HP	RPM	Voltage	Catalog Number	List	Amps	Rotation	Shaft N	Shaft U	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/8	1600	115	1357	$195	1.7	REV	3.0	0.5	4.1	7.1	7.5	H19,LC
1/6	1650	115	4742	$165	2.7	CWLE	3.25	0.5	5.81	9.06	13.18	H5
	1100	115	1146	$230	2.2	REV	3	0.5	3.81	7.36	12.84	H19
1/4	1015	115	4153	$303	4.5	CWLE	1.5	0.5	7.5	10.0	20.3228	35,MQ
1/3	1650	115	4745	$226	4.0	REV	3.25	0.5	6.06	9.31	14.12	
	1100	115	4746	$238	4.4	CWLE	3.3	0.625	5.8	9.1	17.65	
	1075	115	1145	$250	4.9	REV	3	0.5	4.81	7.81	17.72	H19
1/2	1650	115/230	4748	$283	8.0/4.0	REV	3.25	0.625	6.31	9.56	21.51	H19
	1100	115/230	4749	$295	6.2/3.1	CWLE	3.3	0.625	6.6	9.8	22.22	H19
3/4	1100	115/230	4750	$318	10.0/5.0	CWLE	3.3	0.625	6.6	9.9	23.78	H19

Note 35 Resilient Base
Note H5 5.0" Diameter
Note H19 Conduit Box on Motor

Note LC OEM to Loren Cook
Note MQ OEM to McQuay

Permanent Split Capacitor Unit Heater Fan 5.6" & 6.3" Diameter, Totally Enclosed Air Over



APPLICATIONS:

Designed to meet manufacturer's requirements for use on unit heaters.

FEATURES:

- Continuous Duty, Air Over
- Reversible Motors Are Easily Reversed With Quick Connects
- 2-1/2" Diameter Hub Rings When Furnished
- Automatic Reset Thermal Overload Protector
- Green Ground Lead
- 48 Frame Has 8-32 NF-2A Thread; 56 Frame Has 10-32 NF-2A Thread
- 370V Capacitor Is Furnished
- Leads Are SJO Cord
- Extended Mounting Studs
- **Discount Symbol: DS-3HAC**

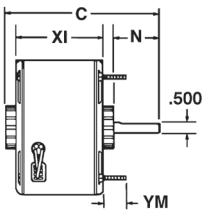


Figure A

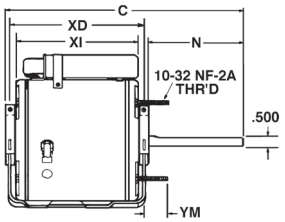


Figure B

Stud Mount, Single Speed (Fig. A)

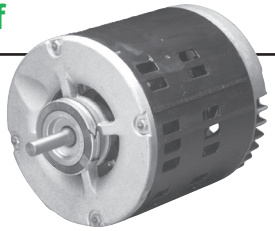
HP	RPM/ Spd.	Voltage	Catalog Number	List	Diameter (In.)	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt.	Notes
1/6	1075	115	9034	♦	5 .6	4 .0	2 .6	4.5	5 .4	4 .6	9 .6	0 .8	11	
1/4	1075	115	9035	♦	5 .6	5 .0	3 .6	4.5	5 .4	4 .6	9 .6	0 .8	16	
1/3	1075	115	9036	♦	5 .6	4 .0	5 .1	4.5	5 .4	4 .6	9 .6	0 .8	15	

Resilient Base (Fig. B)

HP	RPM/ Spd.	Voltage	Catalog Number	List	Diameter (In.)	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt.	Notes
1/6	1625	115	1385	♦	5.5	7.5	2.5	3.3	6.6	5.8	9.7	-	11.5	
	1075	115	1386	♦	5.5	7.5	2.6	3.3	6.6	5.8	9.7	-	12.3	
1/4	1075	115	1384	♦	5.5	5.0	3.6	3.3	6.6	5.8	9.7	-	15	
	1725	115	6326	♦	6.5	-	5.0	2.0	7.4	7.9	9.9	1.1	18	
1/3	1075	115	1388	♦	5.5	5.0	5.3	3.3	6.6	5.8	9.7	-	16.4	
1/2	1075/2	230	1810	♦	6.3	10.0	2.5	.9	7.5	6.3	12.8	2.5	27	

♦ Refer to Motorboss for Pricing

Split Phase Evaporative Cooler 6.3" Diameter, Open Drip Proof

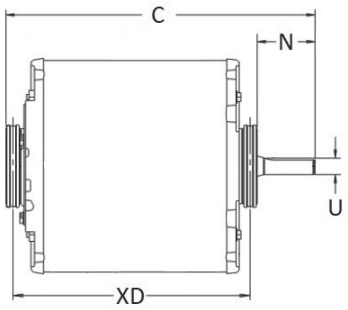


APPLICATIONS:

Designed to meet manufacturer's requirements for belt driven evaporative cooling units.

FEATURES:

- Ball Bearings
- Class B Insulation
- CW Rotation Shaft End
- Corrosion Resistant Rotor Core and Actuator Assembly
- Industry Standard Hub To Hub Dimension
- Automatic Reset Thermal Overload Protector
- For Resilient Base Mount, order KIT51



Single Speed

HP	RPM/Spds.	Voltage	Catalog Number	List	Amps	Shaft N	Shaft U	Base XD	Total C	Ship Wt. (lbs)	Notes
1/2	1725 RPM	115	6768	$210	8.2	1.6	0.5	7.4	9.4	20	
	1725 RPM	230	6766	$270	4.8	1.6	0.5	7.4	9.4	19.8	
3/4	1725 RPM	115	6769	$250	10.7	1.6	0.5	7.4	9.4	17	F
	1725 RPM	230	6771	$326	5.4	1.6	0.5	7.4	9.4	19.9	
1	1725 RPM	115/230	5149	$496	15.1/7.5	1.9	0.625	9.6	11.8	22.6	35;60;H39
2	1725 RPM	115/230	7073	$580	19.0/8.5	2.3	0.875	11.1	13.6	46.35	35;CSCR;H39

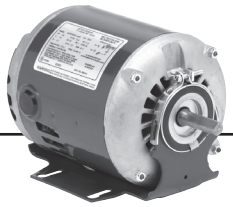
Two Speed

HP	RPM/Spds.	Voltage	Catalog Number	List	Amps	Shaft N	Shaft U	Base XD	Total C	Ship Wt. (lbs)	Notes
1/3	1725 / 1140 RPM	115	6767	$216	5.5/3.9	1.6	0.5	7.4	9.4	13.74	77,F
1/2	1725 / 1140 RPM	115	6765	$226	7.5/4.0	1.6	0.5	7.4	9.4	16	77
	1725 / 1140 RPM	230	6795	$283	4.5	1.6	0.5	7.4	9.4	18.1	77,F
3/4	1725 / 1140 RPM	115	6770	$312	10.2/4.7	1.6	0.5	7.4	9.4	19.23	77,F
	1725 / 1140 RPM	230	6796	$362	5.0/2.2	1.6	0.5	7.4	9.4	19.8	77,F
1	1725 / 1140 RPM	115	2574	$486	12.4/6.1	1.9	0.625	9.6	11.8	35.25	35,60,H39
	1725 / 1140 RPM	230	2423	$485	7.0/3.7	1.9	0.625	9.6	11.8	30	35,60,H39

Note 35 Resilient Base
Note 60 Capacitor Start
Note 77 5/8" Shaft Adapter And Key Packed With Motor

Note CSCR Capacitor Start /Capacitor Run
Note F Class F Insulation
Note H39 Reversible rotation by easy reconnection

Split Phase Belted Fan and Blower Open Drip Proof, NEMA®† 48 Frame, Single and Two Speed

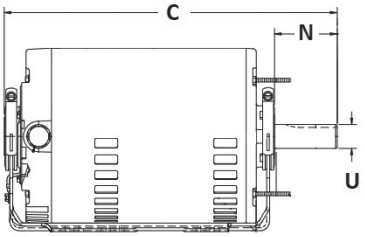


APPLICATIONS:

Designed to meet manufacturer's requirements for belted fans and blowers.

FEATURES:

- Resilient Base
- Class B Insulation Unless Otherwise Noted
- With Threaded Conduit Hole
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Continuous Duty, Air Over
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data



Single Speed

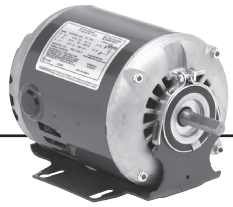
HP	RPM	Voltage	Catalog Number	List	Amps	SF	Shaft N	Shaft U	Total C	Ship Wt. (lbs)	Notes
1/6	1725	115/208 - 230	3615	$180	3.6/1.7-1.8	1.35	1.50	0.50	8.4	14.5	-
1/4	1725	115	840CV	$173	5.3	1.35	1.50	0.50	8.9	14	77,80,81
	1725	115	8000	$172	5.3	1.35	1.50	0.50	8.9	12.3	77
	1725	115/208 - 230	PD6002	$204	5.2/2.5-2.6	1.35	2.25	0.50	10.2	22	77
	1725	115/208 - 230	3618	$184	5.2/2.5-2.6	1.35	1.875	0.50	9.8	18.17	77
1/3	1725	115	841CV	$180	6.4	1.35	1.50	0.50	9.9	15.33	77,80,81
	1725	115	8100	$179	6.4	1.35	1.50	0.50	9.4	14.78	77
	1725	115/208 - 230	PD6004	$241	6.6/3.1-3.3	1.35	2.25	0.50	10.7	17.4982	77
1/2	1725	115	1542C	$227	8.0	1.25	1.6	0.50	9.9	18.33	77,80,81
	1725	115	8200	$214	8.0	1.25	1.50	0.50	10.0	18.2	77
	1725	115/208 - 230	PD6006	$296	8.6/4.2-4.3	1.25	2.25	0.50	10.7	22.47	77,98

Two Speed

HP	RPM	Voltage	Catalog Number	List	Amps	SF	Shaft N	Shaft U	Total C	Ship Wt. (lbs)	Notes
1/3	1725 / 1140	230	1789	$546	2.9	1.35	1.56	0.50	10.43	20.8	79,A

Note 77: 5/8" Shaft Adapter And Key Packed With Motor
Note 80: Canadian Standard — Connected CCWLE (Reversible)
Note 81: Canadian Standard — May Be Used With Single Pole Single Throw Switch, Not Stocked For US Distribution
Note 98: 50/60 Hertz
Note A: Class A Insulation

Split Phase Belted Fan & Blower
Open Drip Proof, NEMA®† 56 Frame, Single & Two Speed

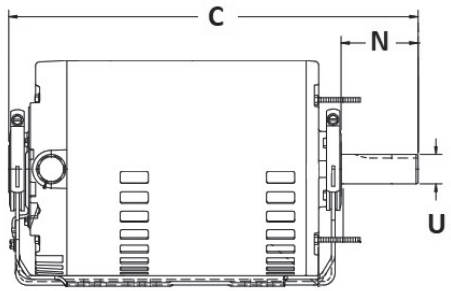


APPLICATIONS:

Designed to meet manufacturer's requirements for belted fans and blowers.

FEATURES:

- Resilient Base
- Class B Insulation Unless Otherwise Noted
- With Threaded Conduit Hole
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Continuous Duty, Air Over
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data



Single Speed

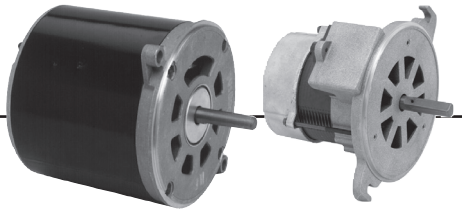
HP	RPM	Voltage	Catalog Number	List	Amps	SF	Shaft N	Shaft U	Total C	Ship Wt. (lbs)	Notes
1/2	1725 RPM	115/230	4114	$497	8.0/4.0	1.25	1 .9	0.625	9.8	22.89	
3/4	1725 RPM	115/230	4115	$523	11.2/5.6	1.25	1 .9	0.625	9.8	24.7	

Two Speed

HP	RPM	Voltage	Catalog Number	List	Amps	SF	Shaft N	Shaft U	Total C	Ship Wt. (lbs)	Notes
1/3	1725 / 1140 RPM	115	5793C	$480	6.4/4.0	1	1.5	0.5	10.4	20.59	80
	1725 / 1140 RPM	115	1364	$526	6.1/3.5	1.35	1.875	0.625	10.38	19.57	25
1/2	1725 / 1140 RPM	115	5794C	$547	8.7/5.1	1	1.50	0.50	10.4	26.78	80
	1140 / 1725 RPM	115	4293	$557	9.2/6.0	1.25	1.9	0.625	10.8	25.88	
3/4	1725 / 1140 RPM	115	5795C	$630	11.5/6.4	1	1 .9	0.625	11.3	26.9	80

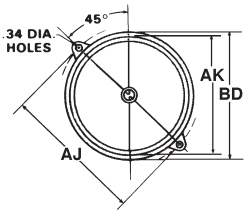
Note 25 Non-protected
Note 80 Canadian Standard — Connected CCWLE (Reversible)

Split Phase and Capacitor Start Oil Burner Totally Enclosed When Mounted



APPLICATIONS:

Designed to meet manufacturer's requirements for oil burners.



FEATURES:

- 40°C Ambient
- 20" Leads, Located At 3 O'clock Viewed From End Opposite Shaft
- 1.0 Service Factor
- Reversible Rotation, Except As Noted
- Manual Reset Thermal Overload Protector
- 56N Frame Has 2 Holes And Screws For Mounting Outlet Box
- 56N Flange Is Enclosed, 48M And 48N Flange Are Ventilated
- Bearings Have All Angle Thrust System

NEMA Frame	Bolt Circle AJ	Flange Dia. AK	Outside Dia. BD
48M	6 .75"	5 .500"	6 .25" max
48N, 56N	7 .25"	6 .275"	7 .00" max

OEM Direct Replacements: Beckett®†, Carlin®†, Ducane®†, Wayne Home®†, (CWLE)

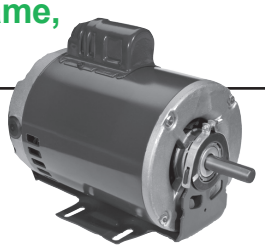
HP	RPM	Voltage	Catalog Number	Bearings	NEMA Frame	Amps	Shaft N	Shaft U	Protector	Total C	Ship Wt.	Notes
1/7	3450	115	3274	Ball	48M	1.7	2.0	0.500	Auto	6.7	10	84, 86, H46, F
	3450	115	5866	Ball	48M	2 .3	2 .0	.500	Man	7 .2	11	78, 84

Flange Mounted, Totally Enclosed, Non-Ventilated When Mounted, Without Base

HP	RPM	Voltage	Catalog Number	Bearings	NEMA Frame	Amps	Shaft N	Shaft U	Protector	Total C	Ship Wt.	Notes
1/8	3450	115	2097	Ball	48N	2 .4	2 .0	.500	Man	7 .1	11	78
	1725	115	3196	Ball	48N	2 .4	2 .0	.500	Man	7 .6	14	85, A
1/7	3450	115	3083	Ball	48M	2 .6	2 .0	.500	Man	7 .3	11	F
1/6	1725	115	3252	Ball	48N	3 .1	2 .0	.500	Man	7 .6	15	78
1/4	3450	115	2302	Ball	48N	3 .7	2 .0	.500	Man	8 .3	15	78
1/3	3450	115	2319	Ball	48N	4 .8	2 .0	.500	Man	10 .5	18	78
	1725	115	3580	Ball	56N	4 .8	2 .3	.500	Man	10 .5	25	77, 78

Note 77: 5/8" Shaft Adapter And Key Packed With Motor
Note 78: Class B Insulation System
Note 84: Non-Reversible
Note 85: Removable Face Plate
Note 86: PSC Motor, Capacitor Included
Note H46: 3.7" Body
Note A: Class A Insulation
Note F: Class F Insulation

Capacitor Start Belted Fan & Blower NEMA®† 48 Frame and 56 Frame, Open Drip Proof, Resilient Base

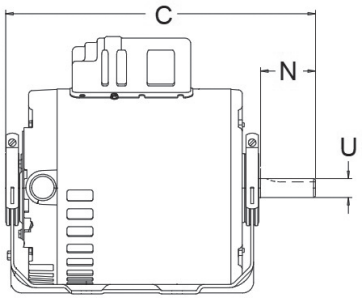


APPLICATIONS:

Designed to meet manufacturer's requirements for belted fans and blowers.

FEATURES:

- 104°F (40°C) Ambient Rated
- Automatic Reset Thermal Overload Protector
- Reversible Rotation
- Continuous Duty
- Ball Bearings Have All Angle Thrust System
- Dual Voltage
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data



NEMA®† 48 Frame

HP	RPM	Voltage	Catalog Number	List	Amps	SF	Shaft N	Shaft U	Total C	Ship Wt. (lbs)	Notes
1/3	1725 RPM	115/230	180	$339	6.0/3.0	1.35	1.5	0.5	9.9	18	
1/2	3450 RPM	115/208 - 230	298	$404	8.6/4.3	1.25	1.5	0.5	9.9	19	
3/4	3450 RPM	115/208 - 230	430	$427	9.2/4.6	1.25	1.5	0.5	10.4	18.68	
1	3450 RPM	115/208 - 230	431	$465	11.6/5.8	1.25	1.9	0.625	11.3	13.4	

NEMA®† 56 Frame

HP	RPM	Voltage	Catalog Number	List	Amps	SF	Shaft N	Shaft U	Total C	Ship Wt. (lbs)	Notes
1/4	1140 RPM	115/208 - 230	BD14CA3J9	$305	6.4/3.0-3.2	1.35	1.9	0.625	11.31	32	
1/2	1725 RPM	100 - 120/200 - 240	6309	$477	6.3-5.6/3.1-2.8	1.25	1.9	0.625	10.8	22	98,CSCR,H8
	1725 RPM	115/208 - 230	1790	$428	9.2/4.6	1.25	1.9	0.625	9.3	22.8	
3/4	1725 RPM	100 - 120/200 - 240	6313	$545	9.2-8.4/4.6-4.2	1.25	1.9	0.625	11.28	32	98,CSCR
	1725 RPM	115/208 - 230	1893	$526	11.4/5.7	1.25	1.9	0.625	10.8	26.43	
1	1725 RPM	115/230	3187C	$563	14.0/7.0	1.25	1.9	0.625	11.8	22.6	80
	1725 RPM	100 - 120/200 - 240	6317	$674	12.3-10.8/6.2-5.4	1.15	1.9	0.625	12.3	32	98,CSCR
	1725 RPM	115/208 - 230	1769	$643	14.0/7.0	1.2	1.9	0.625	11.8	34.4	
1 1/2	3450 RPM	115/208 - 230	299	$627	17.2/9.0	1.15	1.9	0.625	13.3	32	98
	1725 RPM	115/208 - 230	4242	$694	22.4/11.2	1.15	1.9	0.625	12.8	40.2	
2	3450 RPM	115/208 - 230	399	$438	18.4/10.1-9.2	1.2	1.9	0.625	12.8	32	CSCR

Note 80 Canadian Standard — Connected CCWLE (Reversible)
Note 98 50/60 Hertz

Note CSCR Capacitor Start /Capacitor Run
Note H8 5.6" Diameter

Three Phase Commercial Belt-Drive Blower Motor
Open Drip-Proof, Air Over Not Required

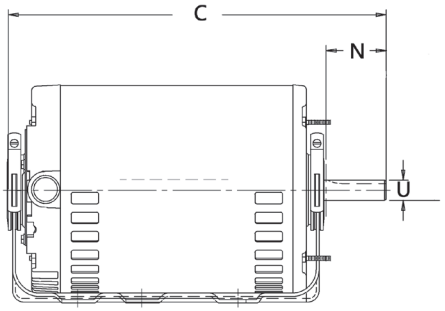


APPLICATIONS:

Designed to meet manufacturer's requirements for belt-drive blowers in commercial air conditioning applications where 3 phase power is required.

FEATURES:

- Automatic Reset Thermal Overload Protector
- Reversible Rotation
- Continuous Duty
- Double Contact Sealed Ball Bearings
- Dual Voltage
- Class B Insulation
- 104°F (40°C) Ambient



Rigid Base Mount

HP	RPM	Voltage	Catalog Number	Bearings	NEMA Frame	Amps	Shaft N	Shaft U	SF	Total C	Ship Wt.	Notes	OEM
1	1725	200-230/460	481468	Ball	56	3.4-3.4/1.7	1.9	.625	1.15	11.3	24	25	
	1725	208-230/460	1813	Ball	56	3.4/1.7	1.9	.625	1.15	11.9	24	VC	
1-1/2	1725	208-230/460	1814	Ball	56H	5.0/2.5	1.9	.625	1.15	12.4	27	VC, H12	
	1725	200-230/460	7913	Ball	56HZ	5.0/2.5	2.3	.875	1.15	12.4	39	H12	LE
	1725/1	575	1197	Ball	56HZ	2.0	2.3	-	-	13.3	36	H12	
2	1725	208-230/460	1815	Ball	56H	6.6/3.3	1.9	.625	1.15	12.4	29	VC, H12	
	1725	200-230/460	7914	Ball	56HZ	7.6-7.8/3.9	2.3	.875	1.15	12.4	45	H12	LE
	1725	208-230/460	8461	Ball	145T	6.3-6.2/3.1	2.3	.875	1.00	12.5	37	H18, H45, 25	
3	1725	200-230/460	7915V	Ball	56HZ	9.0-9.2/4.6	2.3	.875	1.15	13.3	45	H12	LE
	1725	575	1089	Ball	56	3.44	2.25	.875	1.15	13.2	32		
5	1760	208-230/460	D5PA2A	Ball	184T	13.8-12.6/6.3	2.9	1.125	1.15	15	68		LE
7.5	1760	208-230/460	D7PA2A	Ball	213T	20.5-18.5/9.2	3.5	1.375	1.15	15.96	90		LE



Resilient Mount

HP	RPM	Voltage	Catalog Number	Bearings	NEMA Frame	Amps	Shaft N	Shaft U	SF	Total C	Ship Wt.	Notes	OEM
1/2	1725	208-230/460	8488	Ball	56	2.0-1.9/0.95	1.9	.625	1.25	10.3	20		
3/4	1725	208-230/460	8489	Ball	56	2.9-2.9/1.5	1.9	.625	1.25	10.8	22		
1	1725	208-230/460	8498	Ball	56H	4.3/2.2	1.9	.625	1.25	11.3	26	H12	
1-1/2	1725	208-230/460	8490	Ball	56H	5.2-5.1/2.6	1.9	.625	1.15	12.8	32	H12	
	1725	208-230/460	8491	Ball	145T	5.0-4.6/2.4	2.3	.875	1.15	13.2	40		
2	1725	208-230/460	8493	Ball	56H	6.1-6.3/3.1	1.9	.625	1.15	12.8	41	H12	

Note 25: No Protector
Note H12: Base Has Holes For 56 & 56H
Note H18: Conduit Box
Note H45: Totally Enclosed, Air Over
Note VC: Quick Voltage Change Device
~ 50 Hz

HVAC Motor Accessories

APPLICATIONS:

Provide maximum flexibility in applying standard replacement motors to various applications.

Shaft Conversion Kit

Catalog Number	List	Description
KIT1	$29	Each set includes Qty. 1 shaft adapter and Qty. 1 key (converts 1/2" shaft to 5/8" shaft), 10 sets per kit



Hub Ring Kit

Catalog Number	List	Description
KIT10	$13	Steel Banded Hub Ring Set -- 2-1/2" diameter (Qty. 2 per kit)
KIT15	$13	Rubber Hub Ring only -- 2-1/2" diameter (Qty. 2 per kit)
KIT9	$13	Steel Banded Hub Ring Set -- 2-1/4" diameter (Qty. 2 per kit)



KIT9, KIT10 KIT15

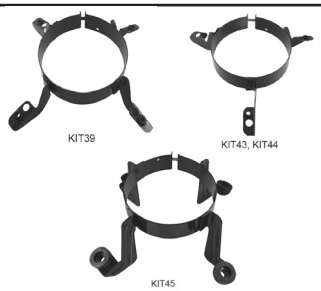
Resilient Base Clamp Kit

Catalog Number	List	Description
KIT52	$52	Base Clamp Mounting Hardware for 2-1/2" diameter. Qty. 12 clamps per kit



Flex Mount Belly Band

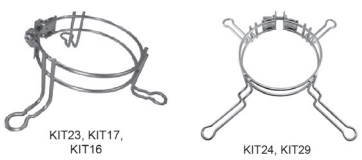
Catalog Number	List	Mounting Legs	Motor Diameter	Bolt Circle Diameter
KIT39	$32	4	5.6"	9" or 10"
KIT43	$29	3	5.0"	9" or 10"
KIT44	$30	3	5.6"	9" or 10"
KIT45	$55	4	5.6	10"



KIT39 KIT43, KIT44 KIT45

Double Wire Belly Band

Catalog Number	List	Mounting Legs	Motor Diameter	Bolt Circle Diameter
KIT16	$54	3	5.0"	9 9/32"
KIT17	$34	3	5.6"	10"
KIT23	$37	3	5.6"	11"
KIT24	$61	4	5.6"	15"
KIT29	$64	4	5.6"	16"



KIT23, KIT17, KIT16 KIT24, KIT29

Lug Mount Belly Band

Catalog Number	List	Mounting Legs	Motor Diameter	Bolt Circle Diameter
KIT13	$41	3	5.0" to 5.6"	6 5/16" to 8 1/8"
KIT25	$50	3	5.6"	6 7/8" to 8 1/8"
KIT25T	$52	3	5.6"	8 1/8" to 12 1/8"



KIT13 KIT25, KIT25T

HVAC Motor Accessories

(continued)

Drip Shield

Catalog Number	List	Shaft Diameter Hole
KIT26	$26	1/2"
KIT28	$26	5/8"



Hub Length Adapter Kit

Catalog Number	List	Description
KIT27	$45	Each set includes Qty. 2 2-1/4" resilient mounting rings and Qty. 4 metal outer rings to convert to 2-1/2"rings (Fits 5.0" and 5-5/8" diameter motors). Also includes 10-32 studs for adaptation to 21 Frame and 8-32 studs for 5.0" and 5.6" Frame. screws for extended studs for 5.0" and 5.6" Frame.



Stator Studs Kit

Catalog Number	List	Description
KIT55	$81	One kit equals Qty. 1 carton of Qty. 144 studs and Qty. 288 nuts. For resale convenience we have packaged Qty. 12 studs and Qty. 24 nuts in a plastic bag, Qty. 12 bags to each carton. Price is for complete carton.8-1/2" long 8x32 thread stator studs and nuts.



AEGIS® Shaft Grounding Ring

Catalog Number	List	Frame Size
KIT21	$127	56
KIT60	$293	140
KIT61	$293	180
KIT62	$327	210
KIT63	$327	250



ECM Accessories

Catalog Number	List	Description
KIT40	$10	90 degrees plug adapter for EC watt motor.
KIT42	$40	Rear stud adapter for Rescue EC refrigeration motor with 5/8" height.
KIT42T	$42	Rear stud adapter for Rescue EC refrigeration motor with 1-5/8" height.
KIT58	$18	Height adapter for EC watt motor when replacing rectangular 51 frame.
KIT75	$106	AC adapter which provides a 48V the to RESCUE® Select Pro™ when programming.
KIT77	$77	16 pin speed controller interface
KIT87	$77	Speed controller user interface



HVAC Motor Accessories

(continued)

Resilient Base Kit

Catalog Number	List	Shaft Height	Hub to Hub Length	Hub Ring Diameter	
KIT3	$36	3	4-1/8	2-1/2	
KIT30	$36	3	4-3/8	2-1/2	
KIT5	$36	3-1/2	4-1/8	2-1/2	
KIT31	$36	3-1/2	4-3/8	2-1/2	
KIT6	$36	3-1/2	4-7/8	2-1/2	
KIT4	$36	3	4-7/8	2-1/2	
KIT19	$26	3	5-1/8	2-1/2	
KIT32	$36	3	5-3/8	2-1/2	
KIT20	$26	3-1/2	5-1/8	2-1/2	
KIT34	$36	3-1/2	5-3/8	2-1/2	
KIT38	$36	3	6-1/2	2-1/2	
KIT37	$36	3-1/2	6-1/2	2-1/2	
KIT12	$29	3-1/2	7	2-1/2	
KIT51	$23	3-1/2	7-1/2	2-1/2	
KIT14	$24	3-1/2	8-1/2	2-1/2	

HVAC Run Capacitors

APPLICATIONS:

High Quality Run Capacitors

FEATURES:

- Made in USA
- 440 Vac
- 50/60 hz
- Protected 10,000 AFC

Round Run Capacitor

Catalog Number	List	MFD	Voltage
5R440	11	5	440
7R440	11	7	440
10R440	13	10	440
12R440	13	12.5	440
15R440	14	15	440
15R440	17	15	440
17R440	-	17.5	440
20R440	15	20	440
25R440	17	25	440
30R440	18	30	440
31R440	19	31.5	440
35R440	19	35	440
35R440	17	35	440
40R440	21	40	440
45R440	21	45	440
45R440	17	45	440
50R440	25	50	440
55R440	27	55	440
60R440	29	60	440
70R440	30	70	440
80R440	33	80	440



Oval Run Capacitor

Catalog Number	List	MFD	Voltage
3L440	10	3	440
4L440	7	4	440
5L440	10	5	440
6L440	10	6	440
7L440	11	7.5	440
10L440	11	10	440
12L440	14	12.5	440
15L440	14	15	440
15L440	12	15	440



HVAC Run Capacitors

Oval Run Capacitor

17L440	17	17.5	440
20L440	18	20	440
25L440	19	25	440
30L440	21	30	440
35L440	22	35	440
40L440	25	40	440
45L440	27	45	440
50L440	29	50	440
55L440	32	55	440
60L440	34	60	440
70L440	38	70	440
80L440	42	80	440

Dual Run Capacitor

Catalog Number	List	MFD	Voltage
3010R440	27	30/10	440
3510R440	27	35/10	440
3075R440	26	30/7.5	440
4010R440	33	40/10	440
4510R440	34	45/10	440
3575R440	27	35/7.5	440
5010R440	35	50/10	440
4075R440	31	40/7.5	440
5510R440	30	55/10	440
305R440	26	30/5	440
4575R440	33	45/7.5	440
6010R440	39	60/10	440
5075R440	35	50/7.5	440
355R440	27	35/5	440
5575R440	36	55/7.5	440
405R440	31	40/5	440
6075R440	37	60/7.5	440
8010R440	43	80/10	440
455R440	33	45/5	440
505R440	34	50/5	440
8075R440	42	80/7.5	440
555R440	35	55/5	440
605R440	36	60/5	440
805R440	42	80/5	440



Embraco Condensing Unit Evaporative Drain Pan (EDP) Undercounter



APPLICATIONS:

Condensing units for undercounter and prep table

FEATURES:

- Anti-corrosion painting on coils
- Condenser coil protection and end cover
- Designed for 110º F ambient temperature
- Factory nitrogen holding charged
- Wiring follows National Electrical Code (NEC)
- Standard electrical connections
- All units are compliant with UL requirements
- Components commonly found in the replacement market
- Equipped with EDP (Evaporative Drain Pan)
- Designed for easy components replacement
- Structural metallic rail
- Snap-on fixation for compressor
- Process tube comes w/ schrader valve
- Replaceable evaporative tray
- Clip support with less vibration
- ECM fan motor for all units

R134a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/4	L/MBP	115	UFF0025XZGA24S	$1159	FFU80HAX	45
	L/MBP	115	UFF0025XZGA44S	$926	FFU80HAX	44
	L/MBP	115	UFF0027XZGA24S	$1187	FF10HBX	46
	L/MBP	115	UFF0027XZGA44S	$954	FF10HBX	45
1/3	L/MBP	115	UFF0036XZGA24S	$1296	FFU130HAX	46
	L/MBP	115	UFF0036XZGA44S	$1063	FFU130HAX	44
1/2	L/MBP	115	UFF0044XZGA24S	$1424	FFU160HAX	46
	L/MBP	115	UFF0044XZGA44S	$1191	FFU160HAX	44

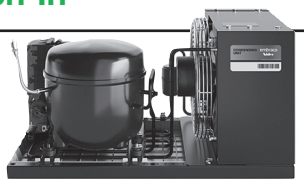
R404a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/3	MBP	115	UNE0040MGGA24S	$1572	NEU6210GK	45
	LBP	115	UNE0033LGGA44S	$1169	NEK2121GK	43
	LBP	115	UNE0033LGGA24S	$1367	NEK2121GK	44
	MBP	115	UNE0037MGGA24S	$1520	NEU6181GK	44
	MBP	115	UNE0037MGGA44S	$1317	NEU6181GK	42
	MBP	115	UNE0040MGGA44S	$1374	NEU6210GK	44
1/2	LBP	115	UNE0048LGGA24S	$1712	NEU2140GK	45
	LBP	115	UNE0048LGGA44S	$1523	NEU2140GK	44
3/4	LBP	115	UNE0060LGGA24S	$1876	NEU2155GK	46
	LBP	115	UNE0060LGGA44S	$1673	NEU2155GK	44

R290

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/6	L/MBP	115	UEM0016XUGA54S	$618	EM2U3111U	27
1/5	L/MBP	115	UEM0023LUEA54S	$680	EMX3115U	29
1/4	L/MBP	115	UEM0024LUGA54S	$680	EM2U3115U	29
	L/MBP	115	UEM0028LUEA54S	$749	EMC3121U	29
1/3	L/MBP	115	UEM0031LUGA54S	$749	EM2X3121U	29
	L/MBP	115	UEM0034LUGA54S	$786	EM2X3125U	30
	L/MBP	115	UEM0034LUEA54S	$823	EMC3125U	30
	L/MBP	115	UEM0039XUEA54S	$865	EMC3130U	30
1/2	L/MBP	115	UEM0047XUEA54S	$989	EMC3140U	32
	LBP	115	UEH0057LUGA54S	$1039	EHX2155U	34

Embraco Condensing Unit Evaporative Drain Pan (EDP) Reach-In



APPLICATIONS:

Condensing units for reach-in freezers and refrigerators

FEATURES:

- Anti-corrosion painting on coils
- Condenser coil protection and end cover
- Designed for 110º F ambient temperature
- Factory nitrogen holding charged
- Wiring follows National Electrical Code (NEC)
- Standard electrical connections
- All units are compliant with UL requirements
- Components commonly found in the replacement market
- Equipped with EDP (Evaporative Drain Pan)
- Designed for easy components replacement
- Structural metallic rail
- Snap-on fixation for compressor
- Process tube comes w/ schrader valve
- Replaceable evaporative tray
- Clip support with less vibration
- ECM fan motor for all units

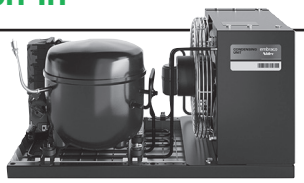
R134a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/4	L/MBP	115	UFF0026XZEA24M	$1159	FFU80HAX	47
	L/MBP	115	UFF0026XZEA44M	$926	FFU80HAX	46
1/3	L/MBP	115	UFF0031XZGA24M	$1187	FF10HBX	49
	L/MBP	115	UFF0039XZEA24M	$1296	FFU130HAX	48
	L/MBP	115	UFF0031XZGA44M	$954	FF10HBX	48
	L/MBP	115	UFF0039XZEA44M	$1063	FFU130HAX	48
1/2	MBP	115	UNE0061MZEA24M	$1639	NEU6212Z	50
	MBP	115	UNE0069MZEA24M	$1732	NEU6214Z	50
	MBP	115	UNE0069MZEA44M	$1638	NEU6214Z	48
	L/MBP	115	UFF0048XZGA24M	$1424	FFU160HAX	48
	L/MBP	115	UFF0048XZGA44M	$1191	FFU160HAX	46
	MBP	115	UNE0061MZEA44M	$1584	NEU6212Z	48

R404a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/3	LBP	115	UNE0035LGGA24M	$1367	NEK2121GK	49
	MBP	115	UNE0040MGEA24M	$1325	NEU6181GK	49
	MBP	115	UNE0044MGEA24M	$1390	NEU6210GK	51
	LBP	115	UNE0035LGGA44M	$1169	NEK2121GK	46
	MBP	115	UNE0040MGEA44M	$1136	NEU6181GK	48
	MBP	115	UNE0044MGEA44M	$1192	NEU6210GK	49
1/2	LBP	115	UNE0052LGEA24M	$1712	NEU2140GK	52
	MBP	115	UNE0050MGEA24M	$1487	NEU6212GK	51
	LBP	115	UNE0070LGEA24M	$1876	NEU2155GK	51
	LBP	115	UNE0052LGEA44M	$1523	NEU2140GK	50
	MBP	115	UNE0050MGEA44M	$1289	NEU6212GK	49
	LBP	115	UNE0070LGEA44M	$1673	NEU2155GK	49
3/4	LBP	115	UNE0080LGEA24M	$1923	NEU2168GK	50
	LBP	115	UNE0080LGEA44M	$1715	NEU2168GK	48
	MBP	115	UNE0077MGEA24M	$2045	NEU6220GK	48
	MBP	115	UNE0069MGEA24M	$1906	NEU6215GK	48
	MBP	115	UNE0069MGEA44M	$1702	NEU6215GK	48
	MBP	115	UNE0077MGEA44M	$1847	NEU6220GK	48
1	LBP	115	UNE0090LGEA24M	$2045	NEU2178GK	50
	LBP	115	UNE0090LGEA44M	$1823	NEU2178GK	48

Embraco Condensing Unit Evaporative Drain Pan (EDP) Reach-In



R290

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/5	L/MBP	115	UEM0024XUEA44M	$749	EMX3115U	32
1/4	L/MBP	115	UEM0031XUEA44M	$823	EMC3121U	35
1/3	L/MBP	115	UEM0035XUEA44M	$905	EMC3125U	36
	L/MBP	115	UFF0042XUEA44M	$904	FFU130UAX	43
1/2	L/MBP	115	UEM0054XUEA44M	$978	EMC3134U	68
	L/MBP	115	UEM0063XUEA44M	$1050	EMC3140U	68
	L/MBP	115	UEM0065XUEA44M	$1104	EMC3145U	37
	M/HBP	115	UNE0064MUGA44M	$1200	NEU6214U	45
	LBP	115	UEH0070LUEA44M	$1200	EHX2155U	32
	L/MBP	115	UFF0049XUEA44M	$1037	FFU160UAX	68
3/4	L/MBP	115	UNE0078XUEA44M	$1205	NEX4160UA	43
	L/MBP	115	UNE0090XUEA44M	$1310	NEX4170UA	43
1	L/MBP	115	UNE0098XUEA44M	$1453	NEX4180UA	43

Embraco Scroll Compressors



APPLICATIONS:

Scroll compressor for air conditioning applications such as packaged systems and residential a/c for central ducted system.

FEATURES:

- Embraco Fixed Speed Vertical Compressors
- Multi-refrigerant platform
- Air Conditioning HBP
- AHRI 540 Conditions
- Internal motor protection included
- Integrated sight glass
- Built-in sound improving solutions with optional noise jacket
- Triple Dynamic Seal

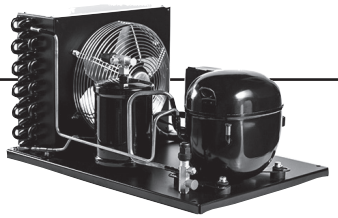
R410a

TR	Application	Voltage	Catalog Number	List	Disp. (cc)	Cooling Capacity (BTU/hr)	Weight (lbs)
1.7	Air Conditioning HBP	208-230	EAF22H-C1-NABA	$1121	21.6	22,428	59
2.0	Air Conditioning HBP	208-230	EAF25H-C1-NABA	$1145	25.0	25,165	59
2.6	Air Conditioning HBP	208-230	EAF32H-C1-NABA	$1186	30.5	30,426	62
3.0	Air Conditioning HBP	208-230	EAF36H-C1-NABA	$1283	34.8	37,104	64
3.5	Air Conditioning HBP	208-230	EAF42H-C1-NABA	$1316	40.1	43,051	66
4.0	Air Conditioning HBP	208-230	EAF49H-C1-NABA	$1616	45.8	49,200	66
4.5	Air Conditioning HBP	208-230	EAF54H-C1-NABA	$1654	50.0	54,158	66
5.0	Air Conditioning HBP	208-230	EAF61H-C1-NABA	$1841	57.5	61,869	66

R22

TR	Application	Voltage	Catalog Number	List	Disp. (cc)	Cooling Capacity (BTU/hr)	Weight (lbs)
1.7	Air Conditioning HBP	208-230	EAF22E-C1-NABA	$1121	28.8	21,172	59
2.0	Air Conditioning HBP	208-230	EAF25E-C1-NABA	$1145	34.8	26,041	59
2.6	Air Conditioning HBP	208-230	EAF32E-C1-NABA	$1186	42.7	31,126	62
3.0	Air Conditioning HBP	208-230	EAF36E-C1-NABA	$1283	48.0	35,984	64
3.5	Air Conditioning HBP	208-230	EAF42E-C1-NABA	$1316	57.5	40,130	66
4.0	Air Conditioning HBP	208-230	EAF49E-C1-NABA	$1616	67.2	46,388	66
4.5	Air Conditioning HBP	208-230	EAF54E-C1-NABA	$1654	73.6	51,093	66
5.0	Air Conditioning HBP	208-230	EAF61E-C1-NABA	$1841	82.0	56,935	66

Embraco Condensing Units 1st Generation



APPLICATIONS:

Refrigeration condensing units for island coolers, self-service coolers, beverage display.

FEATURES:

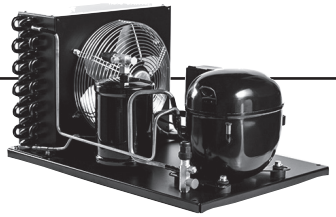
- Anti-corrosion painting on coils
- Condenser coil protection and end cover
- Designed for 110º F ambient temperature
- Factory nitrogen holding charged
- Wiring follows National Electrical Code (NEC)
- Standard electrical connections
- All units are compliant with UL requirements
- Components commonly found in the replacement market

- **Available in standard executions**
- 16: with filter drier
- 51: with flair valves; no receiver
- 52: with flair valves, receiver
- 56: with sweat valves, receiver
- 63: with discharge and suction valves, power cord
- 66: with power cord
- 69: with power cord for 230 V
- 71: with suction valve
- 72: with receiver, power cord
- 74: with valves, receiver, power cord
- 75: with valves, power cord; no receiver
- 86: with power cord for 115 V

R134a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/6	M/HBP	115	UM65HHR-66	$559	EM65HHR	37
1/5	L/M/HBP	115	UMIS70HHR-16	$574	EMIS70HHR	37
1/4	L/M/HBP	115	UF10HBX1-89	$1134	FF10HBX	41
	L/M/HBP	115	UF10HBX1-NR-63	$743	FF10HBX	41
	L/M/HBP	115	UF10HBX1-74	$812	FF10HBX	41
	L/M/HBP	115	UF10HBX1-75	$812	FF10HBX	41
	M/HBP	115	UNEK6160Z1-L6	$963	NEK6160Z	44
	M/HBP	115	UNEK6170Z1-L6	$770	NEK6170Z	44
	L/M/HBP	115	UF10HBX1	$812	FF10HBX	41
1/3	L/M/HBP	115	UFI12HBX1	$771	FFI12HBX	45
	L/M/HBP	115	UFI12HBX1-71	$836	FFI12HBX	45
	L/M/HBP	115	UFI12HBX1-72	$787	FFI12HBX	45
	M/HBP	115	UNEK6210Z1-L6	$800	NEK6210Z	47
	L/M/HBP	115	UFI12HBX1-86	$836	FFI12HBX	45
	L/M/HBP	115	UFI12HBXSD-51	$781	FFI12HBX	45
	L/M/HBP	208-230	UFI12HBX6-69	$751	FFI12HBX	45
	M/HBP	115	UNEU6187Z1-L6	$1346	NEU6187Z	49
	M/HBP	115	UNEU6187Z1-56	$1307	NEU6187Z	45
1/2	M/HBP	115	UNEU6212Z1-56	$1317	NEU6212Z	49
	M/HBP	115	UNEU6212Z1-L6	$1254	NEU6212Z	49
	M/HBP	115	UNEU6214Z1-56	$1052	NEU6214Z	49
	L/MBP	115	UFU160UAX1	$1167	FFU160UAX	99
	M/HBP	208-230	UNT6215Z2-L6	$1934	NT6215ZV	58
	M/HBP	115	UNT6215Z1-51	$1972	NT6215Z	60
	M/HBP	115	UNT6215Z1-52	$1972	NT6215Z	60
	M/HBP	115	UNT6215Z1	$1972	NT6215Z	60
	M/HBP	208-230	UNEU6214Z2-L6	$1373	NEU6214Z	49
3/4	M/HBP	115	UNT6217ZV1-L6	$1541	NT6217ZV	74
	M/HBP	115	UNEK6214Z1-51	$1159	NEK6214Z	49
	M/HBP	115	UNEK6214Z1-52	$1223	NEK6214Z	49
	M/HBP	115	UNT6217ZV2-L6	$1909	NT6217ZV	74
1	M/HBP	115	UNT6220Z1-56	$1512	NT6220Z	72
	M/HBP	208-230	UNT6220Z2-56	$1537	NT6220Z	72
	M/HBP	208-230	UNJ6220ZT2	$2068	NJ6220ZT	77

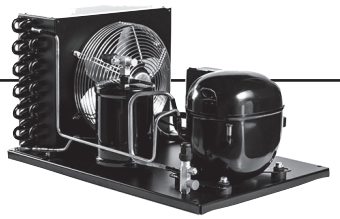
Embraco Condensing Units 1st Generation



R404a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/3	LBP	115	UNEK2125GK1-E	$1365	NEK2125GK	38
1/2	LBP	208-230	UNEK2150GK2-L6	$1393	NEK2150GK	49
	LBP	115	UNEK2150GK1	$1335	NEK2150GK	47
	M/HBP	208-230	UNEK6213GK2-L6	$1408	NEK6213GK	50
	M/HBP	115	UNEK6213GK1-L6	$1363	NEK6213GK	50
	M/HBP	208-230	UNEK6210GK2-L6	$1393	NEK6210GK	50
	M/HBP	115	UNEK6210GK1-52	$1363	NEK6210GK	51
	M/HBP	115	UNEK6210GK1-L6	$1336	NEK6210GK	50
3/4	LBP	208-230	UNT2168GKV2-L6	$1452	NT2168GKV	60
	LBP	115	UNT2168GKV1-L6	$1363	NT2168GKV	60
	M/HBP	208-230	UNT6220GKV2-L6	$2091	NT6220GKV	75
	M/HBP	115	UNT6220GKV1-L6	$1573	NT6220GKV	69
	M/HBP	208-230	UNT6217GKV2	$1603	NT6217GKV	75
	M/HBP	115	UNT6217GKV1-L6	$1378	NT6217GKV	69
	M/HBP	208-230	UNT6220GKV2-52	$2072	NT6220GKV	69
1	LBP	208-230	UNT2180GKV2	$1600	NT2180GKV	60
	LBP	115	UNT2180GKV1-L6	$1423	NT2180GKV	63
	M/HBP	208-230	UNT6222GKV2-L6	$1647	NT6222GKV	70
	M/HBP	115	UNT6222GKV1-L6	$1588	NT6222GKV	70
	M/HBP	208-230	UNT6226GKV2-52	$1605	NT6226GKV	70.6
	M/HBP	208-230	UNJ9226GK2-52	$2094	NJ9226GK	83
1 1/4	LBP	208-230	UNT2192GKV2-56	$1630	NT2192GKV	80
	LBP	208-230	UNT2192GKV2-L6	$1648	NT2192GKV	80
1 1/2	LBP	208-230	UNT2212GKV2	$1333	NT2212GKV	80

Embraco Condensing Units 2nd Generation



APPLICATIONS:

Refrigeration condensing units for island coolers, self-service coolers, beverage display.

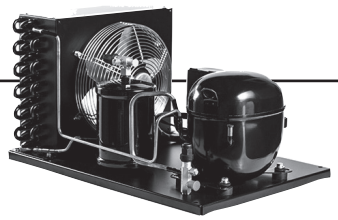
FEATURES:

- Anti-corrosion painting on coils
- Condenser coil protection and end cover
- Designed for 110° F ambient temperature
- Factory nitrogen holding charged
- Wiring follows National Electrical Code (NEC)
- Standard electrical connections
- All units are compliant with UL requirements
- Components commonly found in the replacement market
- **Available in 3 feature packages (Bare, Plus, Ultimate)**
- **Bare Version:** Includes suction and liquid valves, fan guard, end cover, and power cord
- **Plus Version:** Includes Bare package, liquid receiver, sight glass, and filter drier
- **Ultimate Version:** Includes Plus package, pressure switch, terminal block, and electrical box

R134a

HP	Application	Voltage	Catalog Number	List	Compressor	Version	Weight (lbs)
1/10	L/MBP	115	UFF0010XZE-A11A	$648	FFU80HAX	Bare	42.24
	L/MBP	115	UFF0010XZE-A21A	$811	FFU80HAX	Plus	43.56
1/5	L/MBP	115	UFF0020XZG-A11A	$668	FF10HBX	Bare	42.24
	L/MBP	115	UFF0020XZG-A21A	$831	FF10HBX	Plus	43.56
1/4	L/MBP	115	UFF0025XZE-A21A	$906	FFU130HAX	Plus	43.56
	L/MBP	115	UFF0025XZE-A11A	$744	FFU130HAX	Bare	42.24
1/3	L/MBP	115	UFF0033XZE-A11A	$833	FFU160HAX	Bare	44.88
	L/MBP	115	UFF0033XZE-A21A	$996	FFU160HAX	Plus	46.2
	L/MBP	115	UFF0033XZE-A22A	$1159	FFU160HAX	Ultimate	48.62
	L/MBP	208-230	UFF0033XZD-A11A	$821	FFU160HAX	Bare	44.88
	L/MBP	208-230	UFF0033XZD-A21A	$984	FFU160HAX	Plus	46.2
	L/MBP	208-230	UFF0033XZD-A22A	$1147	FFU160HAX	Ultimate	48.62
1/2	MBP	208-230	UNE0045MZB-A21A	$1108	NEU6212Z	Plus	46.2
	MBP	208-230	UNE0045MZB-A22A	$1246	NEU6212Z	Ultimate	48.62
	MBP	115	UNE0045MZE-A21A	$1147	NEU6212Z	Plus	46.2
	MBP	115	UNE0045MZE-A22A	$1285	NEU6212Z	Ultimate	48.62
	MBP	208-230	UNE0050MZD-A21A	$1146	NEU6214Z	Plus	46.2
	MBP	208-230	UNE0050MZD-A22A	$1284	NEU6214Z	Ultimate	46.2
	MBP	115	UNE0050MZE-A21A	$1211	NEU6214Z	Plus	46.2
	MBP	115	UNE0050MZE-A22A	$1350	NEU6214Z	Ultimate	48.62
3/4	MBP	115	UNT0075MGG-A22A	$1805	NT6220GKV	Ultimate	69.3
1	MBP	208-230	UNT0060MZD-A21A	$1315	NT6220Z	Plus	56.54
	MBP	208-230	UNT0060MZD-A22A	$1454	NT6220Z	Ultimate	58.96
	MBP	115	UNT0060MZG-A21A	$1344	NT6220Z	Plus	56.54
	MBP	115	UNT0060MZG-A22A	$1483	NT6220Z	Ultimate	58.96
1 1/4	MBP	208-230	UNT0100MZD-A21A	$1714	NTU6224ZV	Plus	66.88
	MBP	208-230	UNT0100MZD-A22A	$1853	NTU6224ZV	Ultimate	66.88
	MBP	115	UNT0100MZG-A21A	$1819	NTU6224ZV	Plus	69.74
	MBP	115	UNT0100MZG-A22A	$1958	NTU6224ZV	Ultimate	72.16

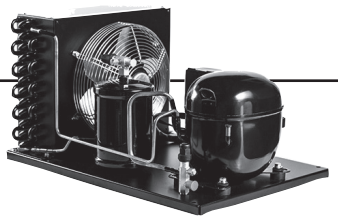
Embraco Condensing Units 2nd Generation



R404a

HP	Application	Voltage	Catalog Number	List	Compressor	Version	Weight (lbs)
1/3	MBP	115	UNE0025MGE-A11A	$921	NEU6181GK	Bare	40.26
	MBP	115	UNE0025MGE-A21A	$1001	NEU6181GK	Plus	41.58
	LBP	115	UNE0020LGG-A11A	$817	NEK2121GK	Bare	40.26
	LBP	115	UNE0020LGG-A21A	$956	NEK2121GK	Plus	41.58
	LBP	115	UNE0020LGG-A22A	$1095	NEK2121GK	Ultimate	44
	MBP	115	UNE0025MGG-A11A	$887	NEK6152GK	Bare	35.2
	MBP	115	UNE0033MGE-A11A	$961	NEU6210GK	Bare	44.88
	MBP	115	UNE0033MGE-A21A	$1099	NEU6210GK	Plus	46.2
	MBP	115	UNE0033MGE-A22A	$1238	NEU6210GK	Ultimate	48.62
1/2	LBP	208-230	UNE0033LGB-A21A	$1065	NEU2140GK	Plus	43.56
	LBP	208-230	UNE0033LGB-A22A	$1204	NEU2140GK	Ultimate	45.98
	LBP	115	UNE0033LGE-A21A	$1198	NEU2140GK	Plus	43.56
	LBP	115	UNE0033LGE-A22A	$1336	NEU2140GK	Ultimate	45.98
	MBP	115	UNE0050MGE-A11A	$1127	NEU6214GK	Bare	44.88
	MBP	115	UNE0050MGE-A21A	$1266	NEU6214GK	Plus	46.2
	MBP	115	UNE0050MGE-A22A	$1404	NEU6214GK	Ultimate	48.62
	MBP	115	UNE0040MGE-A11A	$1029	NEU6212GK	Bare	44.88
	MBP	115	UNE0040MGE-A22A	$1307	NEU6212GK	Ultimate	48.62
	MBP	115	UNE0040MGE-A21A	$1513	NEU6212GK	Plus	63
3/4	LBP	208-230	UNE0060LGD-A21A	$1199	NEU2168GK	Plus	48.18
	LBP	208-230	UNE0060LGD-A22A	$1338	NEU2168GK	Ultimate	50.6
	LBP	115	UNE0060LGE-A21A	$1345	NEU2168GK	Plus	48.18
	LBP	115	UNE0060LGE-A22A	$1484	NEU2168GK	Ultimate	50.6
	LBP	208-230	UNE0075LGD-A21A	$1275	NEU2178GK	Plus Unit	48.18
	MBP	208-230	UNT0065MGD-A21A	$1419	NT6220GKV	Plus	53.24
	MBP	208-230	UNT0065MGD-A22A	$1557	NT6220GKV	Ultimate	55.66
	MBP	208-230	UNT0050MGD-A32A	$1669	NT6220GKV	Ultimate Compact	60.28
	MBP	115	UNT0065MGG-A21A	$1472	NT6220GKV	Plus	53.24
	MBP	115	UNT0065MGG-A22A	$1611	NT6220GKV	Ultimate	55.66
	MBP	115	UNT0050MGG-A32A	$1731	NT6220GKV	Ultimate Compact	60.28
	MBP	115	UNT0075MGG-A21A	$1666	NT6220GKV	Plus	66.88
	MBP	208-230	UNE0060MGD-A21A	$1317	NEU6215GK	Plus	61.38
	MBP	208-230	UNE0060MGD-A22A	$1456	NEU6215GK	Ultimate	63.8
	MBP	115	UNE0060MGE-A21A	$1395	NEU6215GK	Plus	61.38
	MBP	115	UNE0060MGE-A22A	$1533	NEU6215GK	Ultimate	63.8
1	LBP	208-230	UNT0090LGD-A21A	$1861	NT2180GKV	Plus	69.74
	LBP	115	UNT0090LGE-A21A	$1585	NT2180GK	Plus	69.74
	LBP	115	UNT0090LGE-A22A	$1724	NT2180GK	Ultimate	72.16
	LBP	208-230	UNE0075LGD-A22A	$1414	NEU2178GK	Ultimate	50.6
	LBP	115	UNE0075LGE-A21A	$1430	NEU2178GK	Plus	48.18

Embraco Condensing Units 2nd Generation



R404a

HP	Application	Voltage	Catalog Number	List	Compressor	Version	Weight (lbs)
1	LBP	115	UNE0075LGE-A22A	$1569	NEU2178GK	Ultimate	50.6
	MBP	208-230	UNT0075MGD-A21A	$1635	NT6222GKV	Plus	66.88
	MBP	208-230	UNT0075MGD-A22A	$1773	NT6222GKV	Ultimate	69.3
	MBP	208-230	UNT0100MGD-A21A	$1705	NTU6232GKV	Plus	66.88
	MBP	208-230	UNT0100MGD-A22A	$1843	NTU6232GKV	Ultimate	69.3
	MBP	208-230	UNT0100MGD-A32A	$1979	NTU6232GKV	Ultimate Compact	87.56
	MBP	115	UNT0100MGG-A21A	$1755	NTU6232GKV	Plus	69.74
	MBP	115	UNT0100MGG-A22A	$1894	NTU6232GKV	Ultimate	72.16
	MBP	115	UNT0100MGG-A32A	$2019	NTU6232GKV	Ultimate Compact	88.66
1 1/4	LBP	208-230	UNT0100LGD-A21A	$1585	NT2192GK	Plus	69.74
	LBP	208-230	UNT0090LGD-A22A	$1575	NT2192GK	Ultimate	72.16
	LBP	115	UNT0100LGG-A21A	$1740	NT2192GK	Plus	69.74
	LBP	115	UNT0100LGG-A22A	$1879	NT2192GK	Ultimate	72.16
1 1/2	LBP	208-230	UNT0125LGD-A21A	$1663	NT2212GK	Plus	76.78
	LBP	208-230	UNT0125LGD-A22A	$1802	NT2212GK	Ultimate	79.2
	MBP	208-230	UNT0140MGD-A21A	$1938	NTU6240GKV	Plus	69.74
	MBP	208-230	UNT0140MGD-A22A	$2076	NTU6240GKV	Ultimate	98
	MBP	208-230	UNT0125MGD-A32A	$2165	NTU6240GKV	Ultimate Compact	90.42

Embraco Condensing Unit Evaporative Drain Pan (EDP) Undercounter



APPLICATIONS:

Condensing units for undercounter and prep table

FEATURES:

- Anti-corrosion painting on coils
- Condenser coil protection and end cover
- Designed for 110º F ambient temperature
- Factory nitrogen holding charged
- Wiring follows National Electrical Code (NEC)
- Standard electrical connections
- All units are compliant with UL requirements
- Components commonly found in the replacement market
- Equipped with EDP (Evaporative Drain Pan)
- Designed for easy components replacement
- Structural metallic rail
- Snap-on fixation for compressor
- Process tube comes w/ schrader valve
- Replaceable evaporative tray
- Clip support with less vibration
- ECM fan motor for all units

R134a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/4	L/MBP	115	UFF0025XZGA24S	$1159	FFU80HAX	45
	L/MBP	115	UFF0025XZGA44S	$926	FFU80HAX	44
	L/MBP	115	UFF0027XZGA24S	$1187	FF10HBX	46
	L/MBP	115	UFF0027XZGA44S	$954	FF10HBX	45
1/3	L/MBP	115	UFF0036XZGA24S	$1296	FFU130HAX	46
	L/MBP	115	UFF0036XZGA44S	$1063	FFU130HAX	44
1/2	L/MBP	115	UFF0044XZGA24S	$1424	FFU160HAX	46
	L/MBP	115	UFF0044XZGA44S	$1191	FFU160HAX	44

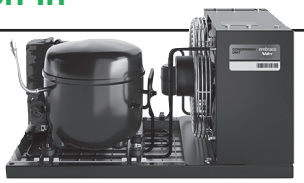
R404a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/3	MBP	115	UNE0040MGGA24S	$1572	NEU6210GK	45
	LBP	115	UNE0033LGGA44S	$1169	NEK2121GK	43
	LBP	115	UNE0033LGGA24S	$1367	NEK2121GK	44
	MBP	115	UNE0037MGGA24S	$1520	NEU6181GK	44
	MBP	115	UNE0037MGGA44S	$1317	NEU6181GK	42
	MBP	115	UNE0040MGGA44S	$1374	NEU6210GK	44
1/2	LBP	115	UNE0048LGGA24S	$1712	NEU2140GK	45
	LBP	115	UNE0048LGGA44S	$1523	NEU2140GK	44
3/4	LBP	115	UNE0060LGGA24S	$1876	NEU2155GK	46
	LBP	115	UNE0060LGGA44S	$1673	NEU2155GK	44

R290

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/6	L/MBP	115	UEM0016XUGA54S	$618	EM2U3111U	27
1/5	L/MBP	115	UEM0023LUEA54S	$680	EMX3115U	29
1/4	L/MBP	115	UEM0024LUGA54S	$680	EM2U3115U	29
	L/MBP	115	UEM0028LUEA54S	$749	EMC3121U	29
1/3	L/MBP	115	UEM0031LUGA54S	$749	EM2X3121U	29
	L/MBP	115	UEM0034LUGA54S	$786	EM2X3125U	30
	L/MBP	115	UEM0034LUEA54S	$823	EMC3125U	30
	L/MBP	115	UEM0039XUEA54S	$865	EMC3130U	30
1/2	L/MBP	115	UEM0047XUEA54S	$989	EMC3140U	32
	LBP	115	UEH0057LUGA54S	$1039	EHX2155U	34

Embraco Condensing Unit Evaporative Drain Pan (EDP) Reach-In



APPLICATIONS:

Condensing units for reach-in freezers and refrigerators

FEATURES:

- Anti-corrosion painting on coils
- Condenser coil protection and end cover
- Designed for 110º F ambient temperature
- Factory nitrogen holding charged
- Wiring follows National Electrical Code (NEC)
- Standard electrical connections
- All units are compliant with UL requirements
- Components commonly found in the replacement market
- Equipped with EDP (Evaporative Drain Pan)
- Designed for easy components replacement
- Structural metallic rail
- Snap-on fixation for compressor
- Process tube comes w/ schrader valve
- Replaceable evaporative tray
- Clip support with less vibration
- ECM fan motor for all units

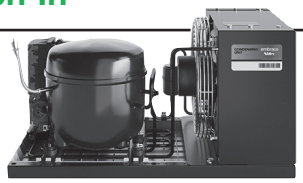
R134a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/4	L/MBP	115	UFF0026XZEA24M	$1159	FFU80HAX	47
	L/MBP	115	UFF0026XZEA44M	$926	FFU80HAX	46
1/3	L/MBP	115	UFF0031XZGA24M	$1187	FF10HBX	49
	L/MBP	115	UFF0039XZEA24M	$1296	FFU130HAX	48
	L/MBP	115	UFF0031XZGA44M	$954	FF10HBX	48
	L/MBP	115	UFF0039XZEA44M	$1063	FFU130HAX	48
1/2	MBP	115	UNE0061MZEA24M	$1639	NEU6212Z	50
	MBP	115	UNE0069MZEA24M	$1732	NEU6214Z	50
	MBP	115	UNE0069MZEA44M	$1638	NEU6214Z	48
	L/MBP	115	UFF0048XZGA24M	$1424	FFU160HAX	48
	L/MBP	115	UFF0048XZGA44M	$1191	FFU160HAX	46
	MBP	115	UNE0061MZEA44M	$1584	NEU6212Z	48

R404a

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/3	LBP	115	UNE0035LGGA24M	$1367	NEK2121GK	49
	MBP	115	UNE0040MGEA24M	$1325	NEU6181GK	49
	MBP	115	UNE0044MGEA24M	$1390	NEU6210GK	51
	LBP	115	UNE0035LGGA44M	$1169	NEK2121GK	46
	MBP	115	UNE0040MGEA44M	$1136	NEU6181GK	48
	MBP	115	UNE0044MGEA44M	$1192	NEU6210GK	49
1/2	LBP	115	UNE0052LGEA24M	$1712	NEU2140GK	52
	MBP	115	UNE0050MGEA24M	$1487	NEU6212GK	51
	LBP	115	UNE0070LGEA24M	$1876	NEU2155GK	51
	LBP	115	UNE0052LGEA44M	$1523	NEU2140GK	50
	MBP	115	UNE0050MGEA44M	$1289	NEU6212GK	49
	LBP	115	UNE0070LGEA44M	$1673	NEU2155GK	49
3/4	LBP	115	UNE0080LGEA24M	$1923	NEU2168GK	50
	LBP	115	UNE0080LGEA44M	$1715	NEU2168GK	48
	MBP	115	UNE0077MGEA24M	$2045	NEU6220GK	48
	MBP	115	UNE0069MGEA24M	$1906	NEU6215GK	48
	MBP	115	UNE0069MGEA44M	$1702	NEU6215GK	48
	MBP	115	UNE0077MGEA44M	$1847	NEU6220GK	48
1	LBP	115	UNE0090LGEA24M	$2045	NEU2178GK	50
	LBP	115	UNE0090LGEA44M	$1823	NEU2178GK	48

Embraco Condensing Unit Evaporative Drain Pan (EDP) Reach-In



R290

HP	Application	Voltage	Catalog Number	List	Compressor	Weight (lbs)
1/5	L/MBP	115	UEM0024XUEA44M	$749	EMX3115U	32
1/4	L/MBP	115	UEM0031XUEA44M	$823	EMC3121U	35
1/3	L/MBP	115	UEM0035XUEA44M	$905	EMC3125U	36
	L/MBP	115	UFF0042XUEA44M	$904	FFU130UAX	43
1/2	L/MBP	115	UEM0054XUEA44M	$978	EMC3134U	68
	L/MBP	115	UEM0063XUEA44M	$1050	EMC3140U	68
	L/MBP	115	UEM0065XUEA44M	$1104	EMC3145U	37
	M/HBP	115	UNE0064MUGA44M	$1200	NEU6214U	45
	LBP	115	UEH0070LUEA44M	$1200	EHX2155U	32
	L/MBP	115	UFF0049XUEA44M	$1037	FFU160UAX	68
3/4	L/MBP	115	UNE0078XUEA44M	$1205	NEX4160UA	43
	L/MBP	115	UNE0090XUEA44M	$1310	NEX4170UA	43
1	L/MBP	115	UNE0098XUEA44M	$1453	NEX4180UA	43

Cooling Tower Duty Motors

Many of Nidec Motor Corporation's Premium Efficient Cooling Tower motors are stocked for you. Refer to pages 51 to 53.

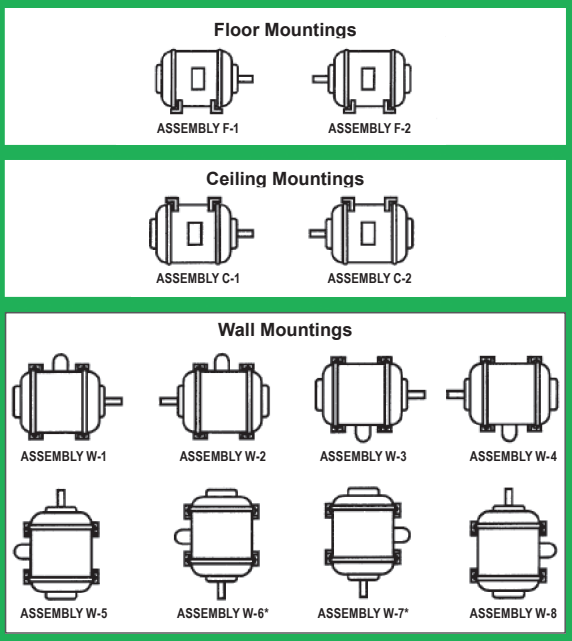
Stocked motors have the following conversion options: Space Heaters, Thermistors, Shaft Grounding, and Assembly Positions. Stock motors can ship immediately! Conversion orders can ship within 3 days!

Features & Benefits:

- All single speed Premium Efficient models meet NEMA®† Premium efficiency levels
- Thousands of configurations to choose from
- Rotor balance better than .08 in/sec on Premium Efficient motors
- Meets IEC 34-5 Classification IP55
- Inverter Duty & Two-speed models help customers meet ASHRAE Standard 90.1

* W6 and W7 available on Totally Enclosed, Air Over Only (TEAO)

Motor Mounting Assembly Guide:

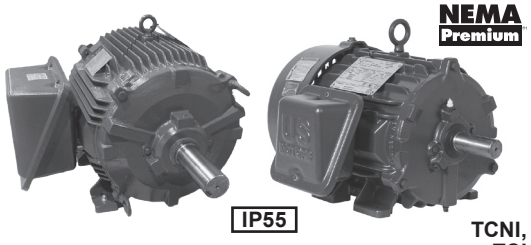




Stock World Motor Cooling Tower Duty Three Phase, TEAO & TEFC Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

APPLICATIONS:

For use in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.



TCNI, TCI

FEATURES:

- INVERTER GRADE® Motors with Insulation that Exceeds the NEMA®† MG-1 Part 31 Standard
- Double Dip & Bake, 100% Solids, Polyester Insulation on Windings
- Class F Insulation, 40°C Ambient
- Cast Iron Frame & Outlet Box
- Cast Iron Bearing Caps
- Double Sealed bearings
- Double Drilled Feet to Accommodate Mounting Flexibility
- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec Inverter Compatible: Exceeds NEMA®† MG-1 Part 31 (10:1 Variable Torque)
- NEMA®† Design B Performance on 60 Hertz Sine Wave Power
- Meets IEC 34-5 Classification IP55
- Space Heater (115v)
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment
- Internal Shaft Grounding Ring (Where Noted)
- Refer to Page vii for Suitability of IHP Motors on Variable Frequency Drives
- Refer to Page 52 for Minimum Air Velocity Requirements

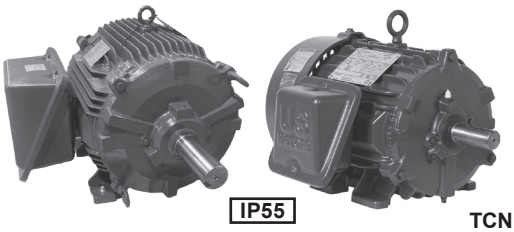
Totally Enclosed Air Over (TEAO) W6 and F1 Models

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1200	230/460	184T	CVW2V3B6	$1,454	W6	DS-3CTSW	1.15	13.6	130	88.5	6.2/3.1	LA
3	1800	230/460	182T	CVWG3V2B	$1,496	F1, W6, W8	DS-3CTSW	1.15	13.6	130	89.5	7.7/3.9	SGR
	1200	230/460	213T	CVW3V3B6	$2,138	W6	DS-3CTSW	1.15	17.1	200	90.2	8.6/4.3	LA
5	1800	200	184T	CVWG5V2H	$1,544	F1, W6, W8	DS-3CTSW	1.15	13.6	130	89.5	14.5	SGR
	1800	230/460	184T	CVWG5V2B	$1,544	F1, W6, W8	DS-3CTSW	1.15	13.6	130	89.5	12.7/6.3	SGR
	1200	230/460	215T	CVW5V3B6	$2,224	W6	DS-3CTSW	1.15	17.1	200	90.2	14.2/7.1	LA
7 1/2	1800	200	213T	CVWG7V2H	$1,994	F1, W6, W8	DS-3CTSW	1.15	17.1	200	91.7	21.9	SGR
	1800	230/460	213T	CVW7V2B6	$1,691	W6	DS-3CTSW	1.15	17.1	200	91.7	19.2/9.6	LA
	1200	230/460	254T	CVWG7V3B	$3,368	F1, W6, W8	DS-3CTSW	1.15	22.3	325	91.0	18.8/9.4	SGR
10	1800	200	215T	CVW10V2H6	$1,976	W6	DS-3CTSW	1.15	17.1	200	91.7	29.3	LA
	1800	230/460	215T	CVWG10V2B6	$2,301	W6	DS-3CTSW	1.15	17.1	180	91.7	25.7/12.8	LA, SGR
	1200	230/460	256T	CVW10V3B6	$3,577	W6	DS-3CTSW	1	22	325	92	25.1/12.5	LA
15	1800	200	254T	CVW15V2H6	$2,814	W6	DS-3CTSW	1.15	22.3	325	92.4	41	LA
	1800	230/460	254T	CVWG15V2B6	$3,164	W6	DS-3CTSW	1.15	22.3	275	92.4	36/18	LA, SGR
	1200	230/460	284T	CVW15V3B6	$5,105	W6	DS-3CTSW	1.15	24.8	380	91.7	36/18.2	LA
20	1800	200	256T	CVW20V2H6	$3,195	W6	DS-3CTSW	1.15	22.3	325	93.0	54	LA
	1800	230/460	256T	CVWG20V2B	$3,514	F1, W6, W8	DS-3CTSW	1.15	22.3	325	93.0	47/23.7	SGR
	1200	230/460	286T	CVW20V3B6	$5,809	W6	DS-3CTSW	1.15	24.8	410	91.7	48/24	LA
25	1800	230/460	284T	CVW25V2B6	$4,322	W6	DS-3CTSW	1.15	24.8	380	93.6	58/29.2	LA
	1800	230/460	284T	CVWG25V2B6	$4,687	W6	DS-3CTSW	1.15	24.8	365	93.6	58/29.2	LA, SGR
	1200	230/460	324T	CVW25V3B6	$7,867	W6	DS-3CTSW	1.15	27.5	605	93.0	59/29.3	LA
30	1800	230/460	286T	CVW30V2B6	$4,551	W6	DS-3CTSW	1.15	24.8	410	93.6	69/34	LA
	1200	230/460	326T	CVW30V3B6	$8,290	W6	DS-3CTSW	1.15	27.5	605	93.0	70/35	LA
40	1800	230/460	324T	CVWG40V2B	$6,059	F1, W6, W8	DS-3CTSW	1.15	27.5	605	94.1	92/46	SGR
	1200	230/460	364T	CVW40V3B6	$10,422	W6	DS-3CTSW	1.15	29.6	740	94.1	94/47	LA
50	1800	230/460	326T	CVWG50V2B6	$7,039	W6	DS-3CTSW	1.15	27.5	615	94.5	112/56	LA, SGR
	1200	230/460	365T	CVW50V3B6	$12,111	W6	DS-3CTSW	1.15	29.6	910	94.1	117/59	LA
60	1800	230/460	364T	CVWG60V2B6	$9,275	W6	DS-3CTSW	1.15	29.6	705	95.0	137/68	LA, SGR
	1200	230/460	404T	CVW60V3B6	$16,229	W6	DS-3CTSW	1.15	33.8	960	94.5	140/70	LA
75	1800	230/460	365T	CVW75V2B6	$10,227	W6	DS-3CTSW	1.15	29.6	910	95.4	170/85	LA
	1800	230/460	365T	CVWG75V2B6	$10,647	W6	DS-3CTSW	1.15	29.6	765	95.0	170/85	LA, SGR
	1200	230/460	405T	CVWG75V3B	$19,090	F1, W6, W8	DS-3CTSW	1.15	33.8	990	94.5	178/89	SGR
100	1800	230/460	405T	CVW100V2B6	$15,250	W6	DS-3CTSW	1.15	33.8	1000	95.4	229/115	LA

Note LA Limited Availability
Note SGR Shaft Grounding Ring

Stock World Motor Cooling Tower Duty Three Phase, TEAO & TEFC Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

(continued)



IP55

TCNI, TCI

Totally Enclosed Air Over (TEAO) F2 Models

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1200	230/460	184T	CVWG2V3B2	$1,744	F2, W5, W7	DS-3CTSW	1.15	13.6	130	88.5	6.2/3.1	SGR
3	1800	230/460	182T	CVWG3V2B2	$1,496	F2, W5, W7	DS-3CTSW	1.15	13.6	130	89.5	7.7/3.9	SGR
	1200	230/460	213T	CVWG3V3B2	$2,441	F2, W5, W7	DS-3CTSW	1.15	17.1	200	90.2	8.6/4.3	SGR
5	1800	200	184T	CVWG5V2H2	$1,544	F2, W5, W7	DS-3CTSW	1.15	13.6	130	89.5	14.5	SGR
	1800	230/460	184T	CVWG5V2B2	$1,544	F2, W5, W7	DS-3CTSW	1.15	13.6	130	89.5	12.7/6.3	SGR
	1200	230/460	215T	CVWG5V3B2	$2,527	F2, W5, W7	DS-3CTSW	1.15	17.1	200	90.2	14.2/7.1	SGR
7 1/2	1800	200	213T	CVWG7V2H2	$1,994	F2, W5, W7	DS-3CTSW	1.15	17.1	200	91.7	21.9	SGR
	1800	230/460	213T	CVWG5V2B2	$1,994	F2, W5, W7	DS-3CTSW	1.15	17.1	200	91.7	19.2/9.6	SGR
	1200	230/460	254T	CVWG7V3B2	$3,368	F2, W5, W7	DS-3CTSW	1.15	22.3	325	91.0	18.8/9.4	SGR
10	1800	200	215T	CVWG10V2H2	$2,279	F2, W5, W7	DS-3CTSW	1.15	17.1	200	91.7	29.3	SGR
	1800	230/460	215T	CVWG10V2B2	$2,279	F2, W5, W7	DS-3CTSW	1.15	17.1	200	91.7	25.7/12.8	SGR
	1200	230/460	256T	CVWG10V3B2	$3,896	F2, W5, W7	DS-3CTSW	1.15	22.3	325	91.7	25.1/12.5	SGR
15	1800	200	254T	CVWG15V2H2	$3,133	F2, W5, W7	DS-3CTSW	1.15	22.3	325	92.4	41	SGR
	1800	230/460	254T	CVWG15V2B2	$3,133	F2, W5, W7	DS-3CTSW	1.15	22.3	325	92.4	36/18	SGR
	1200	230/460	284T	CVWG15V3B2	$5,390	F2, W5, W7	DS-3CTSW	1.15	24.8	380	91.7	36/18.2	SGR
20	1800	200	256T	CVWG20V2H2	$3,514	F2, W5, W7	DS-3CTSW	1.15	22.3	325	93.0	54	SGR
	1800	230/460	256T	CVWG20V2B2	$3,514	F2, W5, W7	DS-3CTSW	1.15	22.3	325	93.0	47/23.7	SGR
	1200	230/460	286T	CVWG20V3B2	$6,094	F2, W5, W7	DS-3CTSW	1.15	24.8	410	91.7	48/24	SGR
25	1800	230/460	284T	CVWG25V2B2	$4,607	F2, W5, W7	DS-3CTSW	1.15	24.8	365	93.6	58/29.2	SGR
	1200	230/460	324T	CVWG25V3B2	$8,179	F2, W5, W7	DS-3CTSW	1.15	27.5	605	93.0	59/29.3	SGR
30	1800	230/460	286T	CVWG30V2B2	$4,836	F2, W5, W7	DS-3CTSW	1.15	24.8	410	93.6	69/34	SGR
	1200	230/460	326T	CVWG30V3B2	$8,602	F2, W5, W7	DS-3CTSW	1.15	27.5	605	93.0	70/35	SGR
40	1800	230/460	324T	CVWG40V2B2	$6,059	F2, W5, W7	DS-3CTSW	1.15	27.5	605	94.1	92/46	SGR
	1200	230/460	364T	CVWG40V3B2	$10,735	F2, W5, W7	DS-3CTSW	1.15	29.6	740	94.1	94/47	SGR
50	1800	230/460	326T	CVWG50V2B2	$6,973	F2, W5, W7	DS-3CTSW	1.15	27.5	605	94.5	112/56	SGR
	1200	230/460	365T	CVWG50V3B2	$12,424	F2, W5, W7	DS-3CTSW	1.15	29.6	910	94.1	117/59	SGR
60	1800	230/460	364T	CVWG60V2B2	$9,168	F2, W5, W7	DS-3CTSW	1.15	29.6	740	95.0	137/68	SGR
	1200	230/460	404T	CVWG60V3B2	$16,553	F2, W5, W7	DS-3CTSW	1.15	33.8	960	94.5	140/70	SGR
75	1800	230/460	365T	CVWG75V2B2	$10,540	F2, W5, W7	DS-3CTSW	1.15	29.6	910	95.4	170/85	SGR
	1200	230/460	405T	CVWG75V3B2	$19,090	F2, W5, W7	DS-3CTSW	1.15	33.8	990	94.5	178/89	SGR
100	1800	230/460	405T	CVWG100V2B2	$15,574	F2, W5, W7	DS-3CTSW	1.15	33.8	1000	95.4	229/115	SGR

Minimum Air Velocity Required for TEAO Models

Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
2	1000	580
3	1000	600
5	1054	700
7.5	1023	650
10	975	600
15	1500	650
20	1700	850

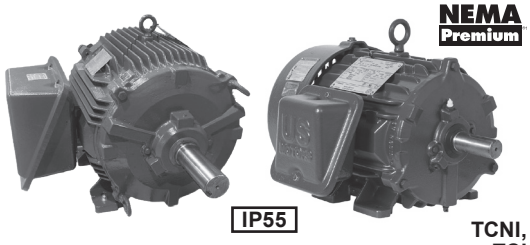
Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
25	1500	950
30	1600	1000
40	1700	1100
50	1800	1150
60	1800	1150
75	2000	1300
100	2000	1300

*Note: Use 1/2 of these velocities for 8 Pole (900 RPM). Use the above velocities for 50 Hz motors (Customer to make adjustments for lower motor speed in order to maintain fan speed).

Note SGR Shaft Grounding Ring

Stock World Motor Cooling Tower Duty Three Phase, TEAO & TEFC Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

(continued)



TCNI, TCI

Totally Enclosed Fan Cooled (TEFC)

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)"	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1800	230/460	145T	CW2V2E2	$698	F2	DS-3CTSW	1.15	13.5	80	86.5	5.3/2.7	
	1200	230/460	184T	CW2V3E2	$1,290	F2	DS-3CTSW	1.15	16.3	100	88.5	6.2/3.1	
3	1800	200	182T	CW3V2H2	$1,050	F2	DS-3CTSW	1.15	16.3	100	89.5	8.8	
	1800	230/460	182T	CW3V2E2	$1,050	F2	DS-3CTSW	1.15	16.3	100	89.5	7.8/3.9	
	1800	230/460	182T	CWG3V2E2	$1,375	F2	DS-3CTSW	1.15	16.3	110	89.5	7.8/3.9	SGR
	1800	575	182T	CW3V2G2	$1,050	F2	DS-3CTSW	1.15	16.3	100	89.5	3.1	
	1200	230/460	213T	CW3V3E2	$1,942	F2	DS-3CTSW	1.15	19.6	170	90.2	8.6/4.3	
5	1800	200	184T	CW5V2H2	$1,095	F2	DS-3CTSW	1.15	16.3	110	89.5	14.5	
	1800	230/460	184T	CW5V2E2	$1,095	F2	DS-3CTSW	1.15	16.3	110	89.5	12.7/6.3	
	1800	230/460	184T	CWG5V2E2	$1,420	F2	DS-3CTSW	1.15	16.3	120	89.5	12.7/6.3	SGR
	1800	575	184T	CW5V2G2	$1,095	F2	DS-3CTSW	1.15	16.3	110	89.5	5.1	
	1200	230/460	215T	CW5V3E2	$2,026	F2	DS-3CTSW	1.15	19.6	180	90.2	14.2/7.1	
7 1/2	1800	200	213T	CW7V2H2	$1,509	F2	DS-3CTSW	1.15	19.6	170	91.7	22	
	1800	230/460	213T	CW7V2E2	$1,509	F2	DS-3CTSW	1.15	19.6	170	91.0	19.1/9.6	
	1800	230/460	213T	CWG7V2E2	$1,834	F2	DS-3CTSW	1.15	19.6	170	91.7	19.1/9.6	SGR
	1800	575	213T	CW7V2G2	$1,509	F2	DS-3CTSW	1.15	19.6	170	91.7	7.8	
	1200	230/460	254T	CW7V3E2	$2,791	F2	DS-3CTSW	1.15	24.9	250	91.0	18.8/9.4	
10	1800	200	215T	CW10V2H2	$1,786	F2	DS-3CTSW	1.15	19.6	180	91.7	29.3	
	1800	230/460	215T	CW10V2E2	$1,786	F2	DS-3CTSW	1.15	19.6	180	91.7	25.7/12.8	
	1800	230/460	215T	CWG10V2E2	$2,111	F2	DS-3CTSW	1.15	19.6	180	91.7	25.7/12.8	SGR
	1800	575	215T	CW10V2G2	$1,786	F2	DS-3CTSW	1.15	19.6	180	91.7	10.3	
	1200	230/460	256T	CW10V3E2	$3,304	F2	DS-3CTSW	1.15	24.9	280	91.7	24.9/12.4	
15	1800	200	254T	CW15V2H2	$2,563	F2	DS-3CTSW	1.15	24.9	270	92.4	41	
	1800	230/460	254T	CW15V2E2	$2,563	F2	DS-3CTSW	1.15	24.9	270	92.4	36/18	
	1800	230/460	254T	CWG15V2E2	$2,913	F2	DS-3CTSW	1.15	24.9	285	92.4	36/18	SGR
	1800	575	254T	CW15V2G2	$2,563	F2	DS-3CTSW	1.15	24.9	270	92.4	14.5	
20	1800	200	256T	CW20V2H2	$2,932	F2	DS-3CTSW	1.15	24.9	300	93.0	55	
	1800	230/460	256T	CW20V2E2	$2,932	F2	DS-3CTSW	1.15	24.9	300	93.0	47/23.7	
	1800	230/460	256T	CWG20V2E2	$3,282	F2	DS-3CTSW	1.15	24.9	315	93	47/23.7	SGR
	1800	575	256T	CW20V2G2	$2,932	F2	DS-3CTSW	1.15	24.9	300	93.0	18.9	
25	1800	200	284T	CW25V2H2	$3,981	F2	DS-3CTSW	1.15	27.5	385	93.6	67	
	1800	230/460	284T	CW25V2E2	$3,981	F2	DS-3CTSW	1.15	27.5	380	93.6	58/29.2	
	1800	230/460	284T	CWG25V2E2	$4,346	F2	DS-3CTSW	1.15	27.5	375	93.6	58/29.2	SGR
	1800	575	284T	CW25V2G2	$3,981	F2	DS-3CTSW	1.15	27.5	380	93.6	23.3	
30	1800	230/460	286T	CW30V2E2	$4,203	F2	DS-3CTSW	1.15	27.5	410	93.6	70/35	
	1800	230/460	286T	CWG30V2E2	$4,568	F2	DS-3CTSW	1.15	27.5	385	93.6	70/35	SGR
	1800	575	286T	CW30V2G2	$4,203	F2	DS-3CTSW	1.15	27.5	410	93.6	28.1	
40	1800	230/460	324T	CW40V2E2	$5,307	F2	DS-3CTSW	1.15	30.1	600	94.1	92/46	
	1800	230/460	324T	CWG40V2E2	$5,685	F2	DS-3CTSW	1.15	30.1	515	94.1	92/46	SGR
	1800	575	324T	CW40V2G2	$5,307	F2	DS-3CTSW	1.15	30.1	600	94.1	37	
50	1800	230/460	326T	CW50V2E2	$6,193	F2	DS-3CTSW	1.15	30.1	625	94.5	112/56	
	1800	230/460	326T	CWG50V2E2	$6,571	F2	DS-3CTSW	1.15	30.1	615	94.5	112/56	SGR
	1800	575	326T	CW50V2G2	$6,193	F2	DS-3CTSW	1.15	30.1	625	94.5	45	
60	1800	230/460	364T	CW60V2E2	$8,297	F2	DS-3CTSW	1.15	32.3	740	95.0	137/68	
	1800	230/460	364T	CWG60V2E2	$8,717	F2	DS-3CTSW	1.15	32.3	715	95	137/68	SGR
	1800	575	364T	CW60V2G2	$8,297	F2	DS-3CTSW	1.15	32.3	910	95.0	55	
75	1800	230/460	365T	CW75V2E2	$9,628	F2	DS-3CTSW	1.15	32.3	910	95.4	170/85	

Note SGR Shaft Grounding Ring

General Purpose Single Phase Motors

Horsepower: 1/12 – 10 HP

RPM: 3600, 1800, 1200, 900 RPM
(Some Two Speed Ratings Available)

Voltage: Operable on 115, 208
or 230 Volts, 60 Hz

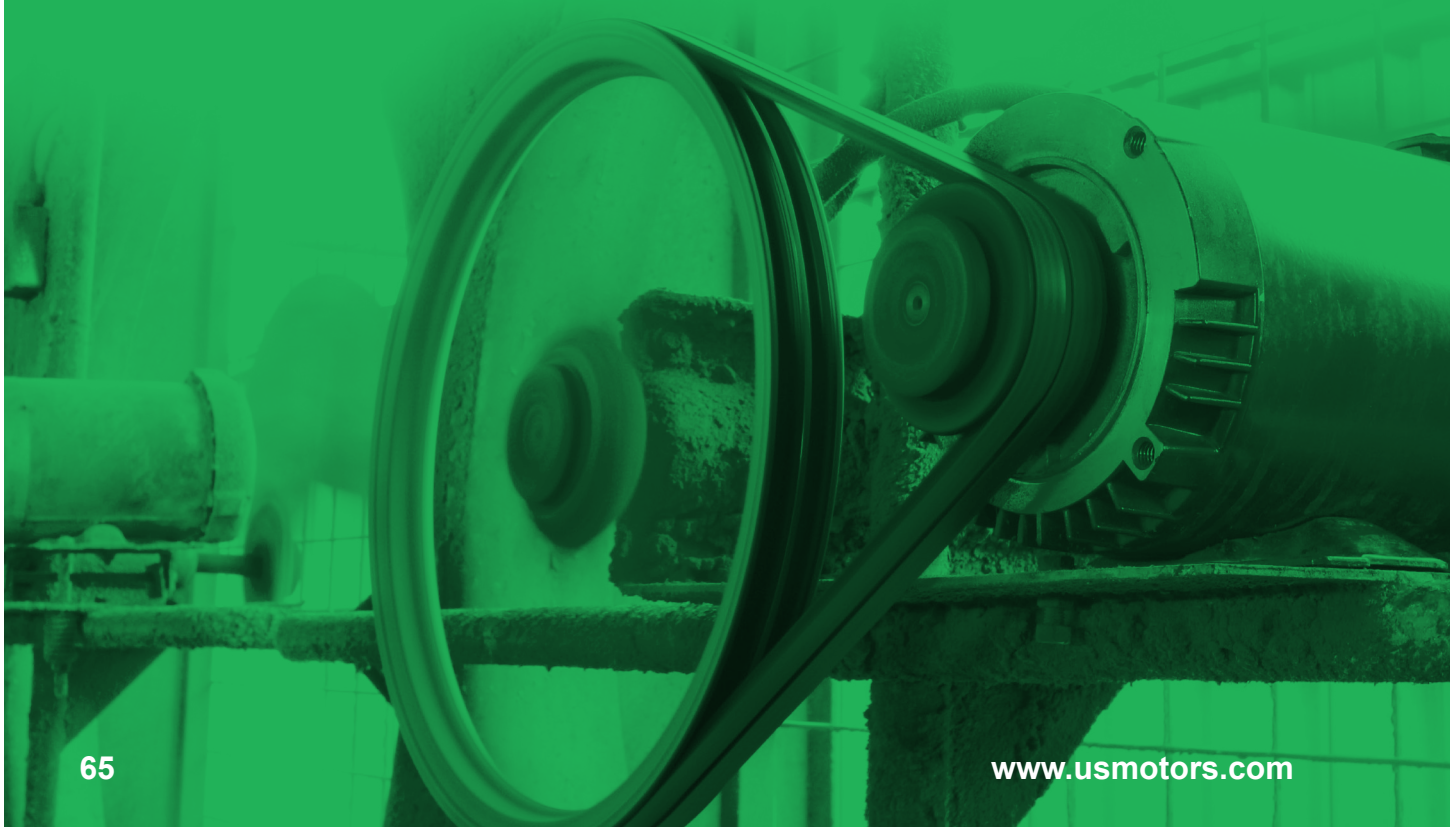
Construction: Rolled Steel Frame

Bearings: Ball or Sleeve Bearings

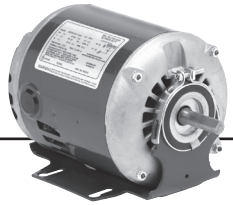
Ambient: 40°C Rated

Thermal Overload:
- Automatic Reset Thermal Overload Protector
- Manual Reset Thermal Overload Protector
- Non-Protected

Agency: UL®† Recognized and
CSA®† Certified



General Purpose Single Phase
Open Drip Proof (ODP) Split Phase



APPLICATIONS:

For commercial and industrial ventilation systems.

FEATURES:

- 40°C Ambient
- 60 Hertz
- Reversible Rotation
- Continuous Duty
- Class A or B Insulation
- Ball Bearing
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

Single Speed, Rigid Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Shaft Dim. (inches)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115	48Z	D14B2N4Z	$119	DS-3FMP	1/2" x 2.25"	1.35	9.8	13	5.3	25
	1800	115	56Z	2910	$121	DS-3FMP	1/2" x 1.5"	1.00	9.4	23	5.4	
1/3	1800	115	48	D13B2N4A	$146	DS-3FMP	1/2" x 1.5"	1.00	8.6	16	6.8	25
	1800	115	48	D13BA2N4A	$195	DS-3FMP	1/2" x 1.5"	1.35	8.6	16	6.0	25
	1800	115	48Z	D13B2N4Z	$122	DS-3FMP	1/2" x 2.25"	1.35	9.8	14	7.0	25
	1800	115	56Z	2911	$231	DS-3FMP	1/2" x 1.5"	1.00	9.0	17	6.0	25
1/2	1800	115	56	1366	$351	DS-3FMP	5/8" x 1.875"	1.25	10.3	16	8.9	25
	1800	115	56	D12BM2N	$284	DS-3FMP	5/8" x 1.875"	1.25	9.9	16	8.9	23
	1800	115	48	D12B2N4	$234	DS-3FMP	1/2" x 1.5"	1.00	9.5	22	8.8	25

Two Speed, Resilient Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Shaft Dim. (inches)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3 / 1/9	1800/1200	115	56Z	3053	$327	DS-3FMP	1/2" x 1.5"	1.00	10.0	19	7.1	25
1/2 & 1/6	1800/1200	115	56	3306	$420	DS-3FMP	5/8" x 1.875"	1.00	10.8	26	9.2/5.2	25
1/3 / 1/9	1800/1200	115	48	D13B10N49	$229	DS-3FMP	1/2" x 1.5"	1.00	10.4	17	6.4/4.0	20,25

Single Speed, Resilient Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Shaft Dim. (inches)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/6	1800	115	48Z	D16B2N4Z9	$169	DS-3FMP	1/2" x 1.875"	1.35	9.3	12	4.2	25
	1200	115	48Z	D16B3N4Z9	$274	DS-3FMP	1/2" x 1.875"	1.35	10.3	15	4.5	20,25
1/4	1800	115	48	D14B2N49	$143	DS-3FMP	1/2" x 1.5"	1.35	8.4	22	5.1	20,25
	1800	115	56Z	D14B2NZA9	$172	DS-3FMP	1/2" x 1.5"	1.00	9.4	15	5.4	20,25
	1200	115	56	D14B3N9	$326	DS-3FMP	5/8" x 1.875"	1.35	10.8	22	5.5	21,25
	1200	208-230	56	7998	$379	DS-3FMP	5/8" x 5.9"	1.35	14.0	25	2.9	24
1/3	1800	115	48	D13B2N4A9	$152	DS-3FMP	1/2" x 1.5"	1.00	9.4	15	6.8	25
	1800	115	48Z	D13B2N4Z9	$207	DS-3FMP	1/2" x 1.875"	1.35	9.8	22	7.0	25
	1800	115	56Z	D13B2NZA9	$172	DS-3FMP	1/2" x 1.875"	1.00	9.8	15	6.0	25
	1800	230	48	D13B2K4A9	$167	DS-3FMP	1/2" x 1.5"	1.00	9.4	15	3.0	25
	1200	115/230	56	D13B3P9	$379	DS-3FMP	5/8" x 1.875"	1.35	10.3	25	7.5/3.8	21,25
1/2	1800	115	56	6737	$315	DS-3FMP	5/8" x 1.875"	1.00	9.8	17	8.6	24
	1800	115	56	D12B2NA9	$241	DS-3FMP	5/8" x 1.875"	1.25	10.3	20	8.9	25
	1800	115	48Z	D12B2N49	$269	DS-3FMP	1/2" x 1.5"	1.00	9.9	18	8.8	25
	1800	115	56Z	D12B2NZA9	$222	DS-3FMP	1/2" x 1.875"	1.00	10.3	16	8.9	25
3/4	1800	115	56	D34B2N9	$295	DS-3FMP	5/8" x 1.875"	1.25	11.3	23	11.3	25

Note 20 Stud Extensions in 3 5/8" Square Pattern
Note 21 Stud Extensions in 4 3/16" Square Pattern
Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected

General Purpose Single Phase
Open Drip Proof (ODP) Resilient Base, Capacitor Start



APPLICATIONS:

For air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Class A or B Insulation
- Reversible Rotation
- 40°C Ambient
- 60 Hertz
- Continuous Duty
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

Single Speed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/6	900	115	48	3700	$555	DS-3FMP	1.35	8.9	23	4.5	25
1/4	1800	115/230	48	D14CPA2P49	$341	DS-3FMP	1.35	9.9	18	3.1/1.5	24
	1800	115/230	56	D14CP2P9	$285	DS-3FMP	1.35	10.3	14	3.1/1.5	25
	1800	115/230	56	D14CPA2P9	$333	DS-3FMP	1.35	10.3	14	3.1/1.5	24
	1200	115/230	56	D14CPA3P9	$472	DS-3FMP	1.35	11.8	19	3.70/1.86	24
	1200	115/230	56	D14CPM3P9	$457	DS-3FMP	1.35	10.8	22	3.70/1.86	23
1/3	3600	115/208-230	56	D13CA1J9	$281	DS-3FMP	1.35	10.4	19	6/2.9-3.0	24
	1800	115/230	48	D13CP2P49	$346	DS-3FMP	1.35	9.9	17	3.8/1.9	25
	1800	115/230	48	D13CPA2P49	$378	DS-3FMP	1.35	9.9	18	3.8/1.9	24
	1800	115/230	56	D13CPA2P9	$370	DS-3FMP	1.35	10.3	18	3.8/1.9	24
	1800	115/230 & 110/220	48	D13CP2Z49	$312	DS-3FMP	1.35	10.3	18	3.8/1.9	25
	1200	115/230	56H	D13CP3PH9	$507	DS-3FMP	1.35	11.3	26	4.4/2.3	25
	1200	115/230	56H	D13CPA3P9	$525	DS-3FMP	1.35	11.3	26	4.4/2.3	24
	1200	115/230	56H	D13CPM3P9	$515	DS-3FMP	1.35	11.3	26	4.4/2.3	23
	900	115/230	56	D13C4P9	$816	DS-3FMP	1.35	12.8	39	8.7/4.3	25
1/2	3600	115/230	48	D12CP1P49	$227	DS-3FMP	1.25	9.9	19	5.0/2.5	25
	1800	115/230	48	D12CP2P49	$283	DS-3FMP	1.25	9.9	22	5.0/2.6	25
	1800	115/230	48	D12CPA2P49	$330	DS-3FMP	1.25	9.9	14	5.0/2.6	24
	1800	115/230	56H	D12CP2PH9	$360	DS-3FMP	1.25	11.3	14	5.0/2.6	25
	1800	115/230	56H	D12CPA2PH9	$378	DS-3FMP	1.25	11.3	15	5.0/2.6	24
	1200	115/230	56H	D12CP3PH9	$590	DS-3FMP	1.25	12.3	36	4.8/2.4	25
	1200	115/230	56H	D12CPA3PH9	$685	DS-3FMP	1.25	12.3	36	4.8/2.4	24
3/4	3600	115/230	56H	D34CPA1PH9	$340	DS-3FMP	1.25	11.8	24	7.0/3.6	24
	1800	115/230	56H	D34CP2PH9	$408	DS-3FMP	1.25	12.3	29	7.0/3.5	25
	1800	115/230	56H	D34CPA2PH9	$434	DS-3FMP	1.25	12.3	29	7.0/3.5	24
	1800	115/230	56	1660	$314	DS-3FMP	1.00	10.8	28	11.6/5.8	24
1	3600	115/230	56H	D1CP1PH9	$475	DS-3FMP	1.25	13.3	29	9.3/4.3	25
	3600	115/230	56H	D1CPA1PH9	$480	DS-3FMP	1.25	13.0	28	9.3/4.3	24
	1800	115/208-230	56H	D1CPA2JH9	$644	DS-3FMP	1.15	12.3	31	8.8/4.4-4.4	24
	1800	115/230	56H	D1CP2PH9	$486	DS-3FMP	1.15	12.0	32	8.8/4.4	25
	1800	115/230	56H	D1CPA2PH9	$644	DS-3FMP	1.15	12.3	31	8.8/4.4	24
	1800	115/230	56	D1CPA2P9	$644	DS-3FMP	1.15	12.3	31	8.8/4.4	24
	1200	115/230	56H	D1CPA3PH9	$878	DS-3FMP	1.15	13.1	45	8.9/4.6	24
1 1/2	3600	115/230	56H	D32CPA1PH9	$637	DS-3FMP	1.15	13.3	31	13.3/6.7	24
	1800	115/208-230	145T	D32C2J149	$566	DS-3SP	1.15	13.7	32	19.2/10.0-9.6	25
	1800	115/230	56H	D32CP2PH9	$622	DS-3F	1.15	13.0	24	13.4/6.7	25
	1800	115/230	56H	D32CPA2PH9	$787	DS-3FMP	1.15	12.3	41	13.4/6.7	24
2	3600	115/230	56H	D2CPA1PH9	$700	DS-3FMP	1.15	13.8	41	17.3/8.7	24
	1800	115/230	56H	D2CP2PH9	$765	DS-3FMP	1.15	13.5	46	17.0/8.5	25
	1800	115/230	56H	D2CPA2PH9	$995	DS-3FMP	1.15	13.5	46	17.0/8.5	24

Two Speed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3/4 / 1/4	1800	115 V	56	6311	$448	DS-3FMP	1.25	10.8	26	8.9/6.1	25
1 / 1/3	1800	208-230 V	56	6316	$501	DS-3FMP	1.15	11.8	32	7.4-7.4/4.0-4.3	25

Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected

General Purpose Single Phase
Open Drip Proof (ODP) Rigid Base, Capacitor Start



APPLICATIONS:

For air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings
- Rigid Base Standard
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- F1 Assembly
- Reversible Rotation
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/230	48	D14CP2P4	$335	DS-3FMP	1.35	9.1	14	3.1/1.5	25
	1800	115/230	48	D14CPA2P4	$403	DS-3FMP	1.35	9.5	15	3.1/1.5	24
1/3	3600	115/230	48	D13CPA1P4	$333	DS-3FMP	1.35	9.1	21	3.7/1.8	24
	1800	115/208-230	56	D13CPM2P	$426	DS-3FMP	1.35	10.3	16	3.9/2.0-1.9	23
	1800	115/230	48	D13CP2P4	$395	DS-3FMP	1.35	9.1	17	3.8/1.9	25
	1800	115/230 & 110/220	48	D13CPA2Z4	$523	DS-3FMP	1.35	9.1	17	3.8/1.9	24
	1800	115/230 & 110/220	56	D13CP2P	$402	DS-3FMP	1.35	9.9	16	3.9/1.9 & 4.8/2.5	25
1/2	1800	115/230	48	D12CP2P4	$470	DS-3FMP	1.25	9.0	26	5.0/2.6	25
	1800	115/230	48	D12CPA2P4	$583	DS-3FMP	1.25	9.1	22	5.0/2.6	24
	1800	115/230	56	D12CP2P	$478	DS-3FMP	1.25	9.4	26	5.0/2.6	25
	1800	115/230	56	D12CPA2P	$486	DS-3FMP	1.25	10.9	26	5.0/2.6	24
	1800	115/230	56	D12CPM2P	$507	DS-3FMP	1.25	9.4	26	5.0/2.6	23
	1200	115/230	56H	D12CP3PH	$606	DS-3F	1.25	11.9	32	4.8/2.4	25
3/4	3600	115/230	56H	D34CP1PH	$398	DS-3FMP	1.25	11.4	32	7.0/3.6	25
	3600	115/230	56H	D34CPM1PH	$495	DS-3FMP	1.25	11.4	24	7.0/3.6	23
	1800	115/230	56H	D34CP2PH	$588	DS-3FMP	1.25	11.9	29	7.0/3.5	25
	1800	115/230	56H	D34CPA2PH	$602	DS-3FMP	1.25	11.9	29	7.0/3.5	24
	1800	115/230	56H	D34CPM2PH	$637	DS-3FMP	1.25	11.9	29	7.0/3.5	23
	1200	115/230	56H	D34CP3PH	$746	DS-3FMP	1.15	13.4	45	7.4/3.7	25
1	3600	115/230	56H	D1CP1PH	$533	DS-3FMP	1.25	12.9	29	9.3/4.3	25
	3600	115/230	56	D1CPM1PH	$560	DS-3FMP	1.25	11.4	29	9.3/4.3	23
	1800	115/208-230	143T	D1C2J14	$476	DS-3SP	1.15	12.3	32	14.8/7.5-7.3	25
	1800	115/208-230	143T	D1CA2J14	$515	DS-3SP	1.15	12.8	32	14.8/7.5-7.3	24
	1800	115/208-230	143T	D1CM2J14	$538	DS-3SP	1.15	12.3	32	14.8/7.5-7.3	23
	1800	115/230	182	D1C2P18Z	$843	DS-3SP	1.25	12.8	69	14.4/7.2	25
	1800	115/230	56H	D1CP2PH	$661	DS-3FMP	1.15	11.9	31	8.8/4.4	25
	1800	115/230	56H	D1CPA2PH	$671	DS-3FMP	1.15	11.9	31	8.8/4.4	24
	1800	115/230	56H	D1CPM2PH	$672	DS-3FMP	1.15	11.9	31	8.8/4.4	23
	1200	115/230	56H	D1CP3PH	$816	DS-3FMP	1.15	12.8	27	8.9/4.6	25
1 1/2	1800	115/230	56H	D32CPM2PH	$816	DS-3FMP	1.15	12.9	41	13.3/6.7	23
	3600	115/208-230	143T	D32C1J14	$474	DS-3FMP	1.15	12.3	32	18.6/9.8-9.3	25
	3600	115/208-230	56H	D32C1JH	$474	DS-3FMP	1.15	11.9	32	18.6/9.8-9.3	25,LA
	3600	115/230	56H	D32CPM1PH	$678	DS-3FMP	1.15	12.9	31	13.3/6.7	23
	1800	115/208-230	145T	D32C2J14	$632	DS-3SP	1.15	13.3	39	19.2/10.0-9.6	25
	1800	115/208-230	145T	D32CM2J14	$630	DS-3SP	1.15	13.3	39	19.2/10.0-9.6	23
	1800	115/230	184	D32C2P18Z	$955	DS-3SP	1.15	13.3	71	22.0/11.0	25
	1800	115/230	56H	D32CP2PH	$861	DS-3FMP	1.15	12.9	38	13.4/6.7	25
	1800	115/230	56H	D32CPA2PH	$876	DS-3FMP	1.15	12.9	38	13.4/6.7	24

Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected
Note LA Limited Availability

General Purpose Single Phase
Open Drip Proof (ODP) Rigid Base, Capacitor Start

(continued)



HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
2	3600	115/208-230	145T	D2C1J14	$714	DS-3SP	1.15	12.8	36	22.4/12.4-11.2	25
	3600	115/230	56H	D2CP1PH	$775	DS-3FMP	1.15	13.4	39	17.3/8.7	25
	1800	115/230	56H	D2CPM2PH	$1,018	DS-3FMP	1.15	13.1	46	17.0/8.5	23
	1800	115/208-230	145T	D2C2J14	$762	DS-3SP	1.15	13.8	42	20.0/11.3-10.0	25
	1800	115/208-230	145T	D2CA2J14	$792	DS-3SP	1.15	14.3	42	20.0/11.3-10.0	24
	1800	115/208-230	145T	D2CM2J14	$815	DS-3SP	1.15	14.0	42	20.0/11.3-10.0	23
	1800	115/230	182T	D2C2P18	$728	DS-3SP	1.15	14.8	70	23.2/11.6	25
	1800	115/230	213	D2C2P21Z	$1,212	DS-3SP	1.15	15.0	75	24.6/12.3	25
	1800	115/230	56H	D2CPA2PH	$987	DS-3FMP	1.15	13.1	46	17.0/8.5	24
3	3600	115/230	182T	D3C1P18	$982	DS-3SP	1.15	17.3	81	32.0/16.0	25
	3600	208-230	56	D3CPM1T	$888	DS-3FMP	1.15	13.2	42	13.2	23
	1800	115/230	184T	D3C2P18	$918	DS-3SP	1.15	15.8	76	38.0/19.0	25
5	3600	230	184T	D5C1K18	$1,011	DS-3SP	1.15	18.0	82	19.6	25
	1800	230	184T	D5C2K18	$1,389	DS-3SP	1.15	16.3	86	22.0	25
	1800	230	213T	D5C2K21	$1,394	DS-3SP	1.15	19.1	86	22.0	25
	1800	230	215	D5C2K21Z	$2,028	DS-3SP	1.15	19.1	86	22.0	25
7 1/2	3600	208/230	184T	D7C1K18	$1,138	DS-3SP	1.15	17.9	80	32.8/31.4	25
	3600	230	213T	D7C1K21	$1,265	DS-3SP	1.15	19.1	89	30.3	25
	1800	230	215T	D7C2K21	$1,596	DS-3SP	1.15	19.9	105	35.5	25
10	3600	230	215T	D10C1K21	$2,287	DS-3SP	1.15	20.6	92	40.0	25
	1800	230	215T	D10C2K21	$1,794	DS-3SP	1.15	19.9	153	42.2	25

Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected

General Purpose Single Phase
Open Drip Proof (ODP) C-Face, Capacitor Start



APPLICATIONS:

For air compressors, commercial duty pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings - Locked Drive End Bearings
- 50/60 Hz Motors Have 1.0 S.F. on 50 Hz
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- F1 Assembly
- Reversible Rotation
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	1800	115/230	56C	D12CP2PC	$567	DS-3FMP	1.25	9.9	23	5.0/2.6	25
3/4	1800	115/230	56HC	D34CP2PHC	$692	DS-3FMP	1.25	11.9	29	7.0/3.5	25
1	3600	115/230	56HC	D1CP1PHC	$516	DS-3FMP	1.25	12.9	29	9.3/4.3	25
	1800	115/208-230	143TC	D1C2J14C	$636	DS-3F	1.15	11.9	32	14.8/7.5-7.3	25
	1800	115/230	56HC	D1CP2PHC	$795	DS-3FMP	1.15	12.4	31	8.8/4.4	25
1 1/2	3600	115/208-230	56HC	D32C1JHC	$508	DS-3FMP	1.15	11.9	32	18.6/9.8-9.3	25,LA
	1800	115/230	56HC	D32CP2PHC	$836	DS-3FMP	1.15	13.4	37	13.4/6.7	25
2	1800	115/230	56HC	D2CP2PHC	$977	DS-3FMP	1.15	13.4	46	17.0/8.5	25

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1200	115	56C	D14B3NCR	$326	DS-3FMP	1.35	10.9	20	5.5	25
1/3	1800	115/230	56C	D13CP2PCR	$423	DS-3FMP	1.35	10.8	18	3.8/1.9	25
1/2	1800	115/230	56C	D12CP2PCR	$497	DS-3FMP	1.25	10.9	22	5.0/2.6	25
	1800	115/230	56C	D12CPA2PCR	$570	DS-3F	1.25	9.9	22	5.0/2.6	24
3/4	3600	115/208-230	56C	D34CA1JCR	$388	DS-3FMP	1.25	11.4	32	10.4/5.3-5.2	24,LA
	3600	115/230	56C	D34CPM1PCR	$516	DS-3FMP	1.25	11.4	24	7.0/3.6	23
	1800	115/230	56C	D34CP2PCR	$610	DS-3FMP	1.25	11.9	29	7.0/3.5	25
	1800	115/230	56C	D34CPA2PCR	$690	DS-3FMP	1.25	13.0	29	7.0/3.5	24
1	3600	115/230	56C	D1CPA1PCR	$560	DS-3FMP	1.25	12.9	29	9.3/4.3	24
	1800	115/230	56C	D1CP2PCR	$662	DS-3FMP	1.15	13.0	31	8.8/4.4	25
1 1/2	1800	115/230	56H	D32CP2PCR	$693	DS-3FMP	1.15	12.9	37	13.4/6.7	25
2	1800	115/230	56C	D2CP2PCR	$990	DS-3FMP	1.15	13.4	42	17.0/8.5	25

Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected
Note LA Limited Availability

General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) Rigid Base



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- Capacitor Start, Induction Run
- F1 Assembly
- Reversible Rotation
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	48	T14CM2J4	$397	DS-3FMP	1.15	10.3	22	6.6/2.9-3.3	23
	1800	115/230	48YZ	T14C2P4ZS	$355	DS-3FMP	1.15	11.4	18	5.3/2.7	25
	1200	115/208-230	56	T14C3J	$541	DS-3FMP	1.15	11.4	23	6.4/3.0-3.2	25
1/3	3600	115/208-230	48	T13C1J4	$264	DS-3FMP	1.15	10.8	19	5.5/2.7-2.8	25
	1800	115/208-230	56	T13C2J	$362	DS-3FMP	1.15	10.6	22	6.6/2.9-3.3	25
	1800	115/208-230	56	T13CM2J	$386	DS-3FMP	1.15	10.7	22	6.6/3.0-3.3	23
	1200	115/208-230	56	T13C3J	$523	DS-3FMP	1.15	11.4	32	6.8/3.4-3.4	25
1/2	3600	115/208-230	56	T12CM1J	$324	DS-3FMP	1.15	11.6	19	8.0/3.8-4.0	23
	1800	100-120 & 200-240	56	6174	$468	DS-3FMP	1.25	12.0	27	6.3-5.6/3.1-2.8	25
	1800	115/208-230	48	T12C2J4	$415	DS-3FMP	1.15	11.3	22	9/4.3-4.5	25
	1800	115/208-230	56	T12C2J	$422	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	25
	1800	115/208-230	56	T12CA2J	$465	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	24
	1800	115/208-230	56	T12CM2J	$474	DS-3FMP	1.15	11.4	28	9.0/4.3-4.5	23
	1200	115/208-230	56	T12C3J	$742	DS-3FMP	1.15	12.4	37	10.4/5.1-5.2	25
3/4	3600	115/208-230	56	T34C1J	$345	DS-3FMP	1.15	11.9	25	10.4/5.3-5.2	25
	3600	115/208-230	56	T34CA1J	$425	DS-3FMP	1.15	11.9	32	10.4/5.3-5.2	24
	3600	115/208-230	56	T34CM1J	$408	DS-3FMP	1.15	11.9	25	10.4/5.3-5.2	23
	1800	100-120 & 200-240	56	T34C2Z	$556	DS-3FMP	1.25	12.4	32	9.2-8.4/4.6-4.2	25
	1800	115/208-230	56	T34C2J	$512	DS-3FMP	1.15	11.9	33	11.4/5.7-5.7	25
	1800	115/208-230	56	T34CA2J	$521	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	24
	1800	115/208-230	56	T34CM2J	$535	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	23
	1200	115/208-230	56H	T34C3JH	$932	DS-3FMP	1.15	13.4	39	10.6/5.4-5.3	25
1	3600	115/208-230	56	T1C1J	$455	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	25
	3600	115/208-230	56	T1CA1J	$498	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	24
	3600	115/208-230	56	T1CM1J	$473	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	23
	1800	100-120 & 200-240	56	T1C2Z	$641	DS-3FMP	1.15	13.4	32	11.0-9.2/5.5-4.7	25
	1800	115/208-230	143T	T1CA2J14	$614	DS-3SP	1.15	13.0	32	14.0/6.9-7.0	24
	1800	115/208-230	143T	T1CM2J14	$630	DS-3SP	1.15	12.8	32	14.0/6.9-7.0	23
	1800	115/208-230	56H	T1C2JH	$554	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	56H	T1CA2JH	$591	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	24
	1800	115/208-230	56H	T1CM2JH	$577	DS-3FMP	1.15	12.4	40	14.0/6.9-7.0	23
	1800	115/208-230	143T	T1C2J14	$576	DS-3SP	1.15	12.8	32	14.0/6.9-7.0	25
	1200	115/208-230	56H	T1C3JH	$1,081	DS-3FMP	1.15	13.9	44	12.6/6.6-6.3	25
1 1/2	3600	115/208-230	143T	T32C1J14	$568	DS-3FMP	1.15	13.3	34	14.6/8.1-7.4	25
	3600	115/208-230	56H	T32CM1JH	$637	DS-3FMP	1.15	12.9	34	14.6/8.1-7.4	23
	3600	115/208-230	56H	T32C1JH	$568	DS-3FMP	1.15	12.9	32	14.6/8.1-7.4	25
	1800	115/208-230	145T	T32C2J14	$580	DS-3SP	1.15	14.3	41	14.4/8.0-7.2	25
	1800	115/208-230	145T	T32CA2J14	$619	DS-3SP	1.15	14.3	40	14.4/8.0-7.2	24
	1800	115/208-230	56H	T32C2JH	$633	DS-3FMP	1.15	13.9	30	14.4/8.0-7.2	25
	1800	115/208-230	56H	T32CA2JH	$646	DS-3FMP	1.15	13.9	41	14.4/8.0-7.2	24
	1800	115/208-230	56H	T32CM2JH	$650	DS-3FMP	1.15	13.9	28	14.4/8.0-7.2	23
	1800	115/230	184	T32C2P18Z	$1,083	DS-3SP	1.00	15.1	79	18.4/9.2	25

Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected

General Purpose Single Phase, Capacitor Start
Totally Enclosed Fan Cooled (TEFC) Rigid Base

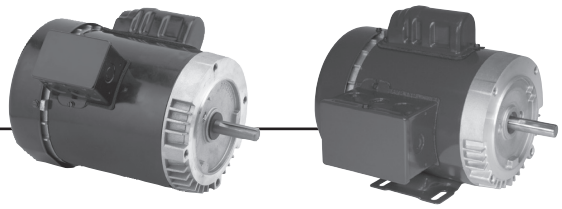
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HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
2	3600	115/208-230	145T	T2C1J14	$744	DS-3FMP	1.15	13.8	41	19.5/10.8-9.7	25
	3600	115/208-230	145T	T2CM1J14	$813	DS-3FMP	1.15	13.8	40	19.5/10.8-9.7	23
	3600	115/208-230	56H	T2C1JH	$744	DS-3FMP	1.15	13.4	40	19.5/10.8-9.7	25
	3600	115/208-230	56H	T2CM1JH	$813	DS-3FMP	1.15	13.4	39	19.5/10.8-9.7	23
	1800	115/208-230	145T	T2C2J14	$838	DS-3SP	1.15	14.3	54	18.9/10.3-9.4	25
	1800	115/208-230	145T	T2CA2J14	$877	DS-3SP	1.00	14.8	54	18.9/10.3-9.4	24
	1800	115/208-230	145T	T2CM2J14	$901	DS-3SP	1.00	14.3	54	18.9/10.3-9.4	23
	1800	115/208-230	56H	T2C2JH	$838	DS-3FMP	1.15	13.9	54	18.9/10.3-9.4	25
	1800	115/208-230	56H	T2CA2JH	$877	DS-3FMP	1.00	14.4	54	18.9/10.3-9.4	24
	1800	115/208-230	56H	T2CM2JH	$901	DS-3FMP	1.00	13.9	54	18.9/10.3-9.4	23
	1800	115/230	182T	T2C2P18	$818	DS-3SP	1.00	15.2	50	23.6/11.8	18,25
	1800	115/230	213	T2C2P21Z	$1,336	DS-3SP	1.00	17.6	72	24.0/12.0	18,25
3	3600	115/230	182T	T3C1P18	$1,008	DS-3SP	1.00	16.6	83	32.0/16.0	18,25
	1800	115/230	184T	T3C2P18	$954	DS-3SP	1.00	17.7	121	30.0/15.0	18,25
5	3600	230	184T	T5C1K18	$1,363	DS-3SP	1.00	17.4	91	19.6	18,25
	1800	230	213T	T5C2K21	$1,139	DS-3SP	1.00	19.6	121	23.0	18,25
	1800	230	215	T5C2K21Z	$2,301	DS-3SP	1.00	19.6	90	20.0	18,25
7 1/2	3600	230	213T	T7C1K21	$1,789	DS-3SP	1.00	20.0	92	30.3	18,25
	1800	230	215T	T7C2K21	$1,815	DS-3SP	1.00	22.0	90	30.0	18,25

Note 18 Incorporates Run Capacitor
Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected

General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) C-Face



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- Capacitor Start, Induction Run
- F1 Assembly
- Reversible Rotation
- 50/60 Hz Motors Have 1.0 S.F. on 50 Hz
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

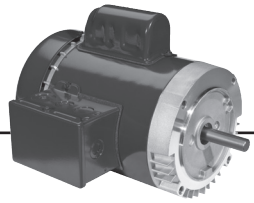
Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	56C	T14C2JC	$390	DS-3F	1.15	11.1	22	6.5/2.8-3.2	25
1/3	1800	115/208-230	56C	T13C2JC	$380	DS-3F	1.15	11.0	19	6.6/3-3.3	25
1/2	1800	100-120 & 200-240	56C	6212	$565	DS-3FMP	1.25	12.0	25	6.3-5.6/3.1-2.8	18,24,98
	1800	115/208-230	56C	T12C2JC	$482	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	25
3/4	3600	115/208-230	56C	T34C1JC	$417	DS-3FMP	1.15	11.9	32	10.4/.5.3-5.2	25
	1800	100-120 & 200-240	56C	6214	$691	DS-3FMP	1.25	12.0	32	9.2-8.4/4.6-4.2	24
	1800	115/208-230	56C	T34C2JC	$585	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	25
1	3600	115/208-230	56C	T1C1JC	$489	DS-3FMP	1.15	12.4	26	13.6/6.9-6.8	25
	1800	100-120 & 200-240	56C	T1CA2ZC	$730	DS-3FMP	1.15	13.4	30	11.0-9.2/5.5-4.7	
	1800	100-120 & 200-240	56C	T1CM2ZC	$760	DS-3FMP	1.15	13.4	38	11.0-9.2/5.5-4.7	
	1800	115/208-230	143TC	T1C2J14C	$621	DS-3F	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	56HC	T1C2JHC	$621	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
1 1/2	3600	115/208-230	56HC	T32C1JHC	$603	DS-3FMP	1.15	12.9	42	14.6/8.1-7.4	25
	1800	115/208-230	145TC	T32C2J14C	$731	DS-3F	1.15	13.9	45	14.4/8.0-7.2	25
	1800	115/208-230	56HC	T32C2JHC	$736	DS-3FMP	1.15	13.9	41	14.4/8.0-7.2	25
2	3600	115/208-230	145TC	T2C1J14C	$778	DS-3FMP	1.15	13.4	43	19.5/10.8-9.7	25
	1800	115/208-230	145TC	T2C2J14C	$846	DS-3FMP	1.15	13.9	46	18.9/10.3-9.4	18,25
	1800	115/208-230	56HC	T2C2JHC	$846	DS-3FMP	1.15	13.9	43	18.9/10.3-9.4	18,25
5	3600	230	184TC	T5C1K18C	$1,397	DS-3SP	1.00	17.3	91	19.6	18,25

Note 18 Incorporates Run Capacitor
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected
Note 98 50/60 Hertz

General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) C-Face

(continued)



Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	56C	T14C2JCR	$330	DS-3F	1.15	11.0	22	6.5/2.8-3.2	25
	1200	115/208-230	56C	T14C3JCR	$314	DS-3F	1.15	11.4	32	6.4/3.0-3.2	25
1/3	1800	115/208-230	56C	T13C2JCR	$380	DS-3F	1.15	11.0	22	6.6/3.0-3.3	25
	1800	115/208-230	56C	T13CA2JCR	$380	DS-3FMP	1.15	11.0	22	6.6/3.0-3.3	24
	1800	115/230	42CZ	T13C2P42ZCR	$394	DS-3FMP	1.00	11.6	21	6.2/3.1	25
1/2	3600	115/208-230	56C	T12CA1JCR	$358	DS-3FMP	1.15	12.0	18	8.0/3.8-4.0	24
	1800	100-120 & 200-240	56C	T12C2ZCR	$592	DS-3FMP	1.25	12.0	25	6.3-5.6/3.1-2.8	18,25,98
	1800	115/208-230	56C	T12C2JCR	$439	DS-3FMP	1.15	12.4	32	9.0/4.3-4.5	25
	1800	115/208-230	56C	T12CA2JCR	$496	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	24
	1800	115/208-230	56C	T12CM2JCR	$462	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	23
	1200	115/208-230	56C	T12C3JCR	$828	DS-3FMP	1.15	12.4	32	10.4/5.1-5.2	25
3/4	3600	115/208-230	56C	T34CA1JCR	$451	DS-3FMP	1.15	11.9	32	10.4/5.3-5.2	24
	1800	100-120 & 200-240	56C	T34C2ZCR	$699	DS-3FMP	1.25	12.4	23	9.2-8.4/4.6-4.2	18,25,98
	1800	115/208-230	56C	T34C2JCR	$527	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	25
	1800	115/208-230	56C	T34CA2JCR	$582	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	24
	1800	115/208-230	56C	T34CM2JCR	$551	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	23
	1200	115/208-230	56C	T34C3JCR	$932	DS-3FMP	1.15	13.4	28	10.6/5.4-5.3	18,25
1	3600	115/208-230	56C	T1CA1JCR	$524	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	24
	1800	115/208-230	143TC	T1C2J14CR	$638	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	143TC	T1CA2J14CR	$677	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	24
	1800	115/208-230	143TC	T1CM2J14CR	$700	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	23
	1800	115/208-230	56C	T1C2JCR	$571	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	56C	T1CA2JCR	$610	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	24
	1200	115/208-230	56C	T1C3JCR	$1,011	DS-3FMP	1.15	13.9	44	12.6/6.6-6.3	25
1 1/2	3600	115/208-230	143TC	T32C1J14CR	$637	DS-3SP	1.15	12.9	32	14.6/8.1-7.4	25
	3600	115/208-230	56C	T32CA1JCR	$637	DS-3FMP	1.15	12.9	32	14.6/8.1-7.4	24
	1800	115/208-230	145TC	T32C2J14CR	$723	DS-3SP	1.15	13.9	47	14.4/8.0-7.2	25
	1800	115/208-230	56C	T32C2JCR	$650	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	25
	1800	115/208-230	56C	T32CA2JCR	$689	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	24
	1800	115/208-230	56C	T32CM2JCR	$712	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	23
2	3600	115/208-230	145C	T2C1J14CR	$813	DS-3SP	1.15	12.9	34	19.5/10.8-9.7	25
	1800	115/208-230	145TC	T2C2J14CR	$969	DS-3SP	1.15	13.9	46	18.9/10.3-9.4	25
	1800	115/208-230	145TC	T2CA2J14CR	$1,008	DS-3SP	1.00	14.4	40	18.9/10.3-9.4	24
	1800	115/208-230	56C	T2C2JCR	$739	DS-3FMP	1.15	13.9	31	18.9/10.3-9.4	25
	1800	115/208-230	56C	T2CA2JCR	$778	DS-3FMP	1.00	14.4	31	18.9/10.3-9.4	24
	1800	115/208-230	56C	T2CM2JCR	$801	DS-3FMP	1.00	13.9	31	18.9/10.3-9.4	23

Note 18 Incorporates Run Capacitor
Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected
Note 98 50/60 Hertz

Agriculture Motors

Horsepower: 1/4 – 30 HP

Phase: Single and Three Phase

RPM: 3600 or 1800 RPM

Voltage:
- Single Phase, 115, 115/230, or 230 Volts, 60 Hz
- Three Phase, 230/460 Volts, 60 Hz

Enclosure: Totally Enclosed, Air Over (TEAO) & Totally Enclosed, Fan Cooled (TEFC) Options

Construction: Rolled steel or aluminum frame

Conduit Box: Varies based on motor size and end use design

Bearings: Ball bearings

Grease: Mobil 28®† Low Temperature Grease Standard in High Torque and Ultra High Torque Agri Duty motors

Ambient: 40°C Rated

Thermal Overload:
- High Torque and Ultra High Torque available with manual reset overload protectors
- Motors available with automatic reset overload protectors or thermostats



Special Application Agriculture Single Phase, Totally Enclosed Fan Cooled (TEFC), Ultra High Torque, Capacitor Start



APPLICATIONS:

For powering agitators, augers, compressors, conveyors, feeders and hay hoists.
High torque motors are used on barn cleaners, manure pumps and silo unloaders.

FEATURES:

- Class F Insulation
- 40°C Ambient, Continuous Duty
- Typical Starting Torque 300% Of Full Load
- F1 Assembly
- Extruded Aluminum Frame (180-210 Frame)
- Manual Reset Thermal Overload Protector
- Plastic Fan & Fan Cover
- Double Shielded Bearings w/Low-Temp Grease (Regreasable Shaft End)
- Removable Condensation Drains For Vertical Mounting
- Fully Gasketed Steel Conduit Box
- Die Cast Aluminum Brackets With Steel Bearing Inserts
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1 1/2	1800	115/230	143T	FDU32CM2P14	$521	DS-3SP	1.15	14.8	47	19.2/10.1	23
2	1800	115/230	182TZ	FDU2CM2P18Z	$823	DS-3SP	1.15	16.8	66	25.6/12.8	23
3	1800	230	184T	FDU3CM2K18	$1,101	DS-3SP	1.15	18.8	80	17.0	23
5	1800	230	184T	FDU5CM2K18	$1,378	DS-3SP	1.15	18.8	80	24.0	23
	1800	230	215TZ	FDU5CM2K21Z	$1,524	DS-3SP	1.15	20.1	142	29.0	23
7 1/2	1800	230	215T	FDU7CM2K21	$2,044	DS-3SP	1.15	21.4	150	30.8	
	1800	230	215TZ	FDU7CM2K21Z	$2,044	DS-3SP	1.15	21.4	150	30.8	
10	1800	230	215T	FDU10CM2K21	$2,511	DS-3SP	1.15	21.4	153	41.0	
13	1800	230	215T	FDU13CM2K21	$2,924	DS-3SP	1.00	21.4	155	54.2	23

C-Face

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3	1800	208-230	184TC	FDU3CM2K18C	$1,262	DS-3SP	1.15	18.7	78	16.4/17.0	23
5	1800	208-230	184TC	FDU5CM2K18C	$1,587	DS-3SP	1.15	18.7	100	22.2/24.0	23
7 1/2	1800	230	213TCYZ	FDU7CM2K21ZC	$2,349	DS-3SP	1.15	21.0	150	30.8	23
	1800	230	215TC	FDU7CM2K21C	$2,349	DS-3SP	1.15	21.3	150	30.8	23
10	1800	230	215TC	FDU10CM2K21C	$2,887	DS-3SP	1.15	21.3	215	41.0	23

Note 23 Manual Reset Thermal Protector Overload

Special Application Air Compressor Single Phase, Open Drip Proof (ODP)



APPLICATIONS:

For belt drive air compressor duty high breakdown torque.

FEATURES:

- Rigid Welded Base
- Continuous Duty
- Manual Reset Thermal Overload Protector
- ODP Enclosure
- Class B Insulation
- 40°C Ambient
- Ball Bearings
- Rotation - CCW Facing Shaft End, Non-Reversible
- Capacitor Start, Capacitor Run
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1	3600	115/230	56	D1CPM1PH	$560	DS-3FMP	1.25	11.4	29	9.3/4.3	23
2	3600	115/230	56	3768	$655	DS-3F	1.00	11.9	28	15.0/7.5	
3	3600	208-230	56	D3CPM1T	$888	DS-3FMP	1.15	13.2	42	13.2	23
5	3600	208-230	56HZ	D5CM1K14	$866	DS-3F	1.00	14.4	43	22.5-22.0	
	3600	230	56HZ	EB384	$899	DS-3F	1.15	15.0	50	21.5	
	1800	230	184T	D5C2K	$909	DS-3SP	1.15	16.3	75	23.5	25
7 1/2	3600	230	184T	D7C1K	$969	DS-3SP	1.15	16.3	80	30.0	25

Note 23 Manual Reset Thermal Protector Overload
Note 25 Non-protected

Special Application Agriculture Totally Enclosed Fan Cooled (TEFC) Agri Duty High Torque Single Phase, Capacitor Start



APPLICATIONS:

For powering agitators, augers, compressors, conveyors, feeders and hay hoists.
High torque motors are used on barn cleaners, manure pumps and silo unloaders.

FEATURES:

- Class F Insulation (140-210 Frame)
- 40°C Ambient, Continuous Duty
- Reversible Rotation
- F1 Assembly
- Steel Frames & Steel Welded Based (140-210 Frame)
- Manual Reset Thermal Overload Protector
- Steel Fan Cover & Conduit Box
- Non-Regreasable Double Shielded Bearings
- Shaft Slinger (140-210 Frame)
- Capacitor Start-Capacitor Run (3-10 HP)
- Low Temperature Grease
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/230	56	FD13CM2P	$278	DS-3FMP	1.15	10.9	25	6.6/3.3	23
1/2	1800	115/230	56	FD12CM2P	$324	DS-3FMP	1.15	11.4	27	9.0/4.5	23
3/4	1800	115/230	56	FD34CM2P	$384	DS-3FMP	1.15	11.9	32	11.4/5.7	23
1	1800	115/230	143T	FD1CM2P14	$684	DS-3F	1.15	12.8	32	15.0/7.5	23
	1800	115/230	56H	FD1CM2PZ	$439	DS-3FMP	1.15	12.9	40	14.0/7.0	23
1 1/2	1800	115/230	145T	FD32CM2P14	$473	DS-3SP	1.15	14.3	43	16.2/8.1	23
	1800	115/230	56H	FD32CM2PH	$468	DS-3FMP	1.15	13.9	32	16.2/8.1	23
2	1800	115/230	182T	FD2CM2P18	$779	DS-3SP	1.00	15.2	60	23.6/11.8	23
	1800	115/230	56HZ	FD2CM2PHZ	$639	DS-3FMP	1.00	14.3	50	20.0/10.0	23
3	1800	230	184T	FD3CM2K18	$1,045	DS-3SP	1.00	17.2	74	14.5	23
5	1800	230	184T	FD5CM2K18	$1,307	DS-3SP	1.00	18.2	125	22.0	23
	1800	230	213T	FD5CM2K21	$1,442	DS-3SP	1.00	19.6	180	23.0	23
7 1/2	1800	230	215T	FD7CM2K21	$1,937	DS-3SP	1.00	22.1	147	30.0	23
10	1800	230	215T	FD10CM2K21	$2,380	DS-3SP	1.00	22.1	180	38.0	23

C-Face Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/230	56C	FD13CM2PC	$370	DS-3FMP	1.15	10.9	21	6.6/3.3	23
1/2	1800	115/230	56C	FD12CM2PC	$375	DS-3FMP	1.15	11.4	26	9.0/4.5	23
3/4	1800	115/230	56C	FD34CM2PC	$447	DS-3FMP	1.15	11.9	30	11.4/5.7	23
1	1800	115/230	56HC	FD1CM2PHC	$503	DS-3FMP	1.15	12.9	35	14.0/7.0	23
1 1/2	1800	115/208-230	56HC	FD32CPM2PHC	$599	DS-3FMP	1.15	13.9	32	14.4/8.3-7.2	23
	1800	115/230	145TC	FD32CM2P14C	$515	DS-3FMP	1.15	13.9	48	16.2/8.1	23
2	1800	115/230	145TC	FD2CM2PHC	$704	DS-3FMP	1.15	14.4	32	18.9/9.4	23

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/230	56C	FD13CM2PCR	$360	DS-3FMP	1.15	10.9	21	6.6/3.3	23
1/2	1800	115/230	56C	FD12CM2PCR	$360	DS-3FMP	1.15	11.4	32	9.0/4.5	23
3/4	1800	115/230	56C	FD34CM2PCR	$437	DS-3FMP	1.15	11.9	32	11.4/5.7	23
1	1800	115/230	56C	FD1CM2PCR	$493	DS-3FMP	1.15	12.9	44	14.0/7.0	23
1 1/2	1800	115/230	56C	FD32CM2PCR	$589	DS-3FMP	1.15	13.9	44	16.2/8.1	23

Note 23 Manual Reset Thermal Protector Overload

Special Application Agriculture
Aeration Fan & Crop Dryer



APPLICATIONS:

For air over applications or fans mounted directly on the motor shaft.
Specifically designed for use on vane axial crop dryers and aeration fans.

FEATURES:

Aeration Fan

- Totally Enclosed Air Over
- Class B Insulation On 56 Frame
- Class F Insulation On 140 Frame
- Keyed Shaft Drilled On Center 1" Deep & Tapped 1/4" UNC
- 56Z Frame Motors Have 5/8" Dia. X 2-1/4" Long Shaft
- F1 Assembly Position

Crop Dryer

- Open Drip Proof Air-Over
- Thermostat Protected (Overheating Protection) Requires Leads to be Connected to Control Circuit of Motor Controller
- Non-Standard 1-1/8" Diameter X 3-1/4" Long Keyed Shaft Is Drilled On Center 1" Deep & Tapped 1/4-20 UNC
- Rodent Screens, Extra Long Leads, Class F Insulation
- F1 Assembly Position

Aeration Fan - Cap Start

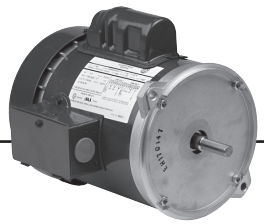
HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3/4	3600	115/230	56Z	FD34CA1PZ	$356	DS-3SP	1.00	10.3	19	-	11.0/5.5	24
1	3600	115/230	56Z	FD1CA1PZ	$423	DS-3SP	1.00	12.3	29	70.0	12.4/6.2	24
1 1/2	3600	115/230	143TZ	FD32CA1P14	$582	DS-3SP	1.00	13.3	32	73.0	17.4/8.7	24
2	3600	115/230	143TZ	FD2CA1P14	$686	DS-3SP	1.00	13.8	32	75.5	22.2/11.1	24
3	3600	230	145TZ	FD3CA1K14	$719	DS-3SP	1.00	13.7	42	78.5	14.9	CSCR,24

Crop Dryer - Cap Start

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
5 - 7	3600	230	184TZ	FD5CM1K18Z	$1,160	DS-3SP	1.00	18.4	90	82.8	21.0	
7 ½ - 9	3600	230	184TZ	FD7CM1K18Z	$1,240	DS-3SP	1.00	18.4	90	88.7	30.0	
10 - 12	3600	230	215TZ	FD10CM1K21Z	$1,859	DS-3SP	1.15	20.4	127	85.2	40.0	

Note 24 Automatic Reset Thermal Protector Overload
Note CSCR Capacitor Start /Capacitor Run

Special Application Agriculture
Auger Duty Motors



CAPACITOR START

APPLICATIONS:

For use on augers.

FEATURES:

- Totally Enclosed Fan Cooled (except where noted)
- Class B Insulation
- Manual Reset Thermal Overload Protector
- 1/2 HP & Above Have ODE Shaft Extension for Hand Crank
- Ball Bearings
- 56Y are Keyed; 56YZ are Flat Shaft
- Reversible Rotation
- Footless (except where noted)
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

Capacitor Start

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	1800	115/230	56YZ	1843	$644	DS-3FMP	1.00	11.6	29	8.0/4.0 & 9.6/4.8	98
	1800	115/230	56Y	FD12CM2PZY	$515	DS-3FMP	1.00	11.6	32	8.0/4.0 & 9.6/4.8	98, FT
	1800	115/230	56Y	FD12CM2PZYR	$495	DS-3FMP	1.00	12.0	22	8.6/4.3 & 10.4/5.4	95,98
3/4	1800	115/230	56Y	1801	$590	DS-3FMP	1.00	12.9	38	10.6/5.3 & 11.8/5.9	
	1800	115/230	56YZ	FD34CM2PZY	$568	DS-3FMP	1.00	12.6	32	10.6/5.3 & 11.8/5.9	98,FT
	1800	115/230	56YZ	FD34CM2PZYR	$590	DS-3FMP	1.00	12.6	32	10.6/5.3 & 11.8/5.9	95,98
1	1800	115/208-230	56Y	FD1CM2PZY	$652	DS-3FMP	1.00	12.9	36	12.8/6.5-6.4	FT
1 1/2	1800	115/230	56Y	FD32CM2PHZY	$814	DS-3FMP	1.15	13.9	45	16.2/8.1	FT

Split Phase

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/230	56Y	FD13BM2PZYR	$313	DS-3FMP	1.00	11.5	22	5.3/2.6&5.9/3.0	28,95

Three Phase

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	190/380 & 208-230/460	56Y	FD13SM2DZYR	$424	DS-3FMP	1.00	11.2	26	2.0/1.0 & 1.8-2.0/1.0	
1/2	1800	190/380 & 208-230/460	56Y	FD12SM2DZYR	$467	DS-3FMP	1.00	11.8	17	2.2/1.1 & 2.0-2.0/1.0	
3/4	1800	190/380 & 208-230/460	56Y	FD34SM2DZYR	$526	DS-3FMP	1.00	11.8	27	3.0/1.5 & 2.7-2.6/1.3	
1	1800	190/380 & 208-230/460	56Y	FD1PM2DZYR	$549	DS-3FMP	1.15	13.0	36	3.5/1.8 & 3.3-3.2/1.5	
1 1/2	1800	190/380 & 208-230/460	56Y	FD32PM2DZYR	$633	DS-3FMP	1.15	14.0	38	4.5/2.2 & 4.5-4.5/2.2	

Note 28 TENV Enclosure
Note 95 Nitride shaft
Note 98 50/60 Hz Motor
Note FT Footed

General Purpose Motors

Horsepower: 1 — 500 HP

Frame Sizes: 143 — 5811

Phase: Three Phase

RPM: 3,600, 1,800, 1,200, or 900 RPM

Voltage:
- 200
- 208-230-460
- 230/460
- 460
- 575

Enclosure:
- Open Drip Proof (ODP)
- Totally Enclosed, Fan Cooled (TEFC)

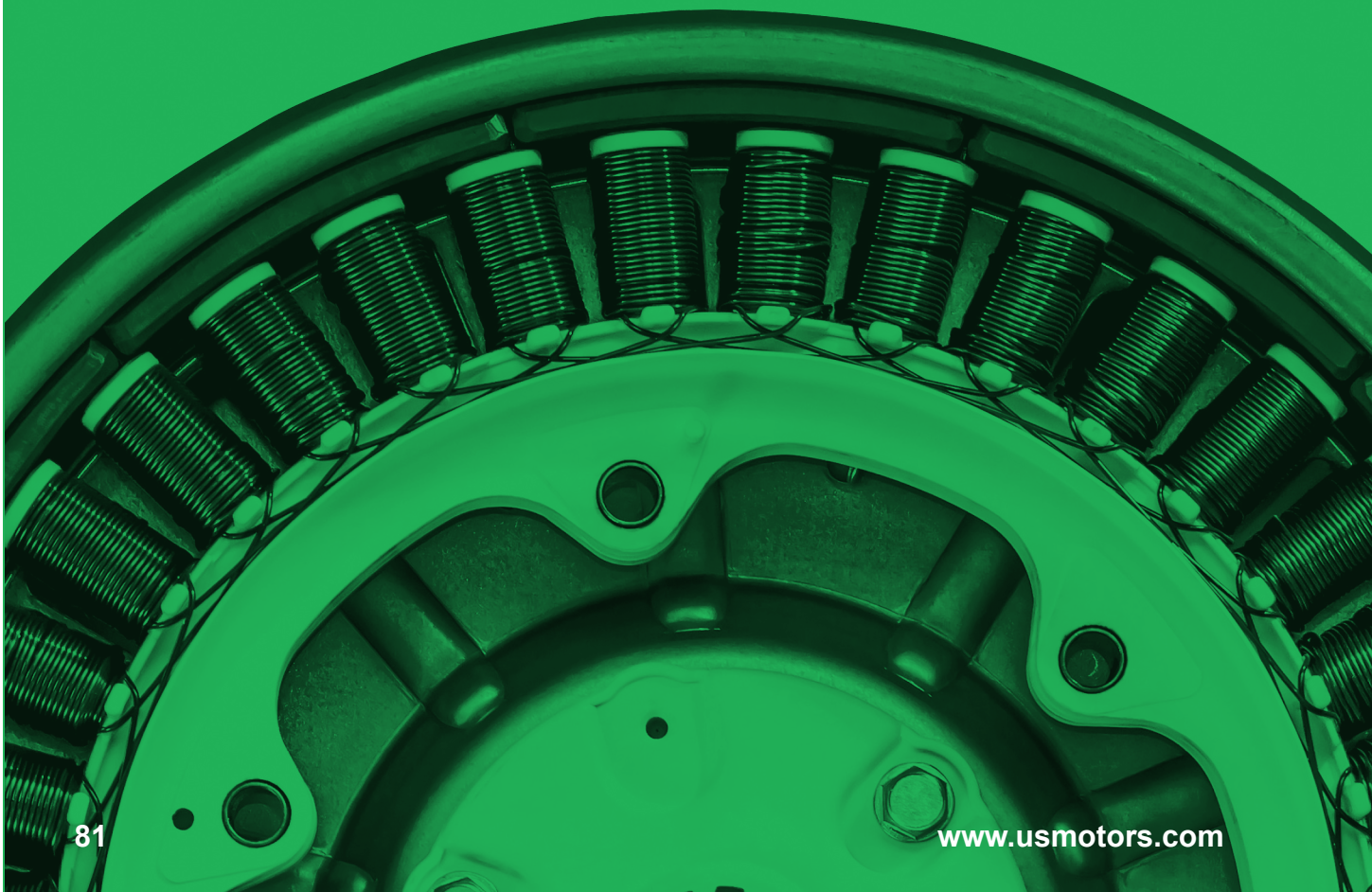
Service Factor: 1.15 SF or greater

Insulation: Class B or F

Efficiency: Premium Efficient, NEMA®† Premium Efficient or EPAct

Agency: UL®† Recognized and CSA®† Certified

WORLD MOTOR® Features:
- Both 60 Hz and 50 Hz operations (without derating motor)
- 250 Frame and larger ratings suitable for wye-start delta run or across-the-line starting



General Purpose Three Phase
Open Drip Proof (ODP) NEMA®† Premium Efficient



DE IP22 RE IP23

APPLICATIONS:

For pumps, fans, compressors, material handling, and other general purpose applications where contaminants are minimal.

FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame 56-360, Cast Iron Frame 400-440
- Aluminum End Shields 56-250, Cast Iron End Shields 280-440
- 40°C Ambient, NEMA® Design B Performance On 60 Hz Sine Wave Power
- 1.15 Service Factor
- Reversible Rotation
- Regreasable Bearings 210 Frame & Up
- Double Shielded Bearings 140-400, Open on 440
- Bearing Caps On 400 & 440 Frames
- F1 Assembly Position except where noted
- Lifting Provisions 180 Frame & Up
- Conversion Kits: Drip Cover Kits (140-320 Frame)
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	NEMA Nom. Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	48	D14P2B4	$265	DS-3E	1.35	9 .6	17	69.5	1.3-1 .3/.7	
	1800	208-230/460	56H	D14P2AH	$275	DS-3E	1.35	10.9	26	69.5	1.1-1 .1/0.5	
	1800	575	56H	D14P2GH	$275	DS-3E	1.35	10.9	26	69.5	0.41	
	1200	208-230/460	56	D14P3A	$397	DS-3E	1.35	11.9	32	67.2	1.4-1 .4/0.7	
1/3	1800	208-230/460	56H	D13P2AH	$282	DS-3E	1.35	11.4	26	73.4	1.4-1 .4/0.7	
	1800	575	56H	D13P2GH	$282	DS-3E	1.35	11.8	24	73.4	0.46	
1/2	1800	208-230/460	56H	D12P2AH	$322	DS-3E	1.25	11.4	24	78.2	1.99-1 .9/0.98	
	1800	208-230/460	56	D12P2D	$322	DS-3E	1.00	10.4	20	78.2	2.0-2 .0/1.0	
	1800	575	56H	D12P2GH	$322	DS-3E	1.25	11.4	24	78.2	0.68	
	1200	208-230/460	56H	D12P3AH	$511	DS-3E	1.25	12.4	38	75.3	2.4/1.2	
3/4	3600	230/460	48	D34P1B	$346	DS-3E	1.25	10.1	19	76.8	2.4/1 .2	
	1800	208-230/460	56	D34P2AH	$359	DS-3E	1.25	10.0	25	81.1	2.8-2 .8/1.4	
	1800	208-230/460	56H	D34PA2AH	$489	DS-3E	1.25	11.9	26	81.1	2.3-2.2/1.16	
	1800	575	56H	D34P2GH	$359	DS-3E	1.25	12.3	26	85.5	0.93	
1	3600	208-230/460	56	D1P1A	$400	DS-3E	1.25	10.4	25	77.0	2.8-2 .8/1.4	
	1800	200	143T	D1P2H	$443	DS-3E	1.15	12.8	30	85.5	3.6	
	1800	208-230/460	56H	D1P2AH	$405	DS-3E	1.15	12.4	32	83.5	3.2-3 .0/1.5	
	1800	208-230/460	56HZ	D1P2DHZ	$443	DS-3E	1.15	13.8	26	83.5	3.3-3 .3/1.6	
	1800	208-230/460	143T	D1P2D	$443	DS-3E	1.15	12.8	30	85.5	3.2-3 .1/1.6	03
	1800	575	56H	D1P2GH	$405	DS-3E	1.15	12.4	32	85.5	1.1	
	1800	575	143T	D1P2G	$443	DS-3E	1.15	12.8	30	85.5	1.3	
	1200	200	145T	D1P3H	$595	DS-3E	1.15	14.1	35	82.5	4.5	
	1200	208-230/460	145T	D1P3D	$595	DS-3E	1.15	14.1	35	82.5	4-4/2	03
	1200	575	145T	D1P3G	$595	DS-3E	1.15	14.1	35	82.5	1.6	
	900	230/460	182T	D1P4E	$686	DS-3E	1.15	13.7	50	75.5	4.5/2.2	03
1 1/2	3600	200	143T	D32P1H	$472	DS-3E	1.15	12.8	30	84.0	4.3	
	3600	208-230/460	143T	D32P1D	$472	DS-3E	1.15	12.8	30	85.5	4.2-3 .8/1.9	03
	3600	575	143T	D32P1G	$472	DS-3E	1.15	12.8	30	85.5	1.5	
	1800	200	145T	D32P2H	$466	DS-3E	1.15	12.8	35	86.5	4.9	
	1800	208-230/460	56H	D32P2AH	$466	DS-3E	1.15	12.9	33	86.5	5.0-4 .8/2.4	
	1800	208-230/460	145T	D32P2D	$466	DS-3E	1.15	12.8	35	86.5	4.4-4 .2/2.1	03
	1800	230/460	145T	D32P2B2	$466	DS-3E	1.15	12.8	45	86.5	4.2/2.1	05
	1800	575	56H	D32P2GH	$466	DS-3E	1.15	13.9	35	86.5	1.6	
	1800	575	145T	D32P2G	$466	DS-3E	1.15	12.8	35	86.5	1.7	
	1200	200	182T	D32P3H	$600	DS-3E	1.15	15.0	45	86.5	6.3	
	1200	208-230/460	182T	D32P3D	$600	DS-3E	1.15	13.7	45	86.5	5.2-5 .3/2.6	03
	1200	575	182T	D32P3G	$600	DS-3E	1.15	13.7	45	86.5	2.1	
2	3600	200	145T	D2P1H	$515	DS-3E	1.15	12.8	35	85.5	5.6	
	3600	208-230/460	56H	D2P1AH	$462	DS-3E	1.15	11.9	32	85.5	6.0-5 .4/2.7	
	3600	208-230/460	145T	D2P1D	$515	DS-3E	1.15	12.8	35	85.5	5.5-5/2.5	03
	3600	575	145T	D2P1G	$515	DS-3E	1.15	12.8	35	85.5	2	
	1800	200	145T	D2P2H	$512	DS-3E	1.15	12.8	35	86.5	6.4	
	1800	208-230/460	56H	D2P2AH	$415	DS-3E	1.15	12.9	40	86.5	6.6-6.6/3 .3	
	1800	208-230/460	56HZ	D2P2DHZ	$444	DS-3E	1.15	14.3	42	86.5	6.2-6.0/3 .0	
	1800	208-230/460	145T	D2P2D	$512	DS-3E	1.15	12.8	35	86.5	5.9-5 .6/2 .8	03
	1800	230/460	145T	D2P2B2	$512	DS-3E	1.15	12.8	35	86.5	5.6/2 .8	05

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 05 F2 Assembly Position

General Purpose Three Phase
Open Drip Proof (ODP) NEMA®† Premium Efficient

(continued)



HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1800	575	56H	D2P2GH	$484	DS-3E	1.15	12.9	35	86.5	2.2	
	1800	575	145T	D2P2G	$512	DS-3E	1.15	12.8	35	85.5	2 .2	
	1200	200	184T	D2P3H	$672	DS-3E	1.15	15.0	60	87.5	7 .3	
	1200	208-230/460	184T	D2P3D	$672	DS-3E	1.15	13.7	60	87.5	6 .4-6 .3/3 .1	03
	1200	575	184T	D2P3G	$672	DS-3E	1.15	15.0	60	87.5	2 .5	
	900	230/460	213T	D2P4E	$1,119	DS-3E	1.15	16.0	90	86.5	7.2/3 .6	03
3	3600	200	145T	D3P1H	$529	DS-3E	1.15	12.8	35	85.5	8 .4	
	3600	208-230/460	145T	D3P1D	$529	DS-3E	1.15	12.8	35	85.5	8.3-7 .4/3.7	03
	3600	575	145T	D3P1G	$529	DS-3E	1.15	12.8	35	85.5	2 .9	
	1800	200	182T	D3P2H	$544	DS-3E	1.15	13.7	50	89.5	8 .8	
	1800	208-230/460	56HZ	D3P2AHZ	$576	DS-3E	1.15	13.5	21	86.9	9.7-9 .4/4.6	
	1800	208-230/460	182T	D3P2D	$544	DS-3E	1.15	13.7	50	90.2	8.3-7 .6/3.8	03
	1800	208-230/460	182T	D3PA2D	$794	DS-3E	1.15	15.0	50	90.2	8.3-7 .6/3.8	24
	1800	575	182T	D3P2G	$544	DS-3E	1.15	13.7	50	89.5	3.1	
	1200	200	213T	D3P3H	$855	DS-3E	1.15	16.0	90	88.5	10.5	
	1200	208-230/460	213T	D3P3D	$855	DS-3E	1.15	16.0	94	88.5	9.4-8 .9/4.4	
	1200	575	213T	D3P3G	$855	DS-3E	1.15	16.0	90	88.5	3.6	
	900	230/460	215T	D3P4E	$1,435	DS-3E	1.15	17.5	105	87.5	10.8/5.4	03
5	3600	200	182T	D5P1H	$564	DS-3E	1.15	13.7	50	88.5	14 .1	
	3600	208-230/460	182T	D5P1D	$564	DS-3E	1.15	13.7	50	86.5	13.8-12 .5/6.2	03
	3600	575	182T	D5P1G	$564	DS-3E	1.15	13.7	50	87.5	5	
	1800	200	184T	D5P2H	$586	DS-3E	1.15	13.7	70	89.5	14.2	
	1800	208-230/460	184T	D5P2D	$586	DS-3E	1.15	13.7	70	89.5	13.7-12 .4/6.2	03
	1800	208-230/460	184T	D5PA2A	$836	DS-3E	1.15	15.0	60	89.5	13.8-12 .6/6.3	24,LA
	1800	575	184T	D5P2G	$586	DS-3E	1.15	13.7	70	89.5	4.9	
	1200	200	215T	D5P3H	$1,122	DS-3E	1.15	17.5	105	89.5	16.1	
	1200	208-230/460	215T	D5P3D	$1,122	DS-3E	1.15	17.5	105	89.5	15.2-14 .5/7.3	LA
	1200	575	215T	D5P3G	$1,122	DS-3E	1.15	17.5	105	89.5	5.7	
	900	575	254T	D5P4G	$2,271	DS-3E	1.15	22.6	150	88.5	6 .2	02
7 1/2	3600	200	184T	D7P1H	$880	DS-3E	1.15	13.7	60	88.5	20 .8	
	3600	208-230/460	184T	D7P1D	$880	DS-3E	1.15	13.7	60	88.5	20 .3-18 .1/9.1	03
	3600	575	184T	D7P1G	$880	DS-3E	1.15	13.7	60	88.5	7.3	
	1800	200	213T	D7P2H	$857	DS-3E	1.15	16.0	94	91.0	21.4	
	1800	208-230/460	213T	D7P2D	$857	DS-3E	1.15	16.0	105	91.0	20.2-18 .5/9.3	
	1800	208-230/460	213T	D7PA2A	$1,207	DS-3E	1.15	16.0	90	91.0	20.5-18 .5/9.2	24
	1800	575	213T	D7P2G	$857	DS-3E	1.15	16.0	94	91.0	7.3	
	1200	200	254T	D7P3H	$1,423	DS-3E	1.15	22.6	150	91.0	21.9	
	1200	208-230/460	254T	D7P3D	$1,423	DS-3E	1.15	19.1	150	91.0	20.5-18 .9/9.5	02,03
	1200	575	254T	D7P3G	$1,423	DS-3E	1.15	19.1	150	91.0	7.6	02
	900	208-230/460	256T	D7P4D	$2,889	DS-3E	1.15	22.6	160	89.5	23.7-22 .7/11.3	02,03
	900	575	256T	D7P4G	$2,889	DS-3E	1.15	23.2	160	89.5	9.1	02
10	3600	200	213T	D10P1H	$1,029	DS-3E	1.15	16.0	90	90.2	28	
	3600	208-230/460	213T	D10P1D	$1,029	DS-3E	1.15	16.0	90	90.2	27.1-24 .3/12.2	03
	3600	575	213T	D10P1G	$1,029	DS-3E	1.15	16.0	90	90.2	9.7	
	1800	200	215T	D10P2H	$1,043	DS-3E	1.15	17.5	100	91.7	28.1	
	1800	208-230/460	215T	D10P2D	$1,043	DS-3E	1.15	17.5	133	92.4	26.3-23 .8/11.9	
	1800	575	215T	D10P2G	$1,043	DS-3E	1.15	17.5	104	91.7	9.8	
	1200	200	256T	D10P3H	$1,851	DS-3E	1.15	23.2	160	91.7	29.3	
	1200	208-230/460	256T	D10P3D	$1,851	DS-3E	1.15	21.0	160	91.7	27.2-25/12.5	02,03
	1200	575	256T	D10P3G	$1,851	DS-3E	1.15	20.4	160	91.7	10.2	02
	900	230/460	284T	D10P4E	$3,266	DS-3E	1.15	24.9	225	90.2	29.5/14.8	02,03

Note 02 Suitable for Wye-Delta start on voltages shown
Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
Note 24 Automatic Reset Thermal Protector Overload
Note LA Limited Availability

General Purpose Three Phase
Open Drip Proof (ODP) NEMA®† Premium Efficient

(continued)



DE IP22 RE IP23

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	NEMA Nom. Eff.	Full Load Amps	Notes
15	3600	200	215T	D15P1H	$1,414	DS-3E	1.15	17.5	100	90.2	41	
	3600	208-230/460	215T	D15P1D	$1,414	DS-3E	1.15	17.5	100	90.2	40-36/18	03
	3600	575	215T	D15P1G	$1,414	DS-3E	1.15	17.5	104	90.2	14 .6	
	1800	200	254T	D15P2H	$1,426	DS-3E	1.15	19.1	150	93.0	42	02
	1800	208-230/460	254T	D15P2D	$1,426	DS-3E	1.15	19.1	150	93.0	40-37/18.3	02,03
	1800	575	254T	D15P2G	$1,426	DS-3E	1.15	19.1	150	93.0	14.8	02
	1200	200	284T	D15P3H	$2,363	DS-3E	1.15	24.9	300	91.7	42	
	1200	208-230/460	284T	D15P3D	$2,363	DS-3E	1.15	24.9	300	91.7	41-37/18.5	LA
	1200	208-230/460	284T	D15P3E	$2,363	DS-3E	1.15	24.9	225	91.7	37/18.5	02,G
	1200	575	284T	D15P3G	$2,363	DS-3E	1.15	24.9	300	91.7	14.7	02
	900	208-230/460	286T	D15P4D	$4,292	DS-3E	1.15	24.9	250	90.2	46/43	02,03
20	3600	200	254T	D20P1H	$1,711	DS-3E	1.15	22.6	150	91.7	53	02
	3600	208-230/460	254T	D20P1D	$1,711	DS-3E	1.15	22.6	150	91.7	52-46/23.1	02,03
	3600	575	254T	D20P1G	$1,711	DS-3E	1.15	22.6	150	91.0	18.7	02
	1800	200	256T	D20P2H	$1,829	DS-3E	1.15	23.2	160	93.0	54	02
	1800	208-230/460	256T	D20P2D	$1,829	DS-3E	1.15	23.2	160	93.0	52-47/23.6	02,03
	1800	575	256T	D20P2G	$1,829	DS-3E	1.15	23.2	160	93.0	18.8	02
	1200	200	286T	D20P3H	$2,880	DS-3E	1.15	24.9	325	92.4	56	
	1200	208-230/460	286T	D20P3D	$2,880	DS-3E	1.15	24.9	325	92.4	53-48/24	02,03
	1200	575	286T	D20P3G	$2,880	DS-3E	1.15	24.9	325	92.4	19.3	02
25	3600	200	256T	D25P1H	$2,237	DS-3E	1.15	23.2	160	91.7	67	02
	3600	208-230/460	256T	D25P1D	$2,237	DS-3E	1.15	23.2	160	91.7	65-57/28 .7	02,03
	3600	575	256T	D25P1G	$2,237	DS-3E	1.15	23.2	160	91.7	22 .9	02
	1800	200	284T	D25P2H	$2,214	DS-3E	1.15	24.9	300	93.6	67	02,03
	1800	200	284TS	D25P2HS	$2,214	DS-3E	1.15	23.5	300	93.6	67	
	1800	208-230/460	284T	D25P2D	$2,214	DS-3E	1.15	24.9	300	93.6	64-58/29	02,03,LA
	1800	208-230/460	284T	D25P2E	$2,214	DS-3E	1.15	24.9	225	93.6	65-58/29.2	02,G
	1800	230/460	284TS	D25P2ES	$2,214	DS-3E	1.15	23.0	225	93.6	58/29.2	
	1800	575	284T	D25P2G	$2,214	DS-3E	1.15	24.9	300	93.6	23.1	
	1800	575	284TS	D25P2GS	$2,214	DS-3E	1.15	23.5	300	93.6	23 .1	02
	1200	200	324T	D25P3H	$3,163	DS-3E	1.15	27.3	385	93.0	67	02
	1200	208-230/460	324T	D25P3D	$3,163	DS-3E	1.15	27.3	385	93.0	65-58/29.1	02,03
	1200	575	324T	D25P3G	$3,163	DS-3E	1.15	27.3	385	93.0	23.5	02
	900	230/460	326T	D25P4E	$5,113	DS-3E	1.15	27.3	460	91.0	67/33	02,03
30	3600	200	284TS	D30P1HS	$2,637	DS-3E	1.15	23.5	225	92.4	78	02
	3600	230/460	284TS	D30P1ES	$2,637	DS-3E	1.15	23.0	225	91.7	69/34	02,G
	3600	575	284TS	D30P1GS	$2,637	DS-3E	1.15	23.5	312	93.0	27.4	
	1800	200	286T	D30P2H	$2,629	DS-3E	1.15	24.9	350	94.1	79	
	1800	200	286TS	D30P2HS	$2,629	DS-3E	1.15	23.5	350	94.1	79	
	1800	208-230/460	286T	D30P2D	$2,629	DS-3E	1.15	24.9	250	94.1	77-69/34	
	1800	208-230/460	286TS	D30P2DS	$2,629	DS-3E	1.15	23.5	250	94.1	77-69/34	
	1800	575	286T	D30P2G	$2,629	DS-3E	1.15	24.9	362	94.1	27.7	
	1800	575	286TS	D30P2GS	$2,629	DS-3E	1.15	23.5	350	94.1	27.5	02
	1200	200	326T	D30P3H	$3,629	DS-3E	1.15	27.3	415	93.6	81	02,14
	1200	208-230/460	326T	D30P3D	$3,629	DS-3E	1.15	27.3	415	93.6	78-70/35	02,03,14
	1200	575	326T	D30P3G	$3,629	DS-3E	1.15	27.3	415	93.6	28	02,14

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA®† Design A

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note LA Limited Availability

General Purpose Three Phase
Open Drip Proof (ODP) NEMA®† Premium Efficient

(continued)



DE IP22 RE IP23

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	NEMA Nom. Eff.	Full Load Amps	Notes
40	3600	200	286TS	D40P1HS	$2,883	DS-3E	1.15	23.5	250	93.0	104	02
	3600	208-230/460	286TS	D40P1ES	$2,883	DS-3E	1.15	23.0	250	92.4	90/45	02,G
	3600	575	286TS	D40P1GS	$2,883	DS-3E	1.15	23.5	362	93.0	36	
	1800	200	324T	D40P2H	$2,889	DS-3E	1.15	25.8	454	94.1	105	02
	1800	200	324TS	D40P2HS	$2,889	DS-3E	1.15	25.8	454	94.1	105	02
	1800	208-230/460	324T	D40P2D	$2,889	DS-3E	1.15	27.3	385	94.1	102-91/46	02,03
	1800	208-230/460	324TS	D40P2DS	$2,889	DS-3E	1.15	25.8	454	94.1	102-91/46	02,03
	1800	575	324T	D40P2G	$2,889	DS-3E	1.15	27.3	454	94.5	37	
	1800	575	324TS	D40P2GS	$2,889	DS-3E	1.15	25.8	454	94.1	36	02
	1200	230/460	364T	D40P3E	$5,786	DS-3E	1.15	28.7	580	94.5	92/46	02,03
	1200	575	364T	D40P3G	$5,786	DS-3E	1.15	28.7	580	94.5	37	02
	900	230/460	365T	D40P4E	$7,020	DS-3E	1.15	29.7	600	92.4	106/53	02,03
50	3600	200	324TS	D50P1HS	$3,243	DS-3E	1.15	25.8	385	93.0	134	02
	3600	208-230/460	324TS	D50P1ES	$3,243	DS-3E	1.15	25.3	385	93.0	125-112/56	02,G
	3600	575	324TS	D50P1GS	$3,243	DS-3E	1.15	25.8	385	93.0	47	02
	1800	200	326T	D50P2H	$3,386	DS-3E	1.15	27.3	415	94.5	130	02
	1800	200	326TS	D50P2HS	$3,386	DS-3E	1.15	25.8	415	94.5	130	02
	1800	208-230/460	326T	D50P2D	$3,386	DS-3E	1.15	27.3	460	94.5	126-113/56	02,03
	1800	208-230/460	326TS	D50P2DS	$3,386	DS-3E	1.15	25.8	415	94.5	56	02,03
	1800	460 & 380	326TS	D50P2FS	$3,386	DS-3E	1.15	25.8	415	94.5	56	02,03
	1800	575	326T	D50P2G	$3,386	DS-3E	1.15	27.3	460	94.5	46	
	1800	575	326TS	D50P2GS	$3,386	DS-3E	1.15	25.8	415	94.5	45	02
	1200	230/460	365T	D50P3E	$6,506	DS-3E	1.15	29.7	580	94.5	115/57	
	1200	575	365T	D50P3G	$6,506	DS-3E	1.15	29.7	580	94.5	46	02
	900	230/460	404T	D50P4E	$8,364	DS-3E	1.15	32.5	750	92.4	132/66	02,03
60	3600	200	326TS	D60P1HS	$4,469	DS-3E	1.15	25.8	460	93.6	155	02
	3600	208-230/460	326TS	D60P1ES	$4,469	DS-3E	1.15	25.3	460	93.6	134/67	02,G
	3600	575	326TS	D60P1GS	$4,469	DS-3E	1.15	25.8	415	93.6	54	02,14
	1800	230/460	364T	D60P2E	$4,657	DS-3E	1.15	28.7	580	95.0	138/69	02,03
	1800	230/460	364TS	D60P2ES	$4,657	DS-3E	1.15	26.6	580	95.0	138/69	
	1800	460 & 380	364TS	D60P2FS	$4,657	DS-3E	1.15	26.6	580	95.0	69	
	1800	575	364T	D60P2G	$4,657	DS-3E	1.15	28.7	580	95.0	55	02
	1800	575	364TS	D60P2GS	$4,657	DS-3E	1.15	26.6	580	95.0	55	02
	1200	230/460	404T	D60P3E	$7,706	DS-3E	1.15	32.6	750	95.0	137/69	02,03
	1200	575	404T	D60P3G	$7,706	DS-3E	1.15	32.6	750	94.5	55	
	900	230/460	405T	D60P4E	$9,698	DS-3E	1.15	34.0	800	93.0	157/79	02,03
75	3600	230/460	364TS	D75P1ES	$5,886	DS-3E	1.15	26.6	580	94.1	171/86	
	3600	575	364TS	D75P1GS	$5,886	DS-3E	1.15	26.6	580	94.1	69	02
	1800	230/460	365T	D75P2E	$5,514	DS-3E	1.15	29.7	735	95.0	172/86	02,03
	1800	230/460	365TS	D75P2ES	$5,514	DS-3E	1.15	27.6	600	95.0	172/86	
	1800	460 & 380	365TS	D75P2FS	$5,514	DS-3E	1.15	27.6	600	95.0	86	
	1800	575	365T	D75P2G	$5,514	DS-3E	1.15	29.7	600	95.0	69	02
	1800	575	365TS	D75P2GS	$5,514	DS-3E	1.15	27.6	600	95.0	69	02
	1200	230/460	405T	D75P3E	$8,674	DS-3E	1.15	34.1	800	95.0	172/86	02,03
	1200	575	405T	D75P3G	$8,674	DS-3E	1.15	34.1	800	94.5	69	02
	900	230/460	444T	D75P4E	$11,665	DS-3E	1.15	39.8	1100	94.1	194/97	02,03

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA®† Design A

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase
Open Drip Proof (ODP) NEMA®† Premium Efficient

(continued)

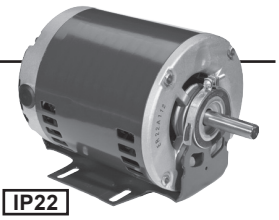


DE IP22 RE IP23

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	NEMA Nom. Eff.	Full Load Amps	Notes
100	3600	230/460	365TS	D100P1ES	$6,500	DS-3E	1.15	27.6	600	94.1	224/112	LA
	3600	575	365TS	D100P1GS	$6,500	DS-3E	1.15	27.6	600	94.1	90	02
	1800	230/460	404T	D100P2E	$6,571	DS-3E	1.15	32.6	750	95.4	226/113	02,03
	1800	230/460	404TS	D100P2ES	$6,571	DS-3E	1.15	29.6	750	95.4	226/113	02,03
	1800	460 & 380	404TS	D100P2FS	$6,571	DS-3E	1.15	29.6	750	95.4	113	02,03
	1800	575	404T	D100P2G	$6,571	DS-3E	1.15	32.6	750	95.4	90	02
	1800	575	404TS	D100P2GS	$6,571	DS-3E	1.15	29.6	750	95.4	90	02
	1200	230/460	444T	D100P3E	$10,274	DS-3E	1.15	39.8	1100	95.0	234/117	02,03
	1200	575	444T	D100P3G	$10,274	DS-3E	1.15	39.8	1100	95.0	94	02
	900	230/460	445T	D100P4E	$16,450	DS-3E	1.15	39.8	1200	94.1	255/128	02,03
125	3600	460 & 380	404TS	D125P1FS	$8,706	DS-3E	1.15	29.6	750	95.0	136	02,03
	3600	575	404TS	D125P1GS	$8,706	DS-3E	1.15	29.6	750	94.5	109	02
	1800	460 & 380	405T	D125P2F	$8,743	DS-3E	1.15	34.1	800	95.4	140	02,03
	1800	460 & 380	405TS	D125P2FS	$8,743	DS-3E	1.15	31.1	800	95.4	140	02,03
	1800	575	405T	D125P2G	$8,743	DS-3E	1.15	34.1	800	95.4	112	
	1800	575	405TS	D125P2GS	$8,743	DS-3E	1.15	31.1	800	95.4	112	02
	1200	460 & 380	445T	D125P3F	$11,097	DS-3E	1.15	39.8	1200	95.0	146	02,03
	1200	575	445T	D125P3G	$11,097	DS-3E	1.15	39.8	1200	95.0	118	02
150	3600	460 & 380	405TS	D150P1FS	$10,743	DS-3E	1.15	31.1	800	94.5	164	02,03
	3600	575	405TS	D150P1GS	$10,743	DS-3E	1.15	31.1	813	94.1	131	
	1800	460 & 380	444T	D150P2F	$11,431	DS-3E	1.15	39.8	1100	95.8	170	02,03
	1800	460 & 380	444TS	D150P2FS	$11,431	DS-3E	1.15	36.1	1100	95.8	170	02,03
	1800	575	444T	D150P2G	$11,431	DS-3E	1.15	39.8	1100	95.8	135	02
	1200	460 & 380	445T	D150P3F	$14,949	DS-3E	1.15	39.8	1200	95.4	174	02,03
	1200	575	445T	D150P3G	$14,949	DS-3E	1.15	39.8	1200	95.4	141	
200	3600	460 & 380	444TS	D200P1FS	$13,917	DS-3E	1.15	36.1	1100	95.0	224	02,03
	3600	575	444TS	D200P1GS	$13,917	DS-3E	1.15	36.1	1100	95.0	179	02
	1800	460 & 380	445T	D200P2F	$14,286	DS-3E	1.15	39.8	1200	95.8	225	02,03
	1800	460 & 380	445TS	D200P2FS	$14,286	DS-3E	1.15	36.1	1200	95.8	225	02,03
	1800	575	445T	D200P2G	$14,286	DS-3E	1.15	39.8	1200	95.8	179	02
	1200	460 & 380	447T	D200P3F	$19,649	DS-3E	1.15	43.3	1700	95.4	250	02,03
	1200	575	447T	D200P3G	$19,649	DS-3E	1.15	43.3	1700	95.4	205	02
250	3600	460 & 380	445TS	D250P1FS	$18,343	DS-3E	1.15	36.1	1200	95.0	276	02,03
	3600	575	445TS	D250P1GS	$18,343	DS-3E	1.15	36.1	1200	95.0	222	02
	1800	460 & 380	445T	D250P2FF	$16,151	DS-3E	1.15	39.8	1200	95.8	280	02,03
	1800	460 & 380	445TS	D250P2FFS	$16,151	DS-3E	1.15	36.1	1200	95.8	280	02,03
	1800	575	445T	D250P2GF	$16,151	DS-3E	1.15	39.8	1200	95.8	224	02
300	3600	460 & 380	445TS	D300P1FFS	$25,362	DS-3E	1.15	36.1	1200	95.4	325	02,03
	1800	460 & 380	447T	D300P2F	$21,169	DS-3E	1.15	43.3	1700	95.8	328	
	1800	460 & 380	447TS	D300P2FS	$21,169	DS-3E	1.15	39.5	1700	95.8	328	
	1800	575	447TS	D300P2GS	$21,169	DS-3E	1.15	39.5	1700	95.8	262	02, 03
350	3600	460 & 380	447TS	D350P1FS	$29,028	DS-3E	1.15	39.5	1723	95.8	379	
	1800	460 & 380	447T	D350P2F	$28,679	DS-3E	1.15	43.3	1700	95.8	383	
400	3600	460 & 380	449TS	D400P1FS	$34,056	DS-3E	1.15	44.5	2000	95.8	432	
	1800	460 & 380	449T	D400P2F	$33,647	DS-3E	1.15	48.3	2000	95.8	442	

Note 02 Suitable for Wye-Delta start on voltages shown
Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
Note LA Limited Availability

General Purpose Three Phase, Open Drip Proof (ODP) Resilient Base NEMA®† Premium Efficient



APPLICATIONS:

For use on pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

FEATURES:

- Rolled Steel Frame
- Aluminum End Shields
- 40°C Ambient
- F1 Assembly Position
- Resilient Base
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1/3	1800	208-230/460	56H	D13P2AH9	$365	DS-3F	1.35	11.8	24	73.4	1.4-1.4/0.7	
1/2	1800	208-230/460	56H	D12P2AH9	$373	DS-3F	1.25	11.8	25	78.2	1.98-1.9/.98	
3/4	1800	208-230/460	56H	D34P2AH9	$396	DS-3F	1.25	12.3	26	82.2	2.8-2.7/1.4	
1	1800	208-230/460	56H	D1P2DH9	$453	DS-3F	1.15	12.8	32	83.5	3.2-3.0/1.5	
1 1/2	3600	208-230/460	56H	D32PA1AH9	$622	DS-3F	1.15	12.3	32	84.0	4.7-4.4/2.2	LA
	1800	208-230/460	56H	D32P2AH9	$473	DS-3F	1.15	13.3	33	86.5	5.0- 4.8/2.4	

Note LA Limited Availability

General Purpose Three Phase, Open Drip Proof (ODP) NEMA®† Premium Efficient, C-Face



DE

IP22

APPLICATIONS:

For use on pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

FEATURES:

- Class F Insulation, Class B Rise At Service Factor On 60 Hertz Sine Wave Power
- Rolled Steel Frame
- Aluminum End Shields 56-250, Cast Iron End Shields 280-440
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- 40°C Ambient, NEMA® Design B Performance On 60 Hz Sine Wave Power
- Full HP @ 50 Hz
- Regreasable Bearings 210 Frame & Up
- Double Shielded Bearings 48-400
- Suitable For Wye-Delta Start 250 Frame & Larger
- F1 Assembly Position
- Lifting Provisions 210 Frame & Up
- Conversion Kits: Drip Cover Kits (140-320 Frame)
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	1800	208-230/460	56HC	D1P2AHC	$433	DS-3E	1.15	12.4	26	83.5	3.2-3.0/1.5	
	1800	208-230/460	143TC	D1P2DC	$474	DS-3E	1.15	13.3	30	85.5	3.2-3.1/1.5	
1 1/2	3600	208-230/460	56HC	D32P1AHC	$500	DS-3E	1.15	11.9	32	84.0	4.7-4.4/ 2.2	
	1800	208-230/460	145TC	D32P2DC	$499	DS-3E	1.15	13.3	35	86.5	4.4-4.2/2.1	
2	3600	208-230/460	56HC	D2P1AHC	$494	DS-3E	1.15	11.9	32	85.5	6.0-5.4/2.7	
	3600	208-230/460	145TC	D2P1DC	$551	DS-3E	1.15	12.8	35	85.5	5.5-5/2.5	
	1800	208-230/460	145TC	D2P2DC	$548	DS-3E	1.15	12.8	35	86.5	5.9-5.6/2.8	
3	3600	208-230/460	145TC	D3P1DC	$566	DS-3E	1.15	13.3	35	85.5	8.3-7.4/3.7	
	1800	208-230/460	182TC	D3P2DC	$582	DS-3E	1.15	14.3	50	90.2	8.3-7.6/3.8	
5	3600	208-230/460	182TC	D5P1DC	$603	DS-3E	1.15	14.3	50	86.5	13.9-12.9/6.5	
	1800	208-230/460	184TC	D5P2DC	$627	DS-3E	1.15	15.8	60	89.5	13.7-12.4/6.2	
7 1/2	3600	208-230/460	184TC	D7P1DC	$942	DS-3E	1.15	15.8	60	88.5	20.3-18.1/9	
	1800	208-230/460	213TC	D7P2DC	$917	DS-3E	1.15	16.8	100	91.0	20.2-18.5/9.3	
10	3600	208-230/460	213TC	D10P1DC	$1,101	DS-3E	1.15	16.8	100	90.2	27.1-24.3/12.2	
	1800	208-230/460	215TC	D10P2DC	$1,116	DS-3E	1.15	18.3	110	92.4	26.3-23.8/11.9	
15	3600	208-230/460	215TC	D15P1DC	$1,513	DS-3E	1.15	18.3	100	90.2	40-36/18	
	1800	230/460	254TC	D15P2EC	$1,526	DS-3E	1.15	19.6	150	93.0	37/18.3	02,03
20	3600	230/460	254TC	D20P1EC	$1,831	DS-3E	1.15	19.6	150	91.7	46/23.1	02,03
	1800	230/460	256TC	D20P2EC	$1,957	DS-3E	1.15	20.8	160	93.0	47/23.6	
25	3600	230/460	256TC	D25P1EC	$2,394	DS-3E	1.15	20.8	160	91.7	57/28.7	02,03
	1800	230/460	284TC	D25P2EC	$2,446	DS-3PO	1.15	25.6	225	93.6	58.0/29.2	
30	3600	230/460	284TSC	D30P1ESC	$2,861	DS-3PO	1.15	24.3	225	91.7	69.0/34	
	1800	208-230/460	286TC	D30P2DC	$2,861	DS-3E	1.15	24.9	350	94.1	77-69/34	02,03
40	3600	230/460	286TSC	D40P1ESC	$3,115	DS-3PO	1.15	24.3	250	92.4	90.0/45	
	1800	208-230/460	324TC	D40P2DC	$3,424	DS-3E	1.15	27.3	385	94.1	102-91/46	02,03
50	3600	230/460	324TSC	D50P1ESC	$3,778	DS-3E	1.15	26.0	385	93.0	112.0/56.0	
	1800	208-230/460	326TC	D50P2DC	$3,921	DS-3E	1.15	27.3	460	94.5	126-113/56	02,03

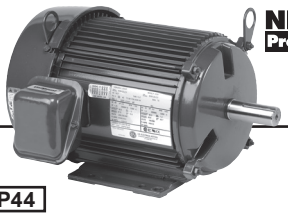
Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	D14P2ACR	$281	DS-3E	1.35	10.9	26	69.5	1.1-1.2/0.6	
1/3	3600	575	56C	D13P1GCR	$305	DS-0	1.15	11.9	35	73.3	0.68	
	1800	208-230/460	56C	D13P2ACR	$299	DS-3E	1.35	10.9	26	73.4	1.4-1.4/0.7	
	1800	575	56C	D13P2GCR	$299	DS-0	1.15	11.39	26	74.8	0.5	
1/2	1800	208-230/460	56C	D12P2ACR	$342	DS-3E	1.25	11.4	26	78.2	1.98-1.9/.98	
3/4	1800	208-230/460	56C	D34P2ACR	$381	DS-3E	1.25	11.9	26	81.1	2.8-2.7/1.4	
1 1/2	3600	208-230/460	56C	D32P1ACR	$502	DS-3E	1.15	11.9	32	84.0	4.7-4.4/2.2	
	1800	208-230/460	56C	D32P2ACR	$499	DS-3E	1.15	13.9	36	86.5	4.2-4.0/2.0	
2	3600	208-230/460	56C	D2P1ACR	$548	DS-3E	1.15	11.9	32	85.5	6.0-5.4/2.7	
	1800	208-230/460	56C	D2P2ACR	$545	DS-3E	1.15	12.9	26	86.5	6.1-6.2/3.1	

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP;
230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz,
460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA®† Premium Efficient



IP44

UTE

APPLICATIONS:

For general industrial equipment including fans, blowers, compressors, pumps and direct connected equipment.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143T	U1P2D	$423	DS-3RST	1.25	13.1	30	85.5	3.1/1.6	03
	900	208-230/460	182T	U1P4D	$1,049	DS-3AL	1.25	12.6	60	75.5	4.5-4.6/2.3	03
1 1/2	1800	208-230/460	145T	U32P2D	$469	DS-3RST	1.25	13.0	35	86.5	4.5-4.3/2.1	03
	1200	200	182T	U32P3H	$751	DS-3AL	1.25	16.5	60	87.5	5.4	
	1200	208-230/460	182T	U32P3D	$751	DS-3AL	1.25	16.1	60	87.5	4.8-4.7/2.3	03
	1200	575	182T	U32P3G	$751	DS-3AL	1.25	16.1	60	87.5	1.8	
	900	208-230/460	184T	U32P4D	$1,164	DS-3AL	1.25	16.9	70	80.0	6.4-6.4/3.2	03
2	1800	200	145T	U2P2H	$514	DS-3RST	1.25	13.0	35	86.5	6 2	
	1800	208-230/460	145T	U2P2D	$514	DS-3RST	1.25	13.0	35	86.5	5.9-5.7/2.8	03
	1800	575	145T	U2P2G	$514	DS-3RST	1.25	13.0	35	86.5	2.3	
	1800	575	56H	U2P2GH	$514	DS-3RST	1.25	12.6	35	86.5	2.3	
	1800	575	56HZ	U2P2GHZ	$514	DS-3RST	1.25	12.6	35	86.5	2.3	
	1200	208-230/460	184T	U2P3D	$836	DS-3AL	1.25	17.3	70	88.5	6.4-6.2/3.1	03
	1200	575	184T	U2P3G	$836	DS-3AL	1.25	16.9	70	88.5	2.5	
	900	208-230/460	213T	U2P4D	$1,296	DS-3AL	1.25	18.6	105	84.0	7-6.6/3.3	03
3	3600	200	182T	U3P1H	$767	DS-3AL	1.25	16.5	60	86.5	8.8	
	3600	208-230/460	182T	U3P1D	$767	DS-3AL	1.25	16.1	60	87.5	8.4-7.8/3.9	03
	3600	575	182T	U3P1G	$767	DS-3AL	1.25	16.1	60	87.5	3.1	
	1800	200	182T	U3P2H	$678	DS-3AL	1.25	16.5	60	89.5	9	
	1800	208-230/460	182T	U3P2D	$678	DS-3AL	1.25	16.5	60	89.5	8.4-7.8/3.9	03
	1800	575	182T	U3P2G	$678	DS-3AL	1.25	16.1	60	89.5	3.2	
	1200	200	213T	U3P3H	$1,036	DS-3AL	1.25	19.1	110	89.5	9.9	
	1200	208-230/460	213T	U3P3D	$1,036	DS-3AL	1.15	18.6	115	89.5	9.3-8.6/4.3	03
	1200	575	213T	U3P3G	$1,036	DS-3AL	1.25	18.6	115	89.5	3.4	
	900	208-230/460	215T	U3P4D	$1,606	DS-3AL	1.25	18.6	120	85.5	10.6-10.3/5.2	03
5	3600	200	184T	U5P1H	$962	DS-3AL	1.25	16.5	70	88.5	14	
	3600	208-230/460	184T	U5P1D	$962	DS-3AL	1.15	16.9	75	88.5	13.4-12.2/6.1	03
	3600	575	184T	U5P1G	$962	DS-3AL	1.25	16.1	75	88.5	4.9	
	1800	200	184T	U5P2H	$788	DS-3AL	1.25	17.3	80	89.5	14.2	
	1800	208-230/460	184T	U5P2D	$788	DS-3AL	1.25	17.3	70	90.2	13.6-12.3/6.2	03
	1800	230/460	184T	U5P2E	$788	DS-3AL	1.25	16.1	70	89.5	12.7/6.3	
	1800	575	184T	U5P2G	$788	DS-3AL	1.25	16.1	70	89.5	5.1	
	1200	200	215T	U5P3H	$1,483	DS-3AL	1.25	20.6	135	89.5	15.9	
	1200	208-230/460	215T	U5P3D	$1,483	DS-3AL	1.25	20.1	140	90.2	15-14/7	03
	1200	575	215T	U5P3G	$1,483	DS-3AL	1.25	20.1	140	89.5	5.6	
	900	208-230/460	254T	U5P4D	$2,299	DS-3AL	1.25	23.9	180	86.5	15.9-14.8/7.4	03
7 1/2	3600	200	213T	U7P1H	$1,192	DS-3AL	1.25	19.1	105	90.2	20.6	
	3600	208-230/460	184T	U7P1AF	$1,074	DS-3AL	1.25	16.5	70	89.5	19.9-17.7/8.9	
	3600	208-230/460	213T	U7P1D	$1,192	DS-3AL	1.25	18.6	105	91.0	19.9-17.8/8.9	03
	3600	575	184T	U7P1GF	$1,074	DS-3AL	1.25	16.1	70	89.5	7.1	
	3600	575	213T	U7P1G	$1,192	DS-3AL	1.25	18.6	105	89.5	7.5	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA®† Premium Efficient

(continued)



UTE

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
7 1/2	1800	200	213T	U7P2H	$1,078	DS-3AL	1.15	19.1	105	91.7	20.8	
	1800	208-230/460	213T	U7P2D	$1,078	DS-3AL	1.25	18.6	125	91.7	20-18.2/9.1	03
	1800	575	213T	U7P2G	$1,078	DS-3AL	1.25	18.6	115	91.7	7.2	
	1200	200	254T	U7P3H	$1,979	DS-3AL	1.15	24.4	180	91.7	21.8	
	1200	208-230/460	254T	U7P3D	$1,979	DS-3AL	1.25	23.9	180	91.0	20.6-19/9.5	03
	1200	575	254T	U7P3G	$1,979	DS-3AL	1.25	23.9	180	91.0	7.6	02
	900	208-230/460	256T	U7P4D	$3,067	DS-3AL	1.25	23.9	230	86.5	23.7-22.3/11.2	03
10	3600	200	215T	U10P1H	$1,397	DS-3AL	1.25	21.6	125	90.2	27	
	3600	208-230/460	215T	U10P1D	$1,397	DS-3AL	1.25	20.1	130	91.0	26.4-23.5/11.8	03
	3600	575	215T	U10P1G	$1,397	DS-3AL	1.25	20.1	130	91.7	9.4	
	1800	200	215T	U10P2H	$1,302	DS-3AL	1.25	20.6	133	91.7	27.5	
	1800	208-230/460	215T	U10P2D	$1,302	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12	03
	1800	575	215T	U10P2G	$1,302	DS-3AL	1.25	20.1	140	91.7	9.6	
	1200	200	256T	U10P3H	$2,390	DS-3AL	1.25	25.6	230	91.7	28.2	
	1200	208-230/460	256T	U10P3D	$2,390	DS-3AL	1.25	25.6	230	91.7	27.1-24.6/12.3	03
	1200	575	256T	U10P3G	$2,390	DS-3AL	1.25	25.6	230	91.7	9.8	02
15	3600	200	254T	U15P1H	$1,999	DS-3AL	1.25	24.4	180	91.0	40	02
	3600	208-230/460	215T	U15P1AF	$1,698	DS-3AL	1.25	20.1	120	91.0	40-35/17.4	
	3600	208-230/460	254T	U15P1D	$1,999	DS-3AL	1.25	23.9	180	91.0	39-35/17.5	03
	3600	575	254T	U15P1G	$1,999	DS-3AL	1.25	23.9	185	91.0	14.1	02
	1800	200	254T	U15P2H	$1,798	DS-3AL	1.25	23.9	180	92.4	42	
	1800	208-230/460	254T	U15P2D	$1,798	DS-3AL	1.25	23.9	180	92.4	40-37/18.4	03
	1800	575	254T	U15P2G	$1,798	DS-3AL	1.25	23.9	180	92.4	14.6	02
20	3600	200	256T	U20P1H	$2,475	DS-3AL	1.25	26.1	230	91.0	53	02
	3600	208-230/460	256T	U20P1D	$2,475	DS-3AL	1.25	25.6	230	91.0	53-46/23.1	02,03
	3600	575	256T	U20P1G	$2,475	DS-3AL	1.25	26.1	230	91.0	18.5	02
	1800	200	256T	U20P2H	$2,216	DS-3AL	1.25	25.6	250	93.0	54	
	1800	208-230/460	256T	U20P2D	$2,216	DS-3AL	1.25	25.6	230	93.0	53-47/23.5	03
	1800	575	256T	U20P2G	$2,216	DS-3AL	1.25	26.1	250	93.0	19	02
25	3600	200	284T	U25P1H	$3,036	DS-3AL	1.25	28.7	250	91.7	65	
	3600	200	284TS	U25P1HS	$3,036	DS-3AL	1.25	27.3	280	91.7	65	
	3600	208-230/460	284T	U25P1D	$3,036	DS-3AL	1.25	28.7	250	91.7	65-57/28.4	03
	3600	208-230/460	284TS	U25P1DS	$3,036	DS-3AL	1.25	27.3	250	91.7	65-57/28.4	03
	3600	575	284T	U25P1G	$3,036	DS-3AL	1.25	28.7	250	91.7	22.7	02
	3600	575	284TS	U25P1GS	$3,036	DS-3AL	1.25	27.3	250	91.7	22.7	02
	1800	200	284T	U25P2H	$2,659	DS-3AL	1.25	28.7	290	93.6	67	
	1800	200	284TS	U25P2HS	$2,659	DS-3AL	1.25	27.3	290	93.6	67	
	1800	208-230/460	284T	U25P2D	$2,659	DS-3AL	1.25	28.3	280	93.6	65-59/29.3	03
	1800	208-230/460	284TS	U25P2DS	$2,659	DS-3AL	1.25	27.3	280	93.6	65-59/29.3	03
	1800	575	284T	U25P2G	$2,659	DS-3AL	1.25	28.7	280	93.6	23.4	02
	1800	575	284TS	U25P2GS	$2,659	DS-3AL	1.25	27.3	290	93.6	23.4	02
30	1800	200	286T	U30P2H	$3,101	DS-3AL	1.25	28.3	325	93.6	81	
	1800	208-230/460	286T	U30P2D	$3,101	DS-3AL	1.25	28.7	325	93.6	78-70/35	03
	1800	208-230/460	286TS	U30P2DS	$3,101	DS-3AL	1.25	27.3	325	93.6	78-70/35	03
	1800	575	286T	U30P2G	$3,101	DS-3AL	1.25	28.7	325	93.6	28.1	02

Note 02 Suitable for Wye-Delta start on voltages shown
Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA®† Premium Efficient, C-Face Footed



NEMA Premium

IP44

UTE

APPLICATIONS:

For general industrial equipment including fans, blowers, compressors, pumps and direct connected equipment.

FEATURES:

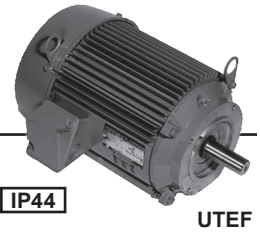
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes
- Refer to Page vii for Suitability of IHP Motors on Variable Frequency Drives
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	1200	208-230/460	182TC	U32P3DC	$845	DS-3AL	1.25	16.2	60	87.5	4.8-4.7/2.3	03
	1200	575	182TC	U32P3GC	$845	DS-3AL	1.25	16.2	60	87.5	1.8	
2	1200	208-230/460	184TC	U2P3DC	$930	DS-3AL	1.25	16.9	70	88.5	6.4-6.2/3.1	03
	1200	575	184TC	U2P3GC	$930	DS-3AL	1.25	16.2	70	88.5	2.5	
3	3600	208-230/460	182TC	U3P1DC	$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	03
	3600	208-230/460	182TCH	U3P1DK	$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	03
	3600	575	182TC	U3P1GC	$860	DS-3AL	1.25	16.2	60	87.5	3.1	
	1800	208-230/460	182TC	U3P2DC	$772	DS-3AL	1.25	16.2	70	89.5	8.4-7.8/3.9	03
	1800	208-230/460	182TCH	U3P2DK	$772	DS-3AL	1.25	16.2	60	89.5	8.4-7.8/3.9	03
	1800	575	182TC	U3P2GC	$772	DS-3AL	1.25	16.2	60	89.5	3.2	
	1200	208-230/460	213TC	U3P3DC	$1,150	DS-3AL	1.15	18.8	110	89.5	9.3-8.6/4.3	03
5	3600	208-230/460	184TC	U5P1DC	$1,056	DS-3AL	1.15	16.2	75	88.5	13.4-12.2/6.1	03
	3600	208-230/460	184TCH	U5P1DK	$1,056	DS-3AL	1.15	16.2	75	88.5	13.4-12.2/6.1	03
	3600	575	184TC	U5P1GC	$1,056	DS-3AL	1.25	16.2	70	88.5	4.9	
	1800	200	184TCH	U5P2HK	$882	DS-3AL	1.25	16.9	80	89.5	14.2	03
	1800	208-230/460	184TC	U5P2DC	$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	03
	1800	208-230/460	184TCH	U5P2DK	$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	03
	1800	575	184TC	U5P2GC	$882	DS-3AL	1.25	16.9	70	89.5	5	
	1200	208-230/460	215TC	U5P3DC	$1,597	DS-3AL	1.25	20.3	135	90.2	15-14/7	03
	1200	575	215TC	U5P3GC	$1,597	DS-3AL	1.25	20.3	135	89.5	5.6	
7 1/2	3600	208-230/460	213TC	U7P1DC	$1,306	DS-3AL	1.25	18.8	105	91.0	19.9-17.8/8.9	03
	3600	575	213TC	U7P1GC	$1,306	DS-3AL	1.25	18.8	105	89.5	7.5	
	1800	208-230/460	213TC	U7P2DC	$1,192	DS-3AL	1.25	19.1	105	91.7	20-18.2/9.1	03
	1800	575	213TC	U7P2GC	$1,192	DS-3AL	1.25	18.8	105	91.7	7.2	
	1200	208-230/460	254TC	U7P3DC	$2,147	DS-3AL	1.25	23.9	180	91.0	20.6-19/9.5	03
	1200	575	254TC	U7P3GC	$2,147	DS-3AL	1.25	24.0	180	91.0	7.6	
10	3600	208-230/460	215TC	U10P1DC	$1,511	DS-3AL	1.25	20.3	125	91.0	26.4-23.5/11.8	03
	3600	575	215TC	U10P1GC	$1,511	DS-3AL	1.25	20.1	125	91.7	9.4	
	1800	208-230/460	215TC	U10P2DC	$1,416	DS-3AL	1.25	20.3	133	91.7	26.5-23.9/12	03
	1800	575	215TC	U10P2GC	$1,416	DS-3AL	1.25	20.3	133	91.7	9.6	
	1200	208-230/460	256TC	U10P3DC	$2,558	DS-3AL	1.25	25.8	230	91.7	27.1-24.6/12.3	03
15	3600	208-230/460	215TC	U15P1DFC	$1,812	DS-3AL	1.25	20.3	120	91.0	40-35/17.4	03
	3600	208-230/460	254TC	U15P1DC	$2,174	DS-3AL	1.25	24.0	180	91.0	39-35/17.5	02,03
	3600	575	254TC	U15P1GC	$2,174	DS-3AL	1.25	24.0	185	91.0	14.1	
	1800	208-230/460	254TC	U15P2DC	$1,973	DS-3AL	1.15	23.9	180	92.4	40-37/18.4	03
20	3600	208-230/460	256TC	U20P1DC	$2,650	DS-3AL	1.25	25.6	230	91.0	53-46/23.1	02,03
	3600	575	256TC	U20P1GC	$2,650	DS-3AL	1.25	25.8	230	91.0	18.5	02
	1800	208-230/460	256TC	U20P2DC	$2,391	DS-3AL	1.25	25.8	230	93.0	53-47/23.5	03
25	3600	208-230/460	284TC	U25P1DC	$3,268	DS-3AL	1.25	28.3	250	91.7	65-57/28.4	03
	1800	208-230/460	284TC	U25P2DC	$2,890	DS-3AL	1.25	28.3	280	93.6	65-59/29.3	03
30	1800	208-230/460	286TC	U30P2DC	$3,333	DS-3AL	1.25	28.4	325	93.6	78-73/36	03

Note 02 Suitable for Wye-Delta start on voltages shown
Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)
UNIMOUNT® NEMA®† Premium Efficient, C-Face Footless

NEMA Premium



IP44

UTEF

APPLICATIONS:

For general industrial equipment including fans, blowers, compressors, pumps and direct connected equipment.

FEATURES:

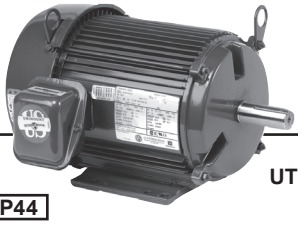
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	1200	208-230/460	182TC	U32P3DCR	$815	DS-3AL	1.25	16.2	60	87.5	4.8-4.7/2.3	03
2	1200	208-230/460	184TC	U2P3DCR	$900	DS-3AL	1.15	16.9	70	88.5	6.4-6.2/3.1	03
3	3600	208-230/460	182TC	U3P1DCR	$830	DS-3AL	1.25	16.2	60	87.5	8.4-7.8/3.9	03
	3600	208-230/460	182TCH	U3P1DKR	$830	DS-3AL	1.25	16.2	60	87.5	8.4-7.8/3.9	03
	1800	208-230/460	182TC	U3P2DCR	$742	DS-3AL	1.25	16.1	60	89.5	8.4-7.8/3.9	03
	1800	208-230/460	182TCH	U3P2DKR	$742	DS-3AL	1.25	16.2	60	89.5	8.4-7.8/3.9	03
	1800	575	182TC	U3P2GCR	$742	DS-3AL	1.25	16.2	60	89.5	3.2	
	1200	208-230/460	213TC	U3P3DCR	$1,105	DS-3AL	1.15	18.6	105	89.5	9.3-8.6/4.3	03
5	3600	208-230/460	184TC	U5P1DCR	$1,026	DS-3AL	1.15	16.9	70	88.5	13.4-12.2/6.1	03
	3600	208-230/460	184TCH	U5P1DKR	$1,026	DS-3AL	1.15	16.9	70	88.5	13.4-12.2/6.1	03
	1800	208-230/460	184TC	U5P2DCR	$852	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	03
	1800	208-230/460	184TCH	U5P2DKR	$852	DS-3AL	1.25	16.9	70	90.2	13.6-12.3/6.2	03
	1800	575	184TC	U5P2GCR	$852	DS-3AL	1.25	16.9	70	89.5	5	
	1200	208-230/460	215TC	U5P3DCR	$1,552	DS-3AL	1.25	20.1	120	90.2	15-14/7	03
7 1/2	3600	208-230/460	213TC	U7P1DCR	$1,147	DS-3AL	1.25	18.6	105	91.0	19.9-17.8/8.9	03
	1800	208-230/460	213TC	U7P2DCR	$1,147	DS-3AL	1.25	18.6	110	91.7	20-18.2/9.1	03
	1800	575	213TC	U7P2GCR	$1,147	DS-3AL	1.25	18.6	105	91.7	7.2	
	1200	208-230/460	254TC	U7P3DCR	$2,087	DS-3AL	1.25	23.9	180	91.0	20.6-19/9.5	03,02
10	3600	208-230/460	215TC	U10P1DCR	$1,466	DS-3AL	1.25	20.1	120	91.0	26.4-23.5/11.8	03
	1800	208-230/460	215TC	U10P2DCR	$1,371	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12	03
	1800	575	215TC	U10P2GCR	$1,371	DS-3AL	1.25	20.1	120	91.7	9.6	
	1200	208-230/460	256TC	U10P3DCR	$2,498	DS-3AL	1.25	25.7	230	91.7	27.1-24.6/12.3	02,03
15	3600	208-230/460	215TC	U15P1DFCR	$1,767	DS-3AL	1.25	20.1	120	91.0	40-35/17.4	03
	3600	208-230/460	254TC	U15P1DCR	$2,114	DS-3AL	1.25	23.9	180	91.0	39-35/17.5	02,03
	1800	208-230/460	254TC	U15P2DCR	$1,913	DS-3AL	1.15	23.9	180	92.4	40-37/18.4	02,03
	1800	575	254TC	U15P2GCR	$1,913	DS-3AL	1.25	23.9	180	92.4	14.6	
20	3600	208-230/460	256TC	U20P1DCR	$2,590	DS-3AL	1.25	25.6	230	91.0	53-46/23.1	02,03
	1800	208-230/460	256TC	U20P2DCR	$2,331	DS-3AL	1.25	25.6	230	93.0	53-47/23.5	02,03
25	3600	208-230/460	284TC	U25P1DCR	$3,208	DS-3AL	1.25	28.3	280	91.7	65-57/28.4	02,03
	1800	208-230/460	284TC	U25P2DCR	$2,830	DS-3AL	1.25	28.3	280	93.6	65-59/29.3	02,03
30	1800	208-230/460	286TC	U30P2DCR	$3,273	DS-3AL	1.25	28.3	300	93.6	78-70/35	02,03

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Definite Purpose Three Phase, UNIMOUNT® Totally Enclosed Fan Cooled (TEFC) Multi-Speed



UT

IP44

APPLICATIONS:

For applications requiring more than one standard speed.

FEATURES:

- Class F Insulation
- Extruded Aluminum Frame (140: Rolled Steel)
- Aluminum End Shields With Steel Bearing Inserts
- 40°C Ambient
- Regreasable Bearings 250 Frame & Up
- Double Shielded Bearings
- Removable Base 180 Frame & Up
- Lifting Provisions 180 Frame & Up
- Conversion Kits: C&D Flanges
- 1.0 Service Factor Or Higher

Variable Torque, 1800/900 RPM, One Winding

HP (HP-Low)	RPM/RPM-Low (# Wdgs)	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1 (1/4)	1800/900 (1)	460	143T	U1L9C	$700	DS-3MS	1.25	13.0	34	78.5	1.6	
1 1/2 (3/8)	1800/900 (1)	460	145T	U32L9C	$770	DS-3MS	1.25	13.0	34	78.5	2.4	
2 (1/2)	1800/900 (1)	460	145T	U2L9C	$850	DS-3MS	1.25	14.0	42	81.5	3	
3 (3/4)	1800/900 (1)	460	182T	U3L9C	$884	DS-3MS	1.25	16.0	52	80.0	4.4	
5 (1-1/4)	1800/900 (1)	460	184T	U5L9C	$1,234	DS-3MS	1.15	17.0	64	84.0	7	
7 1/2 (1-7/8)	1800/900 (1)	460	213T	U7L9C	$1,532	DS-3MS	1.25	19.0	102	87.5	9.5	
10 (2-1/2)	1800/900 (1)	460	215T	U10L9C	$1,936	DS-3MS	1.15	20.0	130	84.0	13	
15 (3-3/4)	1800/900 (1)	460	254T	U15L9C	$2,544	DS-3MS	1.25	24.0	222	87.5	18.6	
20 (5)	1800/900 (1)	460	256T	U20L9C	$3,166	DS-3MS	1.15	26.0	242	87.5	24.4	
25/ (6-1/4)	1800/900 (1)	460	286T	U25L9C	$3,730	DS-3MS	1.15	28.0	262	87.5	30	

Constant Torque, 1800/900 RPM, One Winding

HP (HP-Low)	RPM/RPM-Low (# Wdgs)	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1 (1/2)	1800/900 (1)	460	145T	U1R9C	$846	DS-3MS	1.25	14.0	42	81.5	1.5	
1 1/2 (3/4)	1800/900 (1)	460	182T	U32R9C	$928	DS-3MS	1.25	16.0	58	80.0	2.2	
2 (1)	1800/900 (1)	460	182T	U2R9C	$1,026	DS-3MS	1.25	16.0	40	80.0	2.8	
3 (1-1/2)	1800/900 (1)	460	184T	U3R9C	$1,065	DS-3MS	1.15	16.0	67	78.5	4.1	
5 (2-1/2)	1800/900 (1)	460	215T	U5R9C	$1,490	DS-3MS	1.25	20.0	112	82.5	6.6	
7 1/2 (3-3/4)	1800/900 (1)	460	254T	U7R9C	$1,851	DS-3MS	1.15	24.0	190	84.0	9.6	
10 (5)	1800/900 (1)	460	256T	U10R9C	$2,338	DS-3MS	1.00	26.0	238	84.0	12.7	
15 (7-1/2)	1800/900 (1)	460	284T	U15R9C	$3,068	DS-3MS	1.25	28.0	262	85.5	18.6	
20 (10)	1800/900 (1)	460	286T	U20R9C	$3,820	DS-3MS	1.15	28.0	262	85.5	24.7	

Constant Torque, 1800/1200 RPM, Two Winding

HP (HP-Low)	RPM/RPM-Low (# Wdgs)	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1 1/2 (1)	1800/1200 (2)	460	182T	U32D10C	$1,273	DS-3MS	1.25	16.0	50	75.5	2.7	
2 (1-1/3)	1800/1200 (2)	460	184T	U2D10C	$1,403	DS-3MS	1.25	17.0	85	77.0	3.4	
7 1/2 (5)	1800/1200 (2)	460	254T	U7D10C	$2,537	DS-3MS	1.25	24.0	232	84.0	10.1	
10 (6-2/3)	1800/1200 (2)	460	256T	U10D10C	$3,207	DS-3MS	1.25	26.0	262	85.5	12.9	
15 (10)	1800/1200 (2)	460	286T	U15D10C	$4,210	DS-3MS	1.25	28.0	262	86.5	18.8	

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY® NEMA®† Premium Efficient

NEMA Premium

IP54



CTE

APPLICATIONS:

For pulp & paper plants, saw mills, mines, foundries, chemical plants, waste management facilities, and other process-related industries requiring protection within harsh operating conditions.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Corrosion Resistant Mill & Chemical Duty Paint
- Cast Iron Frame, Cast Iron End Brackets
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Dual Voltage 230/460 Volts (1-100 HP)
- 40°C Ambient, NEMA®† Design B Performance On 60 Hz Sine Wave Power
- Self-Certified Class I, Division 2, Groups A, B, C, & D Double Shielded Bearings 140-360, Open on 400-440
- Steel Fan Cover & Conduit Box
- 1.15 Service Factor @ 60 Hz
- Field Convertible To F2 Mounting
- Condensation Drains With Plastic Plugs
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits
- Bearing Caps On 400-440
- Suitable for 20:1 (3-60hz) Variable Torque; 4:1 (15-60hz) Constant Torque On Inverter Power
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	200	143T	HD1P2H	$461	DS-3HDW	1.15	13.5	60	85.5	3.4/3.4	
	1800	230/460	143T	HD1P2E	$461	DS-3HDW	1.25	13.5	60	85.5	3/1.5	105,G
	1800	575	143T	HD1P2G	$461	DS-3HDW	1.15	13.5	60	85.5	1.2	
	1200	200	145T	HD1P3H	$588	DS-3HDW	1.15	13.5	70	82.5	4.1/4.1	
	1200	230/460	145T	HD1P3E	$588	DS-3HDW	1.25	13.5	70	82.5	3.7/1.8	105,G
	1200	575	145T	HD1P3G	$588	DS-3HDW	1.15	13.5	70	82.5	1.4	
	900	230/460	182T	HD1P4E	$840	DS-3HDW	1.15	16.3	80	75.5	4.5/2.3	105,G
1 1/2	3600	200	143T	HD32P1H	$513	DS-3HDW	1.15	13.5	50	84.0	4.5/4.4	
	3600	230/460	143T	HD32P1E	$513	DS-3HDW	1.25	13.5	50	84.0	4.2-3.9/1.9	105,G
	3600	575	143T	HD32P1G	$513	DS-3HDW	1.15	13.5	50	84.0	1.6	
	1800	200	145T	HD32P2H	$492	DS-3HDW	1.15	13.5	70	86.5	4.7/4.7	
	1800	230/460	145T	HD32P2E	$492	DS-3HDW	1.25	13.5	70	86.5	4.1/2.1	105,G
	1800	575	145T	HD32P2G	$492	DS-3HDW	1.15	13.5	70	86.5	1.6	
	1200	200	182T	HD32P3H	$662	DS-3HDW	1.15	16.3	90	87.5	5.1/5.1	
	1200	230/460	182T	HD32P3E	$662	DS-3HDW	1.25	16.3	90	87.5	4.5/2.2	105,G
	1200	575	182T	HD32P3G	$662	DS-3HDW	1.15	16.3	90	87.5	1.8	
	900	230/460	184T	HD32P4E	$1,025	DS-3HDW	1.15	16.3	100	78.5	6.3/3.1	105,G
2	3600	200	145T	HD2P1H	$533	DS-3HDW	1.15	13.5	50	85.5	5.7/5.6	
	3600	230/460	145T	HD2P1E	$533	DS-3HDW	1.25	13.5	50	85.5	5/2.5	105,G
	3600	575	145T	HD2P1G	$533	DS-3HDW	1.15	13.5	50	86.5	2	
	1800	200	145T	HD2P2H	$541	DS-3HDW	1.15	13.5	70	86.5	6.2/6.1	
	1800	230/460	145T	HD2P2E	$541	DS-3HDW	1.25	13.5	70	86.5	5.3/2.7	105,G
	1800	575	145T	HD2P2G	$541	DS-3HDW	1.15	13.5	70	86.5	2.1	
	1200	200	184T	HD2P3H	$755	DS-3HDW	1.15	16.3	100	88.5	7/7	
	1200	230/460	184T	HD2P3E	$755	DS-3HDW	1.25	16.3	100	88.5	6.2/3.1	105,G
	1200	575	184T	HD2P3G	$755	DS-3HDW	1.15	16.3	100	88.5	2.5	
	900	230/460	213T	HD2P4E	$1,045	DS-3HDW	1.15	19.6	120	84.0	6.6/3.3	105,G
3	3600	200	182T	HD3P1H	$619	DS-3HDW	1.15	16.3	70	86.5	9.3	
	3600	230/460	182T	HD3P1E	$619	DS-3HDW	1.25	16.3	70	86.5	8.2/4.1	105,G
	3600	575	182T	HD3P1G	$619	DS-3HDW	1.15	16.3	80	86.5	3.3	
	1800	200	182T	HD3P2H	$590	DS-3HDW	1.15	16.3	90	89.5	8.8/8.6	
	1800	230/460	182T	HD3P2E	$590	DS-3HDW	1.25	16.3	90	89.5	7.8/3.9	105,G
	1800	575	182T	HD3P2G	$590	DS-3HDW	1.15	16.3	100	89.5	3.1	
	1200	200	213T	HD3P3H	$940	DS-3HDW	1.15	19.6	150	89.5	9.8/9.6	
	1200	230/460	213T	HD3P3E	$940	DS-3HDW	1.25	19.6	150	89.5	8.6/4.3	105,G
	1200	575	213T	HD3P3G	$940	DS-3HDW	1.15	19.6	150	90.2	3.5	
	900	230/460	215T	HD3P4E	$1,457	DS-3HDW	1.15	19.6	150	85.5	10.4/5.2	105,G

Note 105 208 Volt Suitable

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)
World Motor HOSTILE DUTY® NEMA®† Premium Efficient

NEMA Premium



IP54

CTE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
5	3600	200	184T	HD5P1H	$734	DS-3HDW	1.15	16.3	90	88.5	14.1/13.8	
	3600	230/460	184T	HD5P1E	$734	DS-3HDW	1.25	16.3	90	88.5	12.3/6.1	105,G
	3600	575	184T	HD5P1G	$734	DS-3HDW	1.15	16.3	90	88.5	4.9	
	1800	200	184T	HD5P2H	$673	DS-3HDW	1.15	16.3	100	89.5	14.5/14.2	
	1800	230/460	184T	HD5P2E	$673	DS-3HDW	1.25	16.3	100	89.5	12.7/6.3	105,G
	1800	575	184T	HD5P2G	$673	DS-3HDW	1.15	16.3	110	89.5	5.1	
	1200	200	215T	HD5P3H	$1,213	DS-3HDW	1.15	19.6	170	89.5	16.4/16.3	
	1200	230/460	215T	HD5P3E	$1,213	DS-3HDW	1.25	19.6	170	89.5	14.2/7.1	105,G
	1200	575	215T	HD5P3G	$1,213	DS-3HDW	1.15	19.6	170	89.5	5.7	
	900	230/460	254T	HD5P4E	$1,899	DS-3HDW	1.15	24.9	220	86.5	15/7.5	02,105,G
7 1/2	3600	200	213T	HD7P1H	$955	DS-3HDW	1.15	19.6	130	89.5	20.8/20.1	
	3600	230/460	213T	HD7P1E	$955	DS-3HDW	1.25	19.6	130	89.5	18.1/9	105,G
	3600	575	213T	HD7P1G	$955	DS-3HDW	1.15	19.6	130	89.5	7.2	
	1800	200	213T	HD7P2H	$917	DS-3HDW	1.15	19.6	150	91.7	22/21.6	
	1800	230/460	213T	HD7P2E	$917	DS-3HDW	1.25	19.6	150	91.7	19.1/9.6	105,G
	1800	575	213T	HD7P2G	$917	DS-3HDW	1.15	19.6	160	91.7	7.8	
	1200	230/460	254T	HD7P3E	$1,629	DS-3HDW	1.25	24.9	300	91.0	18.8/9.4	105,G
	1200	575	254T	HD7P3G	$1,629	DS-3HDW	1.15	24.9	240	91.0	7.6	
	900	230/460	256T	HD7P4E	$2,476	DS-3HDW	1.15	24.9	250	86.5	22.3/11.1	02,105,G
10	3600	200	215T	HD10P1H	$1,114	DS-3HDW	1.15	19.6	140	90.2	27/25.9	
	3600	230/460	215T	HD10P1E	$1,114	DS-3HDW	1.25	19.6	140	90.2	23.5/11.8	105,G
	3600	575	215T	HD10P1G	$1,114	DS-3HDW	1.15	19.6	140	90.2	9.3	
	1800	200	215T	HD10P2H	$1,142	DS-3HDW	1.15	19.6	170	91.7	29.3/29	
	1800	230/460	215T	HD10P2E	$1,142	DS-3HDW	1.25	19.6	160	91.7	27.5-25.7/12.8	105,G
	1800	575	215T	HD10P2G	$1,142	DS-3HDW	1.15	19.6	170	91.7	10.3	
	1200	230/460	256T	HD10P3E	$1,936	DS-3HDW	1.25	24.9	340	91.0	24.9/12.4	105,G
	1200	575	256T	HD10P3G	$1,936	DS-3HDW	1.15	24.9	260	91.0	10	
	900	230/460	284T	HD10P4E	$2,883	DS-3HDW	1.15	27.5	310	89.5	28.3/14.2	02,105,G
15	3600	200	254T	HD15P1H	$1,568	DS-3HDW	1.15	24.9	250	91.0	40/38	
	3600	230/460	254T	HD15P1E	$1,568	DS-3HDW	1.25	24.9	250	91.0	35/17.4	105,G
	3600	575	254T	HD15P1G	$1,568	DS-3HDW	1.15	24.9	260	91.0	13.9	
	1800	200	254T	HD15P2H	$1,528	DS-3HDW	1.15	24.9	250	92.4	41	02
	1800	230/460	254T	HD15P2E	$1,528	DS-3HDW	1.25	24.9	250	92.4	40-36/18	02,105,G
	1800	575	254T	HD15P2G	$1,528	DS-3HDW	1.15	24.9	290	92.4	14.5	02
	1200	230/460	284T	HD15P3E	$2,558	DS-3HDW	1.25	27.5	310	91.7	37/18.5	105,G
	1200	575	284T	HD15P3G	$2,558	DS-3HDW	1.15	27.5	310	91.7	14.7	
	900	230/460	286T	HD15P4E	$3,773	DS-3HDW	1.15	27.5	370	89.5	42/20.9	02,105,G
20	3600	200	256T	HD20P1H	$1,944	DS-3HDW	1.15	24.9	260	91.0	53/51	
	3600	230/460	256T	HD20P1E	$1,944	DS-3HDW	1.25	24.9	260	91.0	46/23	02,105,G
	3600	575	256T	HD20P1G	$1,944	DS-3HDW	1.15	24.9	270	91.0	18.4	
	1800	200	256T	HD20P2H	$1,901	DS-3HDW	1.15	24.9	280	93.0	55/53	02
	1800	230/460	256T	HD20P2E	$1,901	DS-3HDW	1.25	24.9	280	93.0	47/23.7	02,105,G
	1800	575	256T	HD20P2G	$1,901	DS-3HDW	1.15	24.9	290	93.0	18.9	02
	1200	230/460	286T	HD20P3E	$3,144	DS-3HDW	1.25	27.5	350	91.7	49/24.4	02,105,G
	1200	575	286T	HD20P3G	$3,144	DS-3HDW	1.15	27.5	350	91.7	19.6	
	900	230/460	324T	HD20P4E	$4,054	DS-3HDW	1.15	30.1	600	91.0	59-53/26.6	02,105,G
25	3600	200	284TS	HD25P1HS	$2,311	DS-3HDW	1.15	26.1	325	91.7	66/63	
	3600	230/460	284T	HD25P1E	$2,311	DS-3HDW	1.25	27.5	310	91.7	58/28.8	105,G
	3600	230/460	284TS	HD25P1ES	$2,311	DS-3HDW	1.15	26.1	310	91.7	58/28.8	105,G

Note 02 Suitable for Wye-Delta start on voltages shown
Note 105 208 Volt Suitable

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)
World Motor HOSTILE DUTY® NEMA®† Premium Efficient

NEMA Premium



IP54

CTE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
25	3600	575	284TS	HD25P1GS	$2,311	DS-3HDW	1.15	26.1	310	91.7	23	
	1800	200	284T	HD25P2H	$2,236	DS-3HDW	1.15	27.5	335	93.6	67/66	02
	1800	230/460	284T	HD25P2E	$2,236	DS-3HDW	1.25	27.5	330	93.6	58/29.2	02,105,G
	1800	230/460	284TS	HD25P2ES	$2,236	DS-3HDW	1.15	26.1	330	93.6	58/29.2	02,105,G
	1800	575	284T	HD25P2G	$2,236	DS-3HDW	1.15	27.5	330	93.6	23.3	02
	1200	230/460	324T	HD25P3E	$4,017	DS-3HDW	1.25	30.1	490	93.0	59/29.3	105,G
	1200	575	324T	HD25P3G	$4,017	DS-3HDW	1.15	30.1	490	93.0	23.4	
	900	230/460	326T	HD25P4E	$5,269	DS-3HDW	1.15	30.1	625	91.0	74-66/33	02,105,G
30	3600	200	286TS	HD30P1HS	$2,772	DS-3HDW	1.15	26.1	325	91.7	80/77	02
	3600	230/460	286T	HD30P1E	$2,772	DS-3HDW	1.25	27.5	310	91.7	69/35	105,G
	3600	230/460	286TS	HD30P1ES	$2,772	DS-3HDW	1.15	26.1	310	91.7	69/35	105,G
	3600	575	286TS	HD30P1GS	$2,772	DS-3HDW	1.15	26.1	310	91.7	27.7	
	1800	200	286T	HD30P2H	$2,655	DS-3HDW	1.15	27.5	345	93.6	82/81	02
	1800	230/460	286T	HD30P2E	$2,655	DS-3HDW	1.25	27.5	340	93.6	70/35	02,105,G
	1800	230/460	286TS	HD30P2ES	$2,655	DS-3HDW	1.15	26.1	340	93.6	70/35	02,105,G
	1800	575	286T	HD30P2G	$2,655	DS-3HDW	1.15	27.5	340	93.6	28.1	02
	1200	230/460	326T	HD30P3E	$4,569	DS-3HDW	1.25	30.1	520	92.4	70/35	105,G
	1200	575	326T	HD30P3G	$4,569	DS-3HDW	1.15	30.1	520	93.0	28	
	900	230/460	364T	HD30P4E	$5,891	DS-3HDW	1.15	32.3	740	91.7	87-81/40	02,105,G
40	3600	200	324TS	HD40P1HS	$3,268	DS-3HDW	1.15	28.6	410	92.4	107/102	
	3600	230/460	324TS	HD40P1ES	$3,268	DS-3HDW	1.25	28.6	410	92.4	92/46	105,G
	3600	575	324TS	HD40P1GS	$3,268	DS-3HDW	1.15	28.6	410	92.4	37	
	1800	200	324T	HD40P2H	$3,169	DS-3HDW	1.15	30.1	450	94.1	106/104	
	1800	230/460	324T	HD40P2E	$3,169	DS-3HDW	1.25	30.1	450	94.1	92/46	02,105,G
	1800	230/460	324TS	HD40P2ES	$3,169	DS-3HDW	1.15	28.6	450	94.1	92/46	02,105,G
	1800	575	324T	HD40P2G	$3,169	DS-3HDW	1.15	30.1	450	94.1	37	02
	1200	200	364T	HD40P3H	$5,062	DS-3HDW	1.15	32.3	630	94.1	108/106	02
	1200	230/460	364T	HD40P3E	$5,062	DS-3HDW	1.25	32.3	630	94.1	94/47	02,105,G
	1200	575	364T	HD40P3G	$5,062	DS-3HDW	1.15	32.3	630	94.1	37	02
	900	230/460	365T	HD40P4E	$7,340	DS-3HDW	1.15	32.3	910	92.4	116-105/53	02,105,G
	900	230/460	365T	HD40P4E	$7,340	DS-3HDW	1.15	32.3	910	92.4	105/53	02,105,G
50	3600	200	326TS	HD50P1HS	$4,379	DS-3HDW	1.15	28.6	480	93.0	129/123	
	3600	230/460	326TS	HD50P1ES	$4,379	DS-3HDW	1.25	28.6	480	93.0	112/56	105,G
	3600	575	326TS	HD50P1GS	$4,379	DS-3HDW	1.15	28.6	480	93.0	45	
	1800	200	326T	HD50P2H	$3,934	DS-3HDW	1.15	30.1	550	94.5	128/123	02
	1800	230/460	326T	HD50P2E	$3,934	DS-3HDW	1.25	30.1	550	94.5	112/56	02,105,G
	1800	230/460	326TS	HD50P2ES	$3,934	DS-3HDW	1.15	28.6	550	94.5	112/56	02,105,G
	1800	575	326T	HD50P2G	$3,934	DS-3HDW	1.15	30.1	550	94.5	45	02
	1200	200	365T	HD50P3H	$6,295	DS-3HDW	1.15	32.3	680	94.1	134/130	02
	1200	230/460	365T	HD50P3E	$6,295	DS-3HDW	1.25	32.3	680	94.1	117/59	02,105,G
	1200	575	365T	HD50P3G	$6,295	DS-3HDW	1.15	32.3	680	94.1	47	02
	1200	575	365T	HD50P3G	$6,295	DS-3HDW	1.15	32.3	680	94.1	47	02
60	3600	200	364TS	HD60P1HS	$5,631	DS-3HDW	1.15	30.2	560	93.6	158/154	02
	3600	230/460	364TS	HD60P1ES	$5,631	DS-3HDW	1.25	30.2	560	93.6	136/69	02,105,G
	3600	575	364TS	HD60P1GS	$5,631	DS-3HDW	1.15	30.2	560	93.6	55	02
	1800	200	364T	HD60P2H	$5,504	DS-3HDW	1.15	32.3	640	95.0	158/153	02
	1800	230/460	364T	HD60P2E	$5,504	DS-3HDW	1.25	32.3	640	95.0	137/68	02,105,G
	1800	230/460	364TS	HD60P2ES	$5,504	DS-3HDW	1.15	30.2	640	95.0	137/68	02,105,G
	1800	575	364T	HD60P2G	$5,504	DS-3HDW	1.15	32.3	640	95.0	55	02
	1200	230/460	404T	HD60P3E	$7,406	DS-3HDW	1.25	37.6	940	94.5	141/71	02,105,G
	1200	575	404T	HD60P3G	$7,406	DS-3HDW	1.15	37.6	940	94.5	57	02

Note 02 Suitable for Wye-Delta start on voltages shown
Note 105 208 Volt Suitable

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)
World Motor HOSTILE DUTY® NEMA®† Premium Efficient

NEMA Premium



IP54

CTE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
75	3600	200	365TS	HD75P1HS	$7,251	DS-3HDW	1.15	30.2	650	93.6	190/184	02
	3600	230/460	365TS	HD75P1ES	$7,251	DS-3HDW	1.25	30.2	650	94.1	165/83	02,105,G
	3600	575	365TS	HD75P1GS	$7,251	DS-3HDW	1.15	30.2	650	94.1	66	02
	1800	200	365T	HD75P2H	$6,720	DS-3HDW	1.15	32.3	700	95.4	196/190	02
	1800	230/460	365T	HD75P2E	$6,720	DS-3HDW	1.15	32.3	700	95.4	170/85	02,105,G
	1800	460	365T	HD75P2F	$6,720	DS-3HDW	1.25	32.3	765	95.4	84	
	1800	230/460	365T	HD75P2EB	$6,720	DS-3HDW	1.15	32.3	700	95.4	170/85	02,09
	1800	230/460	365TS	HD75P2ES	$6,720	DS-3HDW	1.15	30.2	700	95.4	170/85	02,105,G
	1800	575	365T	HD75P2G	$6,720	DS-3HDW	1.15	32.3	700	95.4	68	02
	1200	230/460	405T	HD75P3E	$8,811	DS-3HDW	1.25	37.6	970	94.5	178/89	02,105,G
	1200	230/460	405T	HD75P3EB	$8,811	DS-3HDW	1.15	37.6	970	94.5	178/89	105,G
	1200	575	405T	HD75P3G	$8,811	DS-3HDW	1.15	37.6	970	94.5	71	02
100	3600	230/460	405TS	HD100P1ES	$9,720	DS-3HDW	1.25	34.6	900	94.1	228/114	02,105,G
	3600	575	405TS	HD100P1GS	$9,720	DS-3HDW	1.15	34.6	920	94.1	91	02
	1800	200	405T	HD100P2H	$8,811	DS-3HDW	1.15	37.7	1040	95.4	259/251	02
	1800	200	405TS	HD100P2HS	$8,811	DS-3HDW	1.15	34.6	1040	95.4	259/251	02
	1800	230/460	405T	HD100P2E	$8,811	DS-3HDW	1.25	37.7	980	95.4	229/115	02,105,G
	1800	230/460	405T	HD100P2EB	$8,811	DS-3HDW	1.15	37.7	980	95.4	229/115	02,09,105,G
	1800	230/460	405TS	HD100P2ES	$8,811	DS-3HDW	1.15	34.6	980	95.4	229/115	02,105,G
	1800	575	405T	HD100P2G	$8,811	DS-3HDW	1.15	37.6	1010	95.4	91	02
	1200	230/460	444T	HD100P3E	$11,829	DS-3HDW	1.25	44.4	1450	95.0	240/120	02,105,G
	1200	230/460	444T	HD100P3EB	$11,829	DS-3HDW	1.15	44.4	1450	95.0	240/120	02,09,105,G
	1200	575	444T	HD100P3G	$11,829	DS-3HDW	1.15	44.4	1500	95.0	95	02
125	3600	460	444TS	HD125P1FS	$12,171	DS-3HDW	1.15	40.6	1300	95.0	142	02,G
	3600	575	444TS	HD125P1GS	$12,171	DS-3HDW	1.15	40.6	1360	95.0	113	02
	1800	460	444T	HD125P2F	$11,431	DS-3HDW	1.15	44.4	1260	95.8	141	02,G
	1800	460	444T	HD125P2FB	$11,431	DS-3HDW	1.15	44.4	1260	95.8	141	02,09,G
	1800	460	444TS	HD125P2FS	$11,431	DS-3HDW	1.15	40.6	1260	95.8	141	02,G
	1800	575	444T	HD125P2G	$11,431	DS-3HDW	1.15	44.4	1310	95.4	114	02
	1200	460	445T	HD125P3F	$14,691	DS-3HDW	1.15	44.4	1500	95.0	153	02,G
	1200	460	445T	HD125P3FB	$14,691	DS-3HDW	1.15	44.4	1500	95.0	153	02,09,G
	1200	575	445T	HD125P3G	$14,691	DS-3HDW	1.15	44.4	1550	95.0	125	02
150	3600	460	445TS	HD150P1FS	$15,429	DS-3HDW	1.15	40.6	1410	95.0	167	02,G
	3600	575	445TS	HD150P1GS	$15,429	DS-3HDW	1.15	40.6	1460	95.0	133	02
	1800	460	445T	HD150P2F	$13,766	DS-3HDW	1.15	44.4	1480	95.8	171	02,G
	1800	460	445T	HD150P2FB	$13,766	DS-3HDW	1.15	44.4	1480	95.8	171	02,09,G
	1800	460	445TS	HD150P2FS	$13,766	DS-3HDW	1.15	40.6	1480	95.8	171	02,G
	1800	575	445T	HD150P2G	$13,766	DS-3HDW	1.15	44.4	1530	95.8	136	02
	1200	460	447T	HD150P3F	$16,800	DS-3HDW	1.15	47.9	1760	95.8	179	02,G
	1200	460	447T	HD150P3FB	$16,800	DS-3HDW	1.15	47.9	1760	95.8	179	02,09,G
	1200	575	447T	HD150P3G	$16,800	DS-3HDW	1.15	47.9	1810	95.8	143	02
	1200	575	447T	HD150P3GB	$17,304	DS-3HDW	1.15	47.9	1810	95.8	143	02,09
200	3600	460	447TS	HD200P1FS	$21,086	DS-3HDW	1.15	44.1	1600	95.4	222	02,G
	3600	575	447TS	HD200P1GS	$21,719	DS-3HDW	1.15	44.1	1690	95.4	178	02
	1800	460	447T	HD200P2F	$17,829	DS-3HDW	1.15	47.9	1710	96.2	225	02,G
	1800	460	447T	HD200P2FB	$17,829	DS-3HDW	1.15	47.9	1710	96.2	225	02,09,G
	1800	460	447TS	HD200P2FS	$17,829	DS-3HDW	1.15	44.1	1710	96.2	225	02,G
	1800	575	447T	HD200P2G	$19,320	DS-3HDW	1.15	47.9	1760	96.2	181	02
	1800	575	447TS	HD200P2GS	$18,364	DS-3HDW	1.15	44.13	1760	95.8	181	02

Note 02 Suitable for Wye-Delta start on voltages shown
Note 09 Cylindrical Roller Bearing
Note 105 208 Volt Suitable

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY® NEMA®† Premium Efficient C-Face

APPLICATIONS:

For pulp & paper plants, saw mills, mines, foundries, chemical plants, waste management facilities, and other process-related industries requiring protection within harsh operating conditions.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Corrosion Resistant Mill & Chemical Duty Paint
- Cast Iron Frame, Cast Iron End Brackets
- Stainless Steel Nameplate & Zinc Plated Hardware
- IP54 Protection
- Dual Voltage 230/460 Volts (1-100 HP)
- 40°C Ambient, NEMA® Design B Performance On 60 Hz Sine Wave Power
- Regreasable Ball Bearings 250 Frame & Up, Lifting Provisions
- Double Shielded Bearings 140-360, Open On 400-440
- Pulley End Clamping Plate
- 1.15 Service Factor @ 60 Hz
- Suitable for 20:1 (3-60hz) Variable Torque; 4:1 (15-60hz) Constant Torque On Inverter Power
- Steel Fan Cover & Conduit Box
- Field Convertible To F2 Mounting
- Condensation Drains With Plastic Plugs
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits
- Self-Certified Class I, Division 2, Groups A, B, C, & D
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	230/460	143TC	HD1P2EC	$556	DS-3HDW	1.15	14.0	60	85.5	3/1.5	105,G
	1200	230/460	145TC	HD1P3EC	$683	DS-3HDW	1.15	14.0	70	82.5	3.7/1.8	105,G
1 1/2	3600	230/460	143TC	HD32P1EC	$608	DS-3HDW	1.15	14.0	50	84.0	3.9/1.9	105,G
	1800	230/460	145TC	HD32P2EC	$587	DS-3HDW	1.15	14.0	70	86.5	4.1/2.1	105,G
	1200	230/460	182TC	HD32P3EC	$792	DS-3HDW	1.15	17.1	90	87.5	4.5/2.2	105,G
2	3600	230/460	145TC	HD2P1EC	$628	DS-3HDW	1.15	14.0	50	85.5	5/2.5	105,G
	1800	230/460	145TC	HD2P2EC	$636	DS-3HDW	1.15	14.0	70	86.5	5.3/2.7	105,G
	1200	230/460	184TC	HD2P3EC	$885	DS-3HDW	1.15	17.1	110	88.5	6.2/3.1	105,G
3	3600	230/460	182TC	HD3P1EC	$749	DS-3HDW	1.15	17.1	80	86.5	8.2/4.1	105,G
	1800	230/460	182TC	HD3P2EC	$720	DS-3HDW	1.15	17.1	100	89.5	7.8/3.9	105,G
	1200	230/460	213TC	HD3P3EC	$1,095	DS-3HDW	1.15	20.4	170	89.5	8.6/4.3	105,G
5	3600	230/460	184TC	HD5P1EC	$864	DS-3HDW	1.15	17.1	90	88.5	12.3/6.1	105,G
	1800	230/460	184TC	HD5P2EC	$803	DS-3HDW	1.15	17.1	110	89.5	12.7/6.3	105,G
	1200	230/460	215TC	HD5P3EC	$1,339	DS-3HDW	1.15	20.4	180	89.5	14.2/7.1	105,G
7 1/2	3600	230/460	213TC	HD7P1EC	$1,110	DS-3HDW	1.15	20.4	140	89.5	18.1/9	105,G
	1800	230/460	213TC	HD7P2EC	$1,071	DS-3HDW	1.15	20.4	160	91.7	19.1/9.6	105,G
	1200	230/460	254TC	HD7P3EC	$1,804	DS-3HDW	1.15	25.4	250	91.0	18.8/9.4	105,G
10	3600	230/460	215TC	HD10P1EC	$1,269	DS-3HDW	1.15	20.4	160	90.2	23.5/11.8	105,G
	1800	230/460	215TC	HD10P2EC	$1,297	DS-3HDW	1.15	20.4	180	91.7	25.7/12.8	105,G
	1200	230/460	256TC	HD10P3EC	$2,111	DS-3HDW	1.15	25.4	270	91.0	24.9/12.4	105,G
15	3600	230/460	254TC	HD15P1EC	$1,743	DS-3HDW	1.15	25.4	260	91.0	34/17.2	105,G
	1800	230/460	254TC	HD15P2EC	$1,703	DS-3HDW	1.15	25.4	260	92.4	40-36/18	105,G
	1200	230/460	284TC	HD15P3EC	$2,858	DS-3HDW	1.15	27.5	330	91.7	37/18.5	02,105,G
20	3600	230/460	256TC	HD20P1EC	$2,119	DS-3HDW	1.15	25.4	270	91.0	46/23	105,G
	1800	230/460	256TC	HD20P2EC	$2,076	DS-3HDW	1.15	25.4	290	93.0	47/23.7	02,105,G
	1200	230/460	286TC	HD20P3EC	$3,444	DS-3HDW	1.15	27.5	370	91.7	49/24.4	105,G
25	3600	230/460	284TSC	HD25P1ESC	$2,611	DS-3HDW	1.15	26.1	320	91.7	58/28.8	105,G
	1800	230/460	284TC	HD25P2EC	$2,536	DS-3HDW	1.15	27.5	350	93.6	58/29.2	02,105,G
30	3600	230/460	286TSC	HD30P1ESC	$3,072	DS-3HDW	1.15	26.1	320	91.7	69/35	105,G
	1800	230/460	286TC	HD30P2EC	$2,955	DS-3HDW	1.15	27.5	360	93.6	70/35	02,105,G
40	1800	230/460	324TC	HD40P2EC	$3,569	DS-3HDW	1.15	30.1	470	94.1	92/46	02,105,G
50	1800	230/460	326TC	HD50P2EC	$4,334	DS-3HDW	1.15	30.1	570	94.5	112/56	02,105,G
60	1800	230/460	364TC	HD60P2EC	$6,124	DS-3HDW	1.15	32.3	660	95.0	137/68	02,105,G
75	1800	230/460	365TC	HD75P2EC	$7,340	DS-3HDW	1.15	32.3	720	95.4	170/85	02,105,G
100	1800	230/460	405TC	HD100P2EC	$9,491	DS-3HDW	1.15	37.7	1000	95.4	229/115	02,105,G

Note 02 Suitable for Wye-Delta start on voltages shown
Note 105 208 Volt Suitable
Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

Commercial Duty Pump Motors

Horsepower: 1/4 – 50 HP

Phase: Single and Three Phase

RPM: 3600, 1800 or 1200 RPM

Voltage:
- Single Phase: 208-230/115 Volts, 50/60 Hz options
- Three Phase: 208-230/460 and 190/380-415 Volts, 60/50 Hz (575 Volts available)

Efficiency: Standard, Energy Efficient, EXTREME-E® and Nema®† Premium

Bolt-On Base: Many ratings provide for removable base construction

Mounting Options:
- NEMA®† 56C, TC, TSC and 56J
- Bolt-on base models provide for both shaft down, vertically mounted pump applications and rigid base, horizontally mounted pump applications

Enclosure: Open Drip Proof (ODP) and Totally Enclosed Fan Cooled (TEFC)

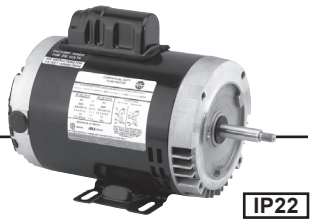
Bearings: Double sealed ball bearings on all 56-Frame commercial duty pump motors. Double shielded ball bearings on all other motors.

303 or 304 stainless steel shaft extensions: on 56J mount motors providing superior corrosion resistance

Agency: UL®† Recognized and CSA®† Certified



Special Application Commercial Pump Single Phase Open Drip Proof (ODP) C-Face



IP22

APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

- Double Sealed Ball Bearings - Locked Drive End Bearing
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- F1 Assembly
- Reversible Rotation
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Max Amps	Notes
1/4	1200	115	56C	D14B3NCR	$326	DS-3FMP	No	1.35	10.9	20	6.2	25
1/3	3600	115/208-230	56C	EC0332	$208	DS-3FMP	No	1.75	10.8	16	8.0/4.2-4.0	24,98
	3600	115/208-230	56C	EC0332B	$214	DS-3FMP	Rigid	1.75	10.8	17	8.0/4.2-4.0	24,98
	3600	115/208-230	56J	EU0332	$214	DS-3FMP	No	1.75	11.3	18	8.0/4.2-4.0	24,98
	3600	115/208-230	56J	EU0332B	$219	DS-CPMP	Removable	1.75	11.4	18	8.6/4.5-4.3	24,98
	1800	115/230	56C	D13CP2PCR	$423	DS-3FMP	No	1.35	10.8	18	4.6/2.3	25
	1800	115/208-230	56J	EU0334	$280	DS-3FMP	Removable	1.35	10.6	12	8.3/4.1-4.2	24
1/2	3600	115/208-230	56C	EC0502	$280	DS-3FMP	No	1.60	11.2	22	10.8/5.9-5.4	24,98
	3600	115/208-230	56J	EU0502	$285	DS-3FMP	No	1.60	11.7	17	10.8/5.9-5.4	24,98
	3600	115/208-230	56J	EU0502B	$290	DS-3FMP	Removable	1.60	11.6	18	10.4/5.1-5.2	24,98
	1800	115/230	56C	D12CP2PCR	$497	DS-3FMP	No	1.25	10.9	22	5.9/3.0	25
	1800	115/230	56C	D12CPA2PCR	$570	DS-3F	No	1.25	9.9	22	5.9/3.0	24
	1800	115/208-230	56C	EC0504B	$456	DS-3FMP	Rigid	1.25	10.4	22	10.0/5.1-5.0	24
	1800	115/208-230	56J	EU0504	$453	DS-3FMP	Removable	1.25	10.9	29	10.0/5.1-5.0	24
3/4	3600	115/230	56C	D34CPM1PCR	$516	DS-3FMP	No	1.25	11.4	24	8.1/4.2	23
	3600	115/208-230	56C	D34CA1JCR	$388	DS-3FMP	No	1.25	11.4	32	12.1/6.3-6.1	24,LA
	3600	115/208-230	56C	EC0752	$350	DS-3FMP	No	1.50	11.9	18	12.8/7.0-6.4	24,98
	3600	115/208-230	56J	EU0752B	$359	DS-3FMP	Removable	1.50	12.1	27	14.0/7.3-7.0	24,98
	3600	115/208-230	56J	EU0752	$355	DS-3FMP	No	1.50	12.4	23	12.8/7.0-6.4	24,98
	1800	115/230	56C	D34CP2PCR	$610	DS-3FMP	No	1.25	11.9	29	8.2/4.1	25
	1800	115/230	56C	D34CPA2PCR	$690	DS-3FMP	No	1.25	13.0	29	8.2/4.1	24
	1800	115/208-230	56J	EU0754	$553	DS-3FMP	No	1.25	11.9	29	8.2/4.1	25
1	3600	115/208-230	56C	EC1002	$404	DS-3FMP	No	1.40	12.2	20	15.4/8.5-7.7	24,98
	3600	115/230	56C	D1CPA1PCR	$560	DS-3FMP	No	1.25	12.9	29	11.5/5.5	24
	3600	115/208-230	56J	EU1002B	$413	DS-3FMP	Removable	1.40	12.4	29	16.2/8.6-8.1	24,98
	3600	115/208-230	56J	EU1002	$409	DS-3FMP	No	1.40	12.7	23	15.4/8.5-7.7	24,98
	1800	115/230	56C	D1CP2PCR	$662	DS-3FMP	No	1.15	13.0	31	9.2/4.6	25
	1800	115/208-230	56C	EC1004B	$615	DS-3FMP	Rigid	1.15	11.6	31	16.4/8.4-8.2	24

Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected
Note 98 50/60 Hertz Motor
Note LA Limited Availability

Special Application Commercial Pump Single Phase Open Drip Proof (ODP) C-Face

(continued)

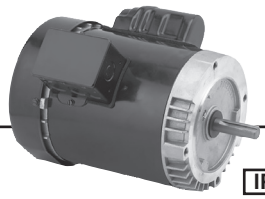


IP22

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Max Amps	Notes
1 1/2	3600	115/208-230	56C	EC1502	$490	DS-3FMP	No	1.30	12.4	33	21.8/11.3-10.9	24,98
	3600	115/208-230	56J	EU1502	$494	DS-3FMP	No	1.30	12.9	33	21.8/11.3-10.9	24,98
	3600	115/208-230	56J	EU1502B	$501	DS-3FMP	Removable	1.30	12.9	35	21.8/11.3-10.9	24,98
	1800	115/230	56HC	D32CP2PCR	$693	DS-3FMP	No	1.15	12.9	37	14.6/7.3	25
2	3600	115/208-230	56C	EC2002	$618	DS-3FMP	No	1.20	12.4	32	22.2/12.2-11.1	18,24,98
	3600	115/208-230	56C	EC2002B	$620	DS-3FMP	Rigid	1.20	12.4	33	22.2/12.2-11.1	18,24,98
	3600	115/208-230	56J	EU2002	$619	DS-3FMP	No	1.20	12.9	32	22.2/12.2-11.1	18,24,98
	3600	115/208-230	56J	EU2002B	$626	DS-3FMP	Removable	1.20	12.9	33	22.2/12.2-11.1	18,24,98
	1800	115/230	56C	D2CP2PCR	$990	DS-3FMP	No	1.15	13.4	42	19.6/9.8	25
3	3600	208-230	56C	EC3002	$700	DS-3FMP	No	1.15	12.9	37	15.7-14.2	18,24
	3600	208-230	56J	EU3002	$705	DS-3FMP	No	1.15	13.4	37	15.7-14.2	18,24
	3600	208-230	56J	EU3002B	$710	DS-3FMP	Removable	1.15	13.4	38	15.7-14.2	18,24

Note 18 Incorporates Run Capacitor
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected
Note 98 50/60 Hertz Motor

Special Application Commercial Pump Single Phase Totally Enclosed Fan Cooled (TEFC) C-Face



IP44

APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

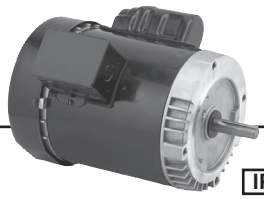
- Double Sealed Ball Bearings
- Class B Insulation, Continuous Duty, 40°C Ambient
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- F1 Assembly
- Reversible Rotation
- Capacitor Start, Induction Run
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff	Max Amps	Notes
1/4	1800	115/208-230	56C	T14C2JC	$390	DS-3F	Rigid	1.15	11.1	22	58.9	6.6/3.0-3.3	25
	1800	115/208-230	56C	T14C2JCR	$330	DS-3F	No	1.15	11.0	22	58.9	6.6/3.0-3.3	25
	1200	115/208-230	56C	T14C3JCR	$314	DS-3F	No	1.15	11.4	32	-	6.4/3.0-3.2	25
1/3	3600	115/208-230 & 110/220	56J	EU01	$341	DS-3FMP	Removable	1.15	11.9	23	72.5	7.0/3.5-3.5	24,98
	3600	115/208-230 & 110/220	56C	EC01B	$334	DS-3FMP	Rigid	1.15	11.4	23	71.9	7.0/3.5-3.5	98
	3600	115/208-230 & 110/220	56C	EC01	$332	DS-3FMP	No	1.15	11.4	22	72.5	7.0/3.5-3.5	24,98
	1800	115/230	42CZ	T13C2P42ZCR	$394	DS-3FMP	No	1.00	11.6	21	62.3	6.2/3.1	25
	1800	115/208-230	56J	EU02	$349	DS-3FMP	Removable	1.15	11.1	24	61.4	7.2/3.4-3.6	
	1800	115/208-230	56C	T13C2JC	$380	DS-3F	Rigid	1.15	11.0	19	-	7.2/3.3-3.6	25
	1800	115/208-230	56C	T13CA2JCR	$380	DS-3FMP	No	1.15	11.0	22	-	7.2/3.3-3.6	24
	1800	115/208-230	56C	T13C2JCR	$380	DS-3F	No	1.15	11.0	22	-	7.2/3.3-3.6	25
1/2	3600	115/208-230	56C	T12CA1JCR	$358	DS-3FMP	No	1.15	12.0	18	72.9	8.5/4.2-4.3	24
	3600	115/208-230 & 110/220	56J	EU03	$368	DS-3FMP	Removable	1.15	11.9	27	74.8	8.4/4.3-4.2	24,98
	3600	115/208-230 & 110/220	56C	EC03B	$363	DS-3FMP	Rigid	1.15	11.0	28	74.8	8.4/4.3-4.2	24,98
	3600	115/208-230 & 110/220	56C	EC03	$358	DS-3FMP	No	1.15	11.4	23	74.8	8.4/4.3-4.2	24,98
	1800	100-120 & 200-240	56C	6212	$565	DS-3FMP	Rigid	1.25	12.0	25	77.1	7.7-6.7/3.8-3.3	18,24,98
	1800	100-120 & 200-240	56C	T12C2ZCR	$592	DS-3FMP	No	1.25	12.0	25	77.1	7.7-6.7/3.8-3.3	18,25,98
	1800	115/208-230	56J	EU04	$498	DS-3FMP	Removable	1.15	11.3	35	70.2	8.8/4.3-4.4	24,98
	1800	115/208-230	56C	T12C2JC	$482	DS-3FMP	Rigid	1.15	11.4	32	60.7	9.2/4.3-4.6	25
	1800	115/208-230	56C	EC04	$339	DS-CPMP	No	1.15	10.9	25	70.2	8.8/4.3-4.4	
	1800	115/208-230	56C	T12CA2JCR	$496	DS-3FMP	No	1.15	11.4	32	60.7	9.2/4.3-4.6	24
	1800	115/208-230	56C	T12CM2JCR	$462	DS-3FMP	No	1.15	11.4	32	60.7	9.2/4.3-4.6	23
	1800	115/208-230	56C	T12C2JCR	$439	DS-3FMP	No	1.15	12.4	32	60.7	9.2/4.3-4.6	25
	1200	115/208-230	56C	T12C3JCR	$828	DS-3FMP	No	1.15	12.4	32	67.3	10.6/5.1-5.3	25
3/4	3600	115/208-230	56C	T34C1JC	$417	DS-3FMP	Rigid	1.15	11.9	32	67.8	12.1/6.3-6.1	25
	3600	115/208-230	56C	T34CA1JCR	$451	DS-3FMP	No	1.15	11.9	32	67.8	12.1/6.3-6.1	24
	3600	115/208-230 & 110/220	56J	EU05	$458	DS-3FMP	Removable	1.15	12.4	42	79.4	10.8/5.7-5.4	24,98
	3600	115/208-230 & 110/220	56C	EC06	$448	DS-3FMP	No	1.15	11.9	26	79.4	10.8/5.7-5.4	24,98
	1800	100-120 & 200-240	56C	6214	$691	DS-3FMP	Rigid	1.25	12.0	32	77.1	11.5-9.9/5.7-4.9	24
	1800	100-120 & 200-240	56C	T34C2ZCR	$699	DS-3FMP	No	1.25	12.4	23	77.2	11.5-9.9/5.7-4.9	18,25,98
	1800	115/208-230	56C	T34C2JC	$585	DS-3FMP	Rigid	1.15	11.9	32	69.0	11.8/5.7-5.9	25
	1800	115/208-230	56J	EU06	$582	DS-3FMP	Rigid	1.25	12.4	30	77.0	9.9/5.1-4.9	24
	1800	115/208-230	56C	T34CA2JCR	$582	DS-3FMP	No	1.15	11.9	32	69.0	11.8/5.7-5.9	24
	1800	115/208-230	56C	T34CM2JCR	$551	DS-3FMP	No	1.15	11.9	32	69.0	11.8/5.7-5.9	23
	1800	115/208-230	56C	T34C2JCR	$527	DS-3FMP	No	1.15	11.9	32	69.0	11.8/5.7-5.9	25
	1200	115/208-230	56C	T34C3JCR	$932	DS-3FMP	No	1.15	13.4	28	70.0	11.4/5.4-5.7	18,25
1	3600	115/208-230	56C	T1C1JC	$489	DS-3FMP	Rigid	1.15	12.4	26	66.7	14.2/6.9-7.1	25
	3600	115/208-230	56C	T1CA1JCR	$524	DS-3FMP	No	1.15	12.4	32	66.7	14.2/6.9-7.1	24
	3600	115/208-230 & 110/220	56J	EU07	$511	DS-3FMP	Removable	1.15	12.6	33	80.2	13.8/7.2-6.9	24,98
	3600	115/208-230 & 110/220	56C	EC09B	$508	DS-3FMP	Rigid	1.15	12.1	29	80.6	13.8/7.2-6.9	24,98
	3600	115/208-230 & 110/220	56C	EC09	$501	DS-CPMP	No	1.15	12.1	28	80.6	13.8/7.2-6.9	98
	1800	115/208-230	56J	EU08	$505	DS-3FMP	Rigid	1.15	12.4	30	-	11.2/6.1-5.7	18,24
	1800	115/208-230	143TC	T1C2J14C	$621	DS-3F	Rigid	1.15	12.4	32	70.0	14.6/6.9-7.3	25
	1800	115/208-230	143TC	T1CA2J14CR	$677	DS-3SP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	24
	1800	115/208-230	143TC	T1CM2J14CR	$700	DS-3SP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	23
	1800	115/208-230	143TC	T1C2J14CR	$638	DS-3SP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	25
	1800	100-120 & 200-240	56C	T1CA2ZC	$730	DS-3FMP	Rigid	1.15	13.4	30	80.6	12.9-10.6/6.4-5.3	
	1800	100-120 & 200-240	56C	T1CM2ZC	$760	DS-3FMP	Rigid	1.15	13.4	38	81.9	12.9-10.6/6.4-5.3	
	1800	115/208-230	56HC	T1C2JHC	$621	DS-3FMP	Rigid	1.15	12.4	32	70.0	14.6/6.9-7.3	25

Note 18 Incorporates Run Capacitor
Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected
Note 98 50/60 Hertz Motor

Special Application Commercial Pump Single Phase Totally Enclosed Fan Cooled (TEFC) C-Face

(continued)

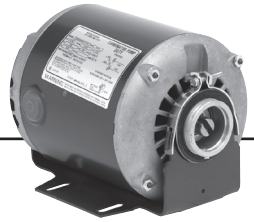


IP44

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff	Max Amps	Notes
1	1800	115/208-230	56C	T1CA2JCR	$610	DS-3FMP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	24
	1800	115/208-230	56C	T1C2JCR	$571	DS-3FMP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	25
	1800	208-230/115	56C	EC10B	$623	DS-3FMP	Rigid	1.15	12.4	37	75.9	14.2/7.5-7.1	
	1200	115/208-230	56C	T1C3JCR	$1,011	DS-3FMP	No	1.15	13.9	44	77.9	13.9/7.4-7.0	25
1 1/2	3600	115/208-230	143TC	T32C1J14CR	$637	DS-3SP	No	1.15	12.9	32	78.5	16.8/8.1-8.5	25
	3600	115/208-230	56HC	T32C1JHC	$603	DS-3FMP	Rigid	1.15	12.9	42	78.5	16.8/8.1-8.5	25
	3600	115/208-230	56C	T32CA1JCR	$637	DS-3FMP	No	1.15	12.9	32	78.5	16.8/8.1-8.5	24
	3600	115/208-230 & 110/220	56C	EC11B	$650	DS-3FMP	Rigid	1.15	12.6	36	83.2	18.4/10.3-9.2	24,98
	3600	115/208-230 & 110/220	56C	EC11	$645	DS-CPMP	No	1.15	12.6	35	83.2	18.4/10.3-9.2	98
	3600	115/208-230 & 110/220	56J	EU09	$655	DS-3FMP	No	1.15	13.1	40	83.2	18.4/10.3-9.2	24,98
	1800	115/208-230	145TC	T32C2J14C	$731	DS-3F	Rigid	1.15	13.9	45	80.0	15.8/8.0-7.9	25
	1800	115/208-230	145TC	T32C2J14CR	$723	DS-3SP	No	1.15	13.9	47	80.0	15.8/8.0-7.9	25
	1800	115/208-230	56C	EC12B	$729	DS-3FMP	Rigid	1.15	12.4	38	81.8	15.8/8.7-7.9	18,24
	1800	115/208-230	56HC	T32C2JHC	$736	DS-3FMP	Rigid	1.15	13.9	41	80.0	15.8/8.0-7.9	25
	1800	115/208-230	56C	EC12	$724	DS-CPMP	No	1.15	12.4	37	81.9	15.8/8.7-7.9	18
	1800	115/208-230	56J	EU10	$670	DS-3FMP	Rigid	1.15	12.9	37	-	14.6/8.2-7.3	18,24
	1800	115/208-230	56C	T32CA2JCR	$689	DS-3FMP	No	1.15	13.9	31	80.0	15.8/8.0-7.9	24
	1800	115/208-230	56C	T32CM2JCR	$712	DS-3FMP	No	1.15	13.9	31	80.0	15.8/8.0-7.9	23
	1800	115/208-230	56C	T32C2JCR	$650	DS-3FMP	No	1.15	13.9	31	80.0	15.8/8.0-7.9	25
2	3600	115/208-230	145TC	T2C1J14C	$778	DS-3FMP	Rigid	1.15	13.4	43	80.0	21.3/10.8-10.6	25
	3600	115/208-230	145C	T2C1J14CR	$813	DS-3SP	No	1.15	12.9	34	80.0	21.3/10.8-10.6	25
	3600	208-230 & 220	56J	EU11	$825	DS-3FMP	Removable	1.15	13.4	42	87.5	11.0-10.0	18,24,98
	3600	208-230 & 220	56C	EC13B	$780	DS-3FMP	Rigid	1.15	12.9	38	87.5	11.0-10.0	18,24,98
	3600	208-230 & 220	56C	EC13	$815	DS-3FMP	No	1.15	12.9	37	87.6	11.0-10.0	18,24,98
	1800	115/208-230	145TC	T2C2J14C	$846	DS-3FMP	Rigid	1.15	13.9	46	81.5	20.6/10.3-10.3	18,25
	1800	115/208-230	145TC	T2CA2J14CR	$1,008	DS-3SP	No	1.00	14.4	40	81.5	18.9/10.3-9.4	24
	1800	115/208-230	145TC	T2C2J14CR	$969	DS-3SP	No	1.15	13.9	46	81.5	20.6/10.3-10.3	25
	1800	115/208-230	56HC	T2C2JHC	$846	DS-3FMP	Rigid	1.15	13.9	43	81.5	20.6/10.3-10.3	18,25
	1800	115/208-230	56C	T2CA2JCR	$778	DS-3FMP	No	1.00	14.4	31	81.5	18.9/10.3-9.4	24
	1800	115/208-230	56C	T2CM2JCR	$801	DS-3FMP	No	1.00	13.9	31	81.5	18.9/10.3-9.4	23
	1800	115/208-230	56C	T2C2JCR	$739	DS-3FMP	No	1.15	13.9	31	81.5	20.6/10.3-10.3	25
3	3600	208-230	56J	EU12	$894	DS-3FMP	Removable	1.15	13.9	17	87.9	15.8-14.6	18,24
	3600	208-230	56C	EC16B	$522	DS-CPMP	Rigid	1.15	13.4	39	87.9	15.8-14.6	18
	3600	208-230	56C	EC16	$517	DS-CPMP	No	1.15	13.4	32	-	15.8-14.6	18,24
5	3600	230	184TC	T5C1K18C	$1,397	DS-3SP	Rigid	1.00	17.3	91	83.0	19.6	18,25

Note 18 Incorporates Run Capacitor
Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected
Note 98 50/60 Hertz Motor

Special Application Carbonator Pump Single Phase Open Drip Proof (ODP) Split Phase



APPLICATIONS:

Designed end shield with extended hub and short slotted shaft for close coupling carbonator pump to motor.

FEATURES:

- For Carbonator Duty Only
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Threaded Conduit Hub
- All Ball Bearing Construction
- Green Ground Lead
- Special Slotted Shaft

Resilient Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	100-120 & 200-240 V	48YZ	6001	$202	DS-3FMP	1.00	7.7	15	4.5-4.7/2.2-2.4	61
	1800	115 V	48YZ	1004	$145	DS-3FMP	1.00	7.7	15	5.0	61
1/3	1800	100-120 & 200-240 V	48YZ	6079	$220	DS-3FMP	1.00	8.3	16	6.4-6.3/3.0-3.1	61
	1800	115 V	48YZ	1003	$174	DS-3FMP	1.00	7.7	14	6.5	61
1/2	1800	115 V	48YZ	6080	$189	DS-3FMP	1.00	8.7	16	8.4	24
	1800	120/240 V	48YZ	6078	$265	DS-3FMP	1.00	8.7	17	7.5/3.6	61
3/4	1800	115/230 V	48YZ	872	$310	DS-3FMP	1.00	9.7	25	10.0/4.9//9.8/4.9	61

Note 24 Automatic Reset Thermal Protector Overload
Note 61 Sleeve Bearings

Split Phase Hot Water Circulating Pump Open Drip Proof (ODP)



APPLICATIONS:

Designed to meet manufacturer's requirements for use on hot water circulating pumps.

FEATURES:

- Painted Red To Indicate Hot-Water Usage
- 40°C Ambient
- Reversible Rotation
- Resilient Hub Rings
- Special Balance For Quiet Operation
- Class B Insulation
- 1725 RPM
- Automatic Reset Thermal Overload Protector
- Sleeve Bearings Have All Angle Thrust System
- Units Match OEM Performance And Mechanical Features
- Sleeve Bearings Unless Noted
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data
- Coupler assembly required for proper Bell & Gossett replacement

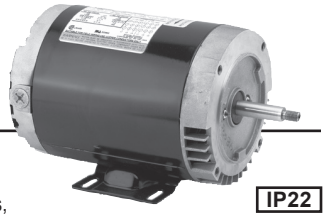
Split Phase, NEMA®† Frame 48YZ

HP	Voltage	Catalog Number	List	Discount Symbol	Amps	Bolt Circle	Rings OC	SF	Rotation Shaft End	Ship Wt.	Notes	Industry Numbers
1/12	115	3255	$252	DS-3HAC	2.5	4.63	5.94	1.75	CW	13		111034, 805316-010
1/6	115	3256	$277	DS-3HAC	3.8	4.63	6.94	1.75	CW	15		111061, 817025-005
	115	3257	$281	DS-3HAC	3.8	5.00	6.94	1.75	CW	14		111036, 111031, 817025-001
1/4	115	3259	$312	DS-3HAC	4.6	5.00	6.94	1.25	CW	16		111040, 817025-007, 111050
1/3	115	3260	$431	DS-3HAC	6.0	5.86	6.94	1.30	CCW	15		169226, 816141-002, 169038

Capacitor Start, NEMA®† Frame 56YZ

HP	Voltage	Catalog Number	List	Discount Symbol	Amps	Bolt Circle	Rings OC	SF	Rotation Shaft End	Ship Wt.	Notes	Industry Numbers
1/2	115/208-230	3258	$462	DS-3HAC	5.7/2.9-3.0	5.86	7.94	1.50	Rev	22		111044, 169228, 811757-001
3/4	115/208-230	3261	$473	DS-3HAC	8.2/4.7-4.2	5.86	8.44	1.50	Rev	33		111047, 169230, 811757-002

Special Application Commercial Pump Three Phase Open Drip Proof (ODP) C-Face



IP22

APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

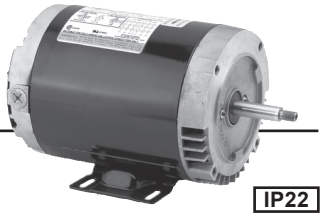
- Double Sealed Ball Bearings On All 56 Frame Commercial Duty Pump Motors;
- Double Shielded Ball Bearings On All Others
- Continuous Duty
- 60 Hertz & 60/50 Hertz
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- 40°C Ambient
- Suitable for Wye-Delta Start 250-Frame and Larger
- NEMA® 'C' Flange Mounting
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A
- Premium 303 S.S. on 56J; Mount & Carbon Steel on All Others
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Max Amps	Notes
1/2	3600	208-230/460	56J	EE155B	$256	DS-3F	Rigid	1.60	10.9	21	83.3	2.6-2.4/1.2	98
	3600	208-230/460	56J	EE155	$251	DS-3F	No	1.60	10.9	20	83.3	2.6-2.4/1.2	98
	3600	208-230/460	56C	EE254	$244	DS-CPMP	No	1.60	10.8	15	43.3	2.8-2.7/1.35	98
	3600	575	56J	EE155-5	$263	DS-CPMP	No	1.60	11.3	16	-	1.1	
3/4	3600	208-230/460	56J	EE446B	$454	DS-3F	Rigid	1.50	10.9	20	85.0	3.7-3.6/1.8	98
	3600	208-230/460	56J	EE446	$449	DS-3F	No	1.50	10.9	19	85.0	3.7-3.6/1.8	98
	3600	208-230/460	56C	EE508	$444	DS-3F	No	1.50	11.3	20	55.5	3.8-3.6/1.8	98
	3600	575	56J	EE446-5	$449	DS-3F	No	1.25	10.9	35	-	1.2	
	1800	208-230/460	56J	EE045	$402	DS-3F	Rigid	1.25	12.4	27	-	3.0-2.9/1.4	98
1	3600	208-230/460	56J	EE506B	$474	DS-3F	Rigid	1.40	11.9	22	85.5	4.4-4.2/2.1	98
	3600	208-230/460	56J	EE506	$469	DS-3F	No	1.40	11.9	22	85.5	4.4-4.2/2.1	98
	3600	208-230/460	56C	EE511	$464	DS-3F	No	1.40	11.6	17	67.5	4.6-4.6/2.3	98
	3600	575	56J	EE506-5	$479	DS-CPMP	No	1.40	12.1	19	76.3	2.4	
	1800	208-230/460	143TC	D1P2DC	$474	DS-3E	Removeable	1.15	13.3	30	85.5	3.5-3.3/1.7	
	1800	208-230/460	56HC	D1P2AHC	$433	DS-3E	Rigid	1.15	12.4	26	83.5	3.7-3.4/1.7	
1 1/2	3600	208-230/460	56J	EE607B	$546	DS-3F	Rigid	1.30	12.4	18	69.1	6.0-5.8/2.9	
	3600	208-230/460	56HC	D32P1AHC	$500	DS-3E	Rigid	1.15	11.9	32	84.0	4.9/2.4	
	3600	208-230/460	56J	EE607	$541	DS-3F	No	1.30	12.4	17	69.1	6.0-5.8/2.9	98
	3600	208-230/460	56C	EE609	$537	DS-3F	No	1.00	11.4	28	82.5	5.8/2.9	98
	3600	575	56J	EE607-5	$349	DS-CPMP	No	1.00	11.9	30	82.5	1.9	
	1800	208-230/460	145TC	D32P2DC	$499	DS-3E	Removeable	1.15	13.3	35	86.5	5-4.6/2.3	
	1800	208-230/460	56C	EE930	$352	DS-CPMP	No	1.15	12.6	15	-	5.4-4.8/2.4	98
2	3600	208-230/460	145TC	D2P1DC	$551	DS-3E	Removeable	1.15	12.8	35	85.5	6.2-5.6/2.8	
	3600	208-230/460	56HC	D2P1AHC	$494	DS-3E	Rigid	1.15	11.9	32	85.5	6.3-5.8/2.9	
	3600	208-230/460	56J	EE733B	$715	DS-3F	Rigid	1.20	12.9	26	88.3	6.8-6.4/3.2	98
	3600	208-230/460	56C	EE612B	$402	DS-CPMP	Rigid	1.15	11.9	30	85.5	6.3-5.7/2.9	98
	3600	208-230/460	56J	EE733	$710	DS-3F	No	1.20	12.9	25	88.3	6.8-6.4/3.2	
	3600	208-230/460	56C	EE612	$705	DS-3F	No	1.15	11.9	93	85.5	6.3-5.7/2.9	98
	3600	575	56J	EE733-5	$719	DS-3F	No	1.20	12.4	25	85.5	2.6	
	1800	208-230/460	145TC	D2P2DC	$548	DS-3E	Removeable	1.15	12.8	35	86.5	6.6-6.2/3.1	
3	3600	208-230/460	145TC	D3P1DC	$566	DS-3E	Removeable	1.15	13.3	35	85.5	9.5-8.4/4.2	
	3600	208-230/460	56J	EE734B	$785	DS-3F	Rigid	1.15	14.0	35	89.8	9.6-9.4/4.7	
	3600	208-230/460	56C	EE736	$775	DS-3F	No	1.15	11.4	38	87.5	9-8.4/4.2	
	3600	208-230/460	56J	EE734	$780	DS-3F	No	1.15	13.9	37	89.79	9.6-9.4/4.7	
	3600	575	56J	EE734-5	$790	DS-3F	No	1.15	13.4	25	87.5	3.4	
	1800	208-230/460	56J	EE2113	$572	DS-3F	Rigid	1.15	14.8	43	-	10.1-9.7/4.8	
	1800	208-230/460	182TC	D3P2DC	$582	DS-3E	Rigid	1.15	14.3	50	90.2	9.4-8.6/4.3	
5	3600	208-230/460	182TC	D5P1DC	$603	DS-3E	Rigid	1.15	14.3	50	86.5	16.1-14.6/7.3	
	3600	208-230/460	56J	EE833B	$850	DS-3F	Rigid	1.00	14.9	35	88.5	13.7-13.0/6.5	
	1800	208-230/460	184TC	D5P2DC	$627	DS-3E	Rigid	1.15	15.8	60	89.5	15.9-14.1/7.1	

Note 98 50/60 Hz Motor

Special Application Commercial Pump Three Phase Open Drip Proof (ODP) C-Face

(continued)

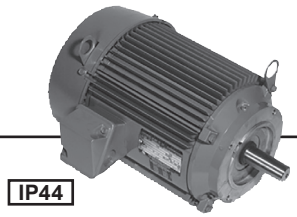


IP22

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Max Amps	Notes
7 1/2	3600	208-230/460	184TC	D7P1DC	$942	DS-3E	Rigid	1.15	15.8	60	88.5	23.8-20.8/10.4	
	1800	208-230/460	213TC	D7P2DC	$917	DS-3E	Rigid	1.15	16.8	100	91.0	23.3-21/10.5	
10	3600	208-230/460	213TC	D10P1DC	$1,101	DS-3E	Rigid	1.15	16.8	100	90.2	32-28/14	
	1800	208-230/460	215TC	D10P2DC	$1,116	DS-3E	Rigid	1.15	18.3	110	92.4	30-27.2/13.6	
15	3600	208-230/460	215TC	D15P1DC	$1,513	DS-3E	Rigid	1.15	18.3	100	90.2	0-42/20.8	
	1800	230/460	254TC	D15P2EC	$1,526	DS-3E	Rigid	1.15	19.6	150	93.0	37/18.3	02,03
20	3600	230/460	254TC	D20P1EC	$1,831	DS-3E	Rigid	1.15	19.6	150	91.7	46/23.1	02,03
	1800	230/460	256TC	D20P2EC	$1,957	DS-3E	Rigid	1.15	20.8	160	93.0	47/23.6	
25	3600	230/460	256TC	D25P1EC	$2,394	DS-3E	Rigid	1.15	20.8	160	91.7	57/28.7	02,03
	1800	230/460	284TC	D25P2EC	$2,446	DS-3PO	Rigid	1.15	25.6	225	93.6	58.0/29.2	
30	3600	230/460	284TSC	D30P1ESC	$2,861	DS-3PO	Rigid	1.15	24.3	225	91.7	69.0/34	
	1800	208-230/460	286TC	D30P2DC	$2,861	DS-3E	Rigid	1.15	24.9	350	94.1	89-79/40	02,03
40	3600	230/460	286TSC	D40P1ESC	$3,115	DS-3PO	Rigid	1.15	24.3	250	92.4	90.0/45	
	1800	208-230/460	324TC	D40P2DC	$3,424	DS-3E	Rigid	1.15	27.3	385	94.1	118-105/52	02,03
50	3600	230/460	324TSC	D50P1ESC	$3,778	DS-3E	Rigid	1.15	26.0	385	93.0	112.0/56.0	
	1800	208-230/460	326TC	D50P2DC	$3,921	DS-3E	Rigid	1.15	27.3	460	94.5	147-130/65	02,03

Note 02 Suitable for Wye-Delta start on voltages shown
Note 03 60/50 Hertz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Special Application Commercial Pump Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face



APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

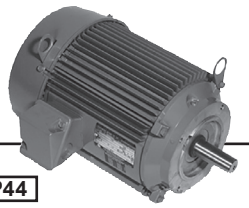
- Totally Enclosed, 50 Hertz Motors supplied with CE Markings
- Double Sealed Ball Bearings On All 56 Frame Commercial Duty Pump Motors
- Double Shielded Ball Bearings On All Other Motors
- Continuous Duty
- 60 Hertz & 60/50 Hertz
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- 40°C Ambient
- Shaft Slinger On Pulley End
- NEMA® 'C' Flange Mounting
- Premium 303 S.S. on 56J Mount: 7/16-20 UNC-2A
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Max Amps	Notes
1/4	1800	208-230/460	56C	U14S2DCR	$266	DS-3RST	No	1.25	10.8	23	70.0	0-1.1/0.5	16
	1800	575	56C	U14P2GC	$319	DS-3RST	Rigid	1.25	10.8	30	74.0	0.4	
	1200	208-230/460	56C	T14S3DCR	$308	DS-3RST	No	1.15	11.3	27	75.5	1.6-1.6/0.8	
	1200	575	56C	U14P3GC	$407	DS-3RST	Rigid	1.25	10.8	30	72.0	0.6	
1/3	3600	208-230/460	56C	T13S1ACR	$279	DS-3RST	No	1.15	10.8	32	74.6	1.8-1.9/1.0	
	1800	208-230/460	42CZ	T13S2D42ZCR	$266	DS-3RST	No	1.00	10.4	9	65.0	1.5-1.5/0.75	
	1800	208-230/460	56C	U13S2ACR	$266	DS-3RST	No	1.25	10.8	25	75.5	1.4-1.3/0.7	16
	1800	575	56C	U13P2GC	$365	DS-3RST	Rigid	1.25	10.8	30	74.0	0.5	
	1800	575	56C	T13S2GCR	$266	DS-3RST	No	1.15	11.4	26	75.3	0.62	
	1200	208-230/460	56C	T13S3DCR	$346	DS-3RST	No	1.15	11.3	32	77.0	1.7-1.7/0.9	
	1200	575	56C	U13P3GC	$455	DS-3RST	Rigid	1.25	10.8	30	72.0	0.8	
1/2	3600	208-230/460	56J	EE283B	$311	DS-3RST	Rigid	1.60	11.2	26	80.1	2.8-2.7/1.35	98
	3600	208-230/460	56C	T12S1ACR	$291	DS-3RST	No	1.15	10.9	32	64.0	2.34-2.34/1.17	
	3600	208-230/460	56J	EE283	$296	DS-3RST	No	1.60	11.2	17	80.1	2.8-2.7/1.35	98
	3600	575	56C	EE283-5	$296	DS-3RST	No	1.60	11.16	40	-	.87	
	3600	575	56C	U12P1GC	$386	DS-3RST	Rigid	1.25	12.1	30	74.0	0.6	
	1800	208-230/460	56C	U12P2DCR	$378	DS-3RST	No	1.25	12.1	30	82.5	1.8/0.9	03
	1800	208-230/460	56C	U12S2ACR	$291	DS-3RST	No	1.25	10.8	25	75.5	2.1-2/1	16
	1800	208-230/460	56C	EE256	$341	DS-CPMP	No	1.15	11.1	22	75.0	2.2-2.0/1.0	98
	1800	575	56C	U12P2GC	$397	DS-3RST	Rigid	1.25	10.8	30	78.5	0.9	
	1800	575	56C	U12P2GCR	$378	DS-3RST	No	1.25	10.8	30	78.5	0.9	
	1200	208-230/460	56C	U12S3ACR	$378	DS-3RST	No	1.25	10.8	25	72.0	2.5-2.3/1.2	16
	1200	575	56C	U12P3GC	$495	DS-3RST	Rigid	1.25	12.1	30	75.5	0.9	
3/4	3600	208-230/460	56J	EE515B	$324	DS-3RST	Rigid	1.50	11.9	22	82.7	3.7-3.6/1.8	98
	3600	208-230/460	56C	U34S1ACR	$304	DS-3RST	No	1.25	10.8	27	75.5	0-2.6/1.3	16
	3600	208-230/460	56J	EE515	$309	DS-3RST	No	1.50	11.9	17	82.7	3.7-3.6/1.8	98
	3600	575	56C	U34P1GC	$402	DS-3RST	Rigid	1.25	12.1	30	77.0	0.8	
	3600	575	56C	U34P1GCR	$384	DS-3RST	No	1.25	12.1	30	77.0	0.8	
	3600	575	56J	EE515-5PE	$387	DS-3RST	No	1.25	12.6	30	77.0	1	
	1800	208-230/460	56J	EE586	$345	DS-3RST	Rigid	1.25	12.4	23	81.7	3.0-2.9/1.5	03,98
	1800	208-230/460	56C	U34P2DCR	$408	DS-3RST	No	1.25	12.1	30	84.0	2.3/1.1	03
	1800	208-230/460	56C	U34S2ACR	$314	DS-3RST	No	1.25	10.8	28	78.5	3.1-3/1.5	16
	1800	575	56C	U34P2GC	$427	DS-3RST	Rigid	1.25	10.8	30	81.5	1.1	
	1800	575	56C	U34P2GCR	$408	DS-3RST	No	1.25	10.8	30	81.5	1.1	
	1200	575	143TC	U34P3G14C	$585	DS-3RST	Rigid	1.25	12.1	30	82.5	1.3	
	1200	208-230/460	56C	U34S3ACR	$449	DS-3RST	No	1.15	12.8	32	80.5	3.4-3.4/1.7	
	1200	575	56C	U34P3GC	$585	DS-3RST	Rigid	1.25	12.1	30	82.5	1.3	
	1200	575	56C	U34P3GCR	$566	DS-3RST	No	1.25	12.1	30	82.5	1.3	
1	3600	208-230/460	56C	U1P1DC	$503	DS-3RST	Rigid	1.25	13.1	30	81.5	3.6-3.2/1.6	03
	3600	208-230/460	56C	U1P1DCR	$488	DS-3RST	No	1.25	13.1	30	81.5	3.6-3.2/1.6	03
	3600	208-230/460	56J	EE516B	$365	DS-3RST	No	1.40	11.2	17	77.0	4.4-4.2/2.1	98
	3600	208-230/460	56J	EE516	$350	DS-3RST	No	1.40	11.2	28	77.0	4.4-4.2/2.1	98
	3600	575	56C	U1P1GCR	$488	DS-3RST	No	1.25	10.8	30	80.0	1.3	
	3600	575	56C	U1P1GC	$503	DS-3RST	No	1.25	13.1	50	81.5	1.3	
	3600	575	56J	EE516-5	$350	DS-3F	No	1.15	12.4	40	77.0	3.5-3.4/1.7	
	1800	208-230/460	143TC	U1P2DC	$503	DS-3RST	Rigid	1.25	13.1	30	85.5	0-3.4/1.7	03
	1800	208-230/460	143TC	U1P2DCR	$488	DS-3RST	No	1.25	12.1	30	85.5	0-3.4/1.7	03
	1800	575	143TC	U1P2GC	$503	DS-3RST	Rigid	1.25	13.1	30	85.5	1.3	
	1800	575	143TC	U1P2GCR	$488	DS-3RST	No	1.25	13.1	30	85.5	1.3	
	1800	208-230/460	56J	EE684	$357	DS-3RST	Removeable	1.15	13.4	26	85.5	3.6-3.7/1.8	03,98
	1800	208-230/460	56C	U1P2DFC	$440	DS-3RST	Rigid	1.25	13.1	30	85.5	3.7-3.4/1.7	03
	1800	208-230/460	56C	U1P2DFCR	$425	DS-3RST	No	1.25	13.1	30	85.5	3.7-3.4/1.7	03
	1800	575	56C	U1P2GFC	$440	DS-3RST	Rigid	1.25	13.1	30	85.5	1.3	03
	1800	575	56C	U1P2GFCR	$425	DS-3RST	No	1.25	13.1	30	85.5	1.3	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
Note 16 Motors marked 208-230/460 volts may not meet all NEMA® (MG-1) performance standards when operated at 208 volts
Note 98 50/60 Hz Motor

Special Application Commercial Pump Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face

(continued)



IP44

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Max Amps	Notes
1	1200	208-230/460	145TC	U1P3DC	$655	DS-3RST	Rigid	1.25	13.1	35	82.5	4.3-4/2	03
	1200	575	145TC	U1P3GC	$655	DS-3RST	Rigid	1.25	13.1	35	82.5	1.6	
	1200	208-230/460	56C	U1P3DFC	$655	DS-3RST	Rigid	1.25	13.1	30	82.5	4.3-4/2	03
	1200	575	56C	U1P3GFC	$655	DS-3RST	Rigid	1.25	13.1	30	82.5	1.6	
	1200	575	56C	U1P3GFCR	$655	DS-3RST	No	1.25	13.4	35	82.5	1.6	
1 1/2	3600	208-230/460	143TC	U32P1DC	$567	DS-3RST	Rigid	1.25	13.1	30	84.0	5.3-4.7/2.4	03
	3600	208-230/460	143TC	U32P1A14CR	$552	DS-3RST	No	1.15	11.9	32	84.0	4.9-5.2/2.6	
	3600	575	143TC	U32P1GC	$567	DS-3RST	Rigid	1.25	13.1	30	84.0	1.9	
	3600	575	143TC	U32P1GCR	$647	DS-3RST	No	1.25	13.1	30	84.0	1.9	
	3600	208-230/460	56C	U32P1DFC	$500	DS-3RST	Rigid	1.25	13.1	30	84.0	5.3-4.7/2.4	03
	3600	208-230/460	56J	EE661B	$405	DS-3RST	Rigid	1.30	12.9	37	84.0	4.9-4.6/2.4	98
	3600	208-230/460	56C	T32P1ACR	$485	DS-3RST	No	1.15	12.3	32	84.0	4.9-5.2/2.6	
	3600	208-230/460	56J	EE661	$390	DS-3RST	No	1.30	12.9	34	84.0	4.9-4.6/2.4	98
	3600	575	56C	U32P1GFC	$567	DS-3RST	Rigid	1.25	13.1	30	84.0	1.9	
	3600	575	56C	U32P1GFCR	$647	DS-3RST	No	1.25	13.1	30	84.0	1.9	
	3600	575	56J	EE661-5	$390	DS-3RST	No	1.25	12.9	40	84.0	1.7	
	1800	200	145TC	U32P2HC	$549	DS-3RST	Rigid	1.25	13.1	35	86.5	5.7	
	1800	208-230/460	145TC	U32P2DC	$549	DS-3RST	Rigid	1.15	13.1	35	86.5	5.4-5/2.4	03
	1800	208-230/460	145TC	U32P2DCR	$534	DS-3RST	No	1.15	13.1	35	86.5	5.4-5/2.4	03
	1800	575	145TC	U32P2GC	$549	DS-3RST	Rigid	1.25	13.1	35	86.5	2	
	1800	575	145TC	U32P2GCR	$534	DS-3RST	No	1.25	13.1	35	86.5	2	
	1800	208-230/460	56C	U32P2DFC	$442	DS-3RST	Rigid	1.25	13.1	30	86.5	5.4-5/2.5	03
	1800	208-230/460	56J	EE694	$426	DS-3RST	Rigid	1.15	13.9	26	86.5	4.9-4.9/2.5	03,98
	1800	208-230/460	56C	U32P2DFCR	$426	DS-3RST	No	1.25	13.1	30	86.5	5.4-5/2.5	03
	1800	575	56C	U32P2GFC	$442	DS-3RST	Rigid	1.25	13.1	30	86.5	2	03
	1800	575	56C	U32P2GFCR	$426	DS-3RST	No	1.25	13.1	30	86.5	2	
	1200	208-230/460	182TC	U32P3DC	$845	DS-3AL	Rigid	1.25	16.2	60	87.5	0-5.5/2.7	03
	1200	575	182TC	U32P3GC	$845	DS-3AL	Rigid	1.25	16.2	60	87.5	2.2	
2	3600	208-230/460	145TC	U2P1DC	$604	DS-3RST	Rigid	1.25	13.1	35	86.5	6.8-6/3	03
	3600	575	145TC	U2P1GC	$604	DS-3RST	Rigid	1.25	13.1	35	86.5	2.4	
	3600	208-230/460	56C	U2P1DFC	$491	DS-3RST	Rigid	1.25	13.1	30	86.5	6.8-6/3	03
	3600	208-230/460	56J	EE706B	$480	DS-3RST	Rigid	1.25	13.4	39	85.5	5.4-5.1/2.6	98
	3600	208-230/460	56J	EE706	$465	DS-3RST	No	1.25	13.4	36	85.5	6.6-6.1/3.1	98
	3600	208-230/460	56C	T2P1ACR	$529	DS-3RST	No	1.15	13.6	35	85.5	7.1-6.0/3.0	04,16
	3600	575	56C	U2P1GFC	$496	DS-3RST	Rigid	1.25	13.1	30	86.5	2.4	
	3600	575	56C	U2P1GFCR	$479	DS-3RST	No	1.25	13.1	30	86.5	2.4	
	3600	575	56J	EE706-5	$465	DS-3RST	No	1.25	13.4	45	85.5	2.3	
	1800	208-230/460	145TC	U2P2DC	$593	DS-3RST	Rigid	1.15	13.1	35	86.5	0-6.3/3.1	03
	1800	208-230/460	145TC	U2P2DCR	$578	DS-3RST	No	1.25	13.1	35	86.5	7.2-6.7/3.3	03
	1800	575	145TC	U2P2GC	$593	DS-3RST	Rigid	1.25	13.1	35	86.5	2.7	
	1800	575	145TC	U2P2GCR	$578	DS-3RST	No	1.25	13.1	35	86.5	2.7	
	1800	208-230/460	56C	U2P2DFC	$484	DS-3RST	Rigid	1.25	13.1	30	86.5	7.2-6.7/3.3	03
	1800	208-230/460	56J	EE2156	$470	DS-3RST	Rigid	1.15	14.4	37	86.5	6.5-6.6/3.3	03,98
	1800	208-230/460	56C	U2P2DFCR	$467	DS-3RST	No	1.25	13.1	30	86.5	7.2-6.7/3.3	03
	1800	575	56C	U2P2GFC	$484	DS-3RST	Rigid	1.25	13.9	50	85.5	3	04,16
	1200	208-230/460	184TC	U2P3DC	$930	DS-3AL	Rigid	1.25	16.9	70	88.5	0-7.2/3.6	03
	1200	575	184TC	U2P3GC	$930	DS-3AL	Rigid	1.25	16.2	70	88.5	2.9	
3	3600	208-230/460	145TC	U3P1AFC	$600	DS-3RST	Rigid	1.25	13.1	35	86.5	9.4-9.1/4.5	03,14
	3600	208-230/460	145TC	U3P1A14CR	$575	DS-3RST	No	1.25	13.9	34	86.5	8.7/4.3	04,16
	3600	575	145TC	U3P1G14C	$600	DS-3RST	Rigid	1.25	13.1	35	86.5	3.6	
	3600	575	145TC	U3P1GCR	$568	DS-3RST	No	1.25	13.1	35	86.5	3.6	
	3600	208-230/460	182TC	U3P1DC	$860	DS-3AL	Rigid	1.25	16.2	50	87.5	0-9.4/4.7	03
	3600	208-230/460	182TCH	U3P1DK	$860	DS-3AL	Rigid	1.25	16.2	50	87.5	0-9.4/4.7	03
	3600	575	182TC	U3P1GC	$860	DS-3AL	Rigid	1.25	16.2	60	87.5	3.8	
	3600	208-230/460	56C	U3P1DFC	$568	DS-3RST	Rigid	1.25	13.1	30	86.5	9.4-9.1/4.5	03
	3600	208-230/460	56J	EE707B	$527	DS-3RST	Rigid	1.15	13.9	42	86.5	9.1-8.2/4.2	
	3600	208-230/460	56C	T3P1ACR	$583	DS-3RST	No	1.15	14.1	40	86.5	7.7/3.9	
	3600	208-230/460	56J	EE707	$512	DS-3RST	No	1.15	14.4	42	86.5	9.1-8.2/4.2	
	3600	575	56C	U3P1GFC	$568	DS-3RST	Rigid	1.25	13.1	30	86.5	3.6	
	3600	575	56C	U3P1GFCR	$551	DS-3RST	No	1.25	13.1	30	86.5	3.6	
	3600	575	56J	EE707-5	$512	DS-3RST	No	1.15	14.4	45	86.5	3.0	
	1800	208-230/460	182TC	U3P2DC	$772	DS-3AL	Rigid	1.25	16.2	70	89.5	0-9.5/4.7	03
	1800	208-230/460	182TCH	U3P2DK	$772	DS-3AL	Rigid	1.25	16.2	60	89.5	0-9.5/4.7	03
	1800	208-230/460	182TC	S3P2AC	$637	DS-3RST	Rigid	1.15	15.9	85	89.5	9.6-8.8/4.4	04,16
	1800	208-230/460	182TC	S3P2ACR	$607	DS-3RST	No	1.15	15.9	60	89.5	9.6-8.8/4.4	04,16
	1800	575	182TC	U3P2GC	$772	DS-3AL	Rigid	1.25	16.2	60	89.5	3.8	
	1800	575	182TC	S3P2GC	$637	DS-3RST	Rigid	1.15	15.9	60	89.5	3.5	04
	1800	575	182TC	S3P2GCR	$607	DS-3RST	No	1.15	15.9	60	89.5	3.5	04
	1200	208-230/460	213TC	U3P3DC	$1,150	DS-3AL	Rigid	1.15	18.8	110	89.5	0-10.5/4.9	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50Hz data on Nameplate

Note 04 On 60 Hertz Sine Wave power

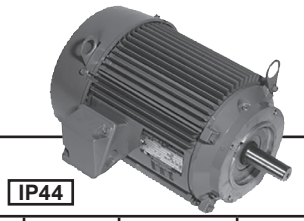
Note 14 NEMA® Design A

Note 16 Motors marked 208-230/460 volts may not meet all NEMA® (MG-1) performance standards when operated at 208 volts

Note 98 50/60 Hz Motor

Special Application Commercial Pump Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face

(continued)



HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Max Amps	Notes
5	3600	208-230/460	184TC	U5P1DC	$1,056	DS-3AL	Rigid	1.15	16.2	75	88.5	0-13.8/6.9	03
	3600	208-230/460	184TCH	U5P1DK	$1,056	DS-3AL	Rigid	1.15	16.2	75	88.5	0-13.8/6.9	03
	3600	208-230/460	184TC	S5P1AC	$752	DS-3RST	Rigid	1.15	15.9	65	88.5	16-14/7	04,16
	3600	208-230/460	184TC	S5P1ACR	$722	DS-3RST	No	1.15	15.9	70	88.5	16-14/7	04,16
	3600	575	184TC	S5P1GC	$752	DS-3RST	Rigid	1.15	15.9	70	88.5	5.6	04
	3600	575	184TC	U5P1GC	$1,056	DS-3AL	Rigid	1.25	16.2	70	88.5	6.1	
	3600	575	184TC	S5P1GCR	$722	DS-3RST	No	1.15	15.9	70	88.5	5.6	04
	1800	200	184TCH	U5P2HK	$882	DS-3AL	Rigid	1.25	16.9	80	89.5	17.6	03
	1800	208-230/460	184TC	U5P2DC	$882	DS-3AL	Rigid	1.25	16.9	80	90.2	17.4-15.3/7.7	03
	1800	208-230/460	184TCH	U5P2DK	$882	DS-3AL	Rigid	1.25	16.9	80	90.2	17.4-15.3/7.7	03
	1800	208-230/460	184TC	S5P2AC	$752	DS-3RST	Rigid	1.15	15.9	110	89.5	0-14.1/7	04,16
	1800	208-230/460	184TC	S5P2ACR	$722	DS-3RST	No	1.15	15.9	70	89.5	15.7-14.1/7	04,16
	1800	575	184TC	U5P2GC	$882	DS-3AL	Rigid	1.25	16.9	70	89.5	6.2	
	1800	575	184TC	S5P2GC	$752	DS-3RST	Rigid	1.15	15.9	70	89.5	5.6	04
	1800	575	184TC	S5P2GCR	$722	DS-3RST	No	1.15	15.9	70	89.5	5.6	04
	1200	208-230/460	215TC	U5P3DC	$1,597	DS-3AL	Rigid	1.25	20.3	135	90.2	0-16.8/8.4	03
	1200	575	215TC	U5P3GC	$1,597	DS-3AL	Rigid	1.25	20.3	135	89.5	6.7	
7 1/2	3600	208-230/460	213TC	S7P1AC	$996	DS-3RST	Rigid	1.15	19.4	116	89.5	23.4-20.5/10.3	04,16
	3600	208-230/460	213TC	U7P1DC	$1,306	DS-3AL	Rigid	1.25	18.8	105	91.0	0-22.3/11.2	03
	3600	208-230/460	213TC	S7P1ACR	$951	DS-3RST	No	1.15	19.4	105	89.5	23.4-20.5/10.3	04,16
	3600	575	213TC	U7P1GC	$1,306	DS-3AL	Rigid	1.25	18.8	105	89.5	9.3	
	3600	575	213TC	S7P1GC	$996	DS-3RST	Rigid	1.15	19.4	105	89.5	8.3	04,16
	3600	575	213TC	S7P1GCR	$951	DS-3RST	No	1.15	19.4	105	89.5	8.3	04
	1800	208-230/460	213TC	U7P2DC	$1,192	DS-3AL	Rigid	1.25	19.1	105	91.7	0-22.5/11.3	03
	1800	208-230/460	213TC	S7P2AC	$956	DS-3RST	Rigid	1.15	19.4	90	91.7	23.1-20.7/10.4	04,16
	1800	208-230/460	213TC	S7P2ACR	$911	DS-3RST	No	1.15	19.4	105	91.7	23.1-20.7/10.4	04,16
	1800	575	213TC	S7P2GC	$956	DS-3RST	Rigid	1.15	19.4	105	91.7	8.3	04,16
	1800	575	213TC	U7P2GC	$1,192	DS-3AL	Rigid	1.25	18.8	105	91.7	9	
	1800	575	213TC	S7P2GCR	$911	DS-3RST	No	1.15	19.4	105	91.7	8.3	04
	1200	208-230/460	254TC	U7P3DC	$2,147	DS-3AL	Rigid	1.25	23.9	180	91.0	0-23.1/11.6	03
	1200	575	254TC	U7P3GC	$2,147	DS-3AL	Rigid	1.25	24.0	180	91.0	9.3	
10	3600	208-230/460	215TC	U10P1DC	$1,511	DS-3AL	Rigid	1.25	20.3	125	91.0	35-29.8/14.9	03
	3600	208-230/460	215TC	S10P1AC	$1,142	DS-3RST	Rigid	1.15	19.4	131	90.2	0-27.2/13.6	04,16
	3600	208-230/460	215TC	S10P1ACR	$1,097	DS-3RST	No	1.15	19.4	120	90.2	31-27.2/13.6	04,16
	3600	575	215TC	U10P1GC	$1,511	DS-3AL	Rigid	1.25	20.1	125	91.7	11.9	
	3600	575	215TC	S10P1GC	$1,078	DS-3RST	Rigid	1.15	19.4	120	90.2	10.9	04,16
	3600	575	215TC	S10P1GCR	$1,097	DS-3RST	No	1.15	19.4	120	90.2	10.9	04
	1800	208-230/460	215TC	U10P2DC	$1,416	DS-3AL	Rigid	1.25	20.3	133	91.7	0-30/15	03
	1800	208-230/460	215TC	S10P2AC	$1,176	DS-3RST	Rigid	1.15	19.4	120	91.7	31-27.5/13.8	04,16
	1800	208-230/460	215TC	S10P2ACR	$1,131	DS-3RST	No	1.15	19.4	120	91.7	31-27.5/13.8	04,16
	1800	575	215TC	U10P2GC	$1,416	DS-3AL	Rigid	1.25	20.3	133	91.7	12	
	1800	575	215TC	S10P2GC	$1,176	DS-3RST	Rigid	1.15	19.4	120	91.7	11	04,16
	1800	575	215TC	S10P2GCR	$1,131	DS-3RST	No	1.15	19.4	120	91.7	11	04
	1200	208-230/460	256TC	U10P3DC	$2,558	DS-3AL	Rigid	1.25	25.8	230	91.7	0-31/15.3	03
15	3600	230/460	254TC	S15P1ACR	$1,658	DS-3RST	No	1.15	27.7	180	91.0	35/17.3	
	3600	208-230/460	215TC	U15P1DFC	$1,812	DS-3AL	Rigid	1.25	20.3	120.0	91.0	0-45/22.5	03
	3600	208-230/460	254TC	U15P1DC	$2,174	DS-3AL	Rigid	1.25	24.0	180.0	91.0	0-44/22.2	02,03
	3600	575	254TC	S15P1GCR	$1,658	DS-3RST	No	1.15	27.7	180	91.0	13.9	
	3600	575	254TC	U15P1GC	$2,174	DS-3AL	Rigid	1.25	24.0	185.0	91.0	17.9	
	1800	230/460	254TC	S15P2ACR	$1,655	DS-3RST	No	1.15	27.7	180	92.4	36/17.9	
	1800	208-230/460	254TC	U15P2DC	$1,973	DS-3AL	Rigid	1.15	23.9	180	92.4	0-42/21	03
	1800	575	254TC	S15P2GCR	$1,655	DS-3RST	No	1.15	27.7	180	92.4	14.4	
20	3600	230/460	256TC	S20P1ACR	$2,025	DS-3RST	No	1.15	27.7	230	91.0	46/23	14
	3600	208-230/460	256TC	U20P1DC	$2,650	DS-3AL	Rigid	1.25	25.6	230.0	91.0	0-59/29.7	02,03
	3600	575	256TC	S20P1GCR	$2,025	DS-3RST	No	1.15	27.7	230	91.0	18.5	14
	3600	575	256TC	U20P1GC	$2,650	DS-3AL	Rigid	1.25	25.8	230.0	91.0	23.9	02
	1800	230/460	256TC	S20P2ACR	$2,013	DS-3RST	No	1.15	27.7	230	93.0	48/24	14
	1800	208-230/460	256TC	U20P2DC	$2,391	DS-3AL	Rigid	1.25	25.8	230.0	93.0	0-60/29.8	03
	1800	575	256TC	S20P2GCR	$2,013	DS-3RST	No	1.15	27.7	230	93.0	19.4	14
25	3600	208-230/460	284TC	U25P1DC	$3,268	DS-3AL	Rigid	1.25	28.3	250	91.7	0-74/37	03
	1800	208-230/460	284TC	U25P2DC	$2,890	DS-3AL	Rigid	1.25	28.3	280	93.6	0-74/37	03
30	1800	208-230/460	286TC	U30P2DC	$3,333	DS-3AL	Rigid	1.25	28.4	325	93.6	92-91/45	03

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 04 On 60 Hertz Sine Wave power

Note 14 NEMA® Design A

Note 16 Motors marked 208-230/460 volts may not meet all NEMA® (MG-1) performance standards when operated at 208 volts

Close Coupled Pump Motors

Horsepower: 1 – 60 HP

Phase: Single and Three Phase

RPM: 1800 and 3600 RPM

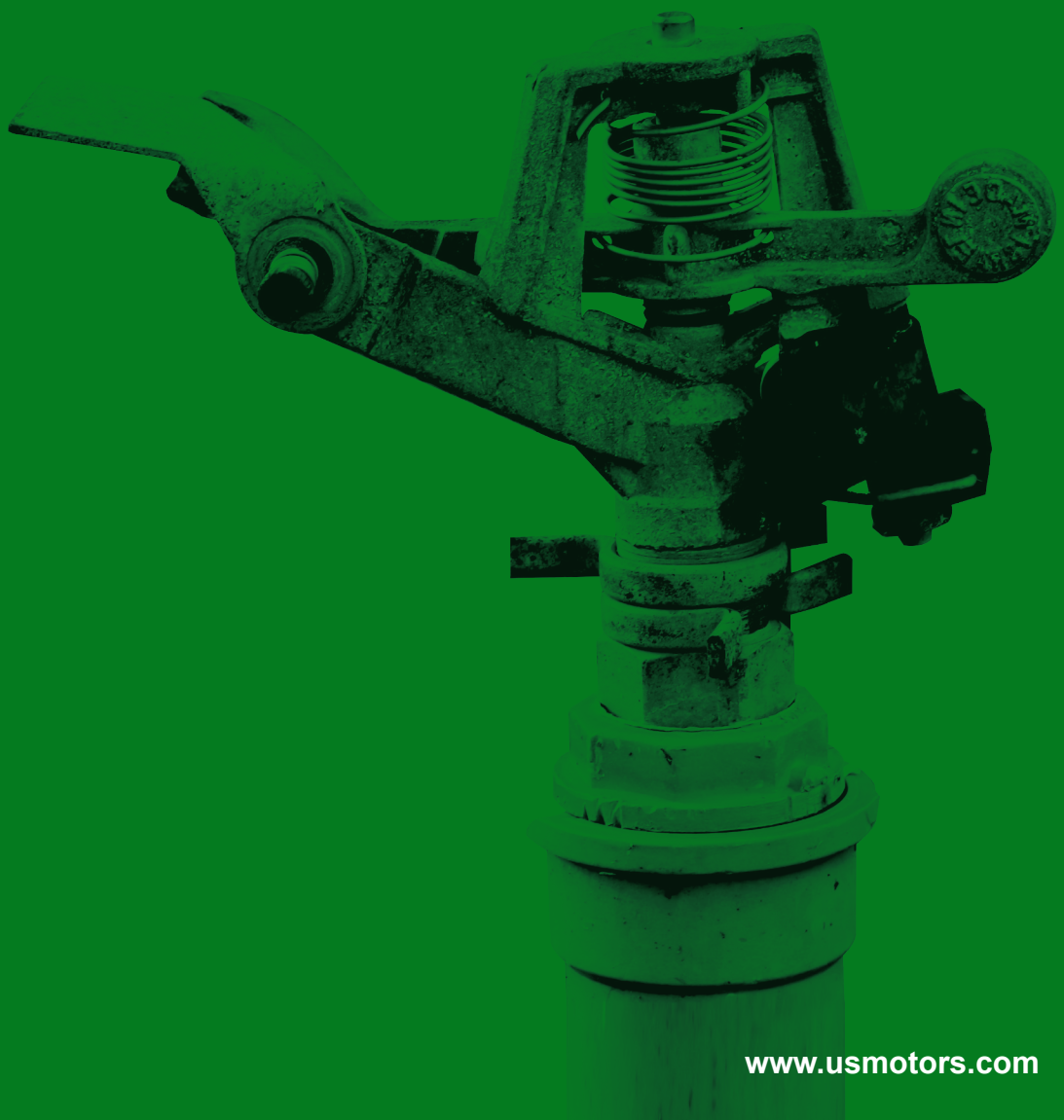
Voltage:
- 115/230
- 230
- 575
- 208-230/460
- 200
- 230/460 Volts

Efficiency: Energy and Premium Efficient

Enclosure:
- Open Drip Proof (ODP)
- Totally Enclosed, Fan Cooled (TEFC)
- Hazardous Location

Mounting: Footed and Footless

Shaft Types:
- JM
- JP
- Westcoast



Special Application Close Coupled Pump
Single Phase Open Drip Proof (ODP)



IP22

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used where dirt and moisture are minimal.

FEATURES:

- Class F Insulation
- Rolled Steel Frame
- Oversized Ball Bearings w/Locked Shaft End Construction
- Reversible
- F1 Assembly Position
- Shaft Slinger On Pulley End
- Lifting Provisions 180 Frame & Up
- "JM" Shaft For Mechanical Seal, "JP" Shaft for Packing Seal
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

JM Shaft - Footed

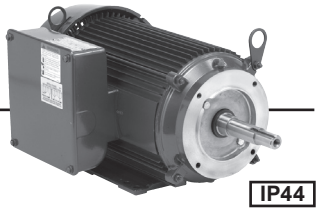
HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1	1800	115/208-230	143JM	EJM104B	$498	DS-3PO	1.15	13.8	33	14.2/7.2-7.1	25
1 1/2	1800	115/208-230	145JM	EJM154B	$589	DS-3PO	1.15	13.8	34	16.0/8.3-8.0	18,25
2	3600	115/208-230	145JM	EJM202B	$656	DS-3PO	1.15	14.6	35	19.6/10.7-9.8	18,25
	1800	115/230	182JM	DJ2C2P18M	$711	DS-3PO	1.15	17.5	70	23.2/11.6	18
3	3600	115/230	182JM	DJ3C1P18M	$786	DS-3PO	1.15	19.6	81	16.0/32.0	18
	3600	208-230	182JM	EJM302B	$707	DS-3PO	1.15	15.3	40	14.0-13.2	18,25
	1800	115/230	184JM	DJ3C2P18M	$716	DS-3PO	1.15	17.5	66	38.0/19.0	18
5	3600	208-230	184JM	EJM502B	$747	DS-3PO	1.15	16.3	45	24.0-23.7	18,25
	3600	230	184JM	DJ5C1K18M	$945	DS-3PO	1.15	19.6	82	19.6	18
	1800	230	184JM	DJ5C2K18M	$904	DS-3PO	1.15	19.6	86	22.0	18
	1800	230	213JM	DJ5C2K21M	$1,087	DS-3PO	1.15	20.5	105	22.0	25
7 1/2	3600	230	184JM	DJ7C1K18M	$1,135	DS-3PO	1.15	19.6	83	31.4	18,25
	3600	230	213JM	DJ7C1K21M	$1,364	DS-3PO	1.15	20.5	141	30.4	25
	1800	230	215JM	DJ7C2K21M	$1,161	DS-3PO	1.15	22.0	110	35.6	25
10	3600	230	215JM	DJ10C1K21M	$1,601	DS-3PO	1.15	22.0	173	40.0	25
	1800	230	215JM	DJ10C2K21M	$1,476	DS-3PO	1.15	22.0	115	42.2	25

JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3	1800	115/230	184JP	DJ3C2P18P	$716	DS-3PO	1.15	20.6	66	38.0/19.0	
5	3600	230	184JP	DJ5C1K18P	$945	DS-3PO	1.15	22.7	82	19.6	18
7 1/2	3600	230	213JP	DJ7C1K21P	$1,364	DS-3PO	1.15	24.5	141	30.4	25
10	3600	230	215JP	DJ10C1K21P	$1,601	DS-3PO	1.15	26.0	173	40.0	25
	1800	230	215JP	DJ10C2K21P	$1,476	DS-3PO	1.15	26.0	115	42.2	25

Note 18 Incorporates Run Capacitor
Note 25 Non-protected

Special Application Close Coupled Pump
Single Phase, Totally Enclosed Fan Cooled (TEFC)



IP44

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used where dirt and moisture are minimal.

FEATURES:

- Class F Insulation
- Extruded Aluminum Frame
- Oversized Ball Bearings w/Locked Shaft End Construction
- Reversible Rotation
- F1 Assembly Position
- Aluminum End Shields with Steel Bearing Inserts
- Shaft Slinger On Pulley End For IP54 Protection
- Lifting Provisions
- "JM" Shaft For Mechanical Seal, "JP" Shaft for Packing Seal

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3	3600	115/230	184JM	UJ3C1P18M	$1,042	DS-3PT	1.15	20.3	82	32.0/16.0	18
	1800	115/230	184JM	UJ3C2P18M	$872	DS-3PT	1.15	20.3	80	30.0/15.0	18
5	3600	230	184JM	UJ5C1K18M	$1,259	DS-3PT	1.15	20.3	80	19.6	18
	1800	230	215JM	UJ5C2K21M	$1,181	DS-3PT	1.15	22.3	90	23.0	18
7 1/2	3600	230	215JM	UJ7C1K21M	$1,487	DS-3PT	1.15	22.3	133	30.3	18
	1800	230	215JM	UJ7C2K21M	$1,282	DS-3PT	1.15	22.3	210	33.5	18
10	3600	230	215JM	UJ10C1K21M	$1,813	DS-3PT	1.15	22.3	210	40.0	18
	1800	230	215JM	UJ10C2K21M	$1,694	DS-3PT	1.15	22.3	210	43.0	18

JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3	1800	115/230	184JP	UJ3C2P18P	$872	DS-3PT	1.15	23.3	80	30.0/15.0	18
5	3600	230	184JP	UJ5C1K18P	$1,259	DS-3PT	1.15	23.3	80	19.6	18
	1800	230	215JP	UJ5C2K21P	$1,181	DS-3PT	1.15	26.2	90	23.0	18
7 1/2	3600	230	215JP	UJ7C1K21P	$1,487	DS-3PT	1.15	26.2	180	30.3	18
	1800	230	215JP	UJ7C2K21P	$1,282	DS-3PT	1.15	26.2	120	33.5	18
10	3600	230	215JP	UJ10C1K21P	$1,813	DS-3PT	1.15	26.2	145	40.0	18
	1800	230	215JP	UJ10C2K21P	$1,694	DS-3PT	1.15	26.2	140	43.0	18

Note 18 Incorporates Run Capacitor

Special Application Close Coupled Pump Three Phase Open Drip Proof (ODP) NEMA®† Premium Efficient



NEMA Premium

IP22

DE1, DE3, DE4, DEF4

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft.
Used in damp, dusty or dirty environments.

FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame
- Aluminum End Shields 140-250, Cast Iron End Shields 280-320
- Oversized Ball Bearings w/Locked Shaft End Construction
- Premasked Mylar Nameplate
- F1 Assembly Position
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 210 Frame & Up
- Double Shielded Bearings
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- "JM" Shaft For Mechanical Seal
- "JM" Shaft on 210 Frame and Smaller; JP Shaft on 250 and 280 Frame
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3/4	1200	208-230/460	143JM	DJ34P3DM	$655	DS-3POP	1.15	15.0	30	80.0	2.8-2.8/1.4	03
1	1800	200	143JM	DJ1P2HM	$487	DS-3POP	1.15	15.0	30	85.5	3.6	
	1800	208-230/460	143JM	DJ1P2DM	$487	DS-3POP	1.15	15.0	30	85.5	3.1-3.1/1.5	03
	1200	208-230/460	145JM	DJ1P3DM	$655	DS-3POP	1.15	15.0	35	82.5	4.0/2.0	03
1 1/2	3600	208-230/460	143JM	DJ32P1DM	$519	DS-3POP	1.15	15.0	30	85.5	4.2-3.8/1.9	03
	1800	200	145JM	DJ32P2HM	$513	DS-3POP	1.15	15.0	35	86.5	4.8	
	1800	208-230/460	145JM	DJ32P2DM	$513	DS-3POP	1.15	15.0	35	86.5	4.4-4.1/2.1	03
	1200	208-230/460	182JM	DJ32P3DM	$660	DS-3POP	1.15	16.0	50	86.5	5.2-5.3/2.6	03
2	3600	208-230/460	145JM	DJ2E1DM	$524	DS-3FPO	1.15	15.0	35	84.0	5.6-5.1/2.5	03,16,NNP,LA
	3600	208-230/460	145JM	DJ2P1DM	$567	DS-3POP	1.15	15.0	35	85.5	5.5-5/2.5	03
	1800	200	145JM	DJ2P2HM	$563	DS-3POP	1.15	15.0	35	86.5	6.3	
	1800	208-230/460	145JM	DJ2P2DM	$563	DS-3POP	1.15	15.0	35	86.5	5.9-5.6/2.8	03
	1800	575	145JM	DJ2E2GM	$482	DS-3FPO	1.15	15.0	37	84.0	2.4	NNP,LA
	1800	575	145JM	DJ2P2GM	$563	DS-3POP	1.15	15.0	35	85.5	2.2	
	1200	208-230/460	184JM	DJ2P3DM	$739	DS-3POP	1.15	16.0	60	87.5	6.4-6.3/3.1	03
3	3600	208-230/460	145JM	DJ3P1DM	$582	DS-3POP	1.15	15.0	35	85.5	8.3-7.4/3.7	03
	1800	200	182JM	DJ3P2HM	$598	DS-3POP	1.15	16.0	50	89.5	8.8	
	1800	208-230/460	182JM	DJ3P2DM	$598	DS-3POP	1.15	16.0	50	89.5	8.3-7.7/3.8	03
	1200	208-230/460	213JM	DJ3P3DM	$941	DS-3POP	1.15	18.0	90	88.5	9.4-8.9/4.4	03
5	3600	200	182JM	DJ5E1HM	$718	DS-3FPO	1.15	17.0	50	85.5	14.8	NNP,LA
	3600	200	182JM	DJ5P1HM	$620	DS-3POP	1.15	16.0	50	88.5	14.1	
	3600	208-230/460	182JM	DJ5P1DM	$620	DS-3POP	1.15	16.0	50	87.5	13.8-12.5/6.2	03
	1800	200	184JM	DJ5P2HM	$645	DS-3POP	1.15	16.0	60	89.5	14.2	
	1800	208-230/460	184JM	DJ5P2DM	$645	DS-3POP	1.15	16.0	60	89.5	13.7-12.4/6.2	03
	1800	575	184JM	DJ5P2GM	$645	DS-3POP	1.15	16.0	60	89.5	4.9	
	1200	208-230/460	215JM	DJ5P3DM	$1,234	DS-3POP	1.15	19.0	105	89.5	15.2-14.5/7.3	03
7 1/2	3600	208-230/460	184JM	DJ7P1DM	$968	DS-3POP	1.15	16.0	60	88.5	20.3-18.1/9.1	03
	1800	200	213JM	DJ7P2HM	$943	DS-3POP	1.15	18.0	90	91.0	21.4	
	1800	208-230/460	213JM	DJ7P2DM	$943	DS-3POP	1.15	18.0	90	91.0	20.2-18.5/9.3	03
	1800	575	213JM	DJ7P2GM	$943	DS-3POP	1.15	18.0	90	91.0	7.3	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

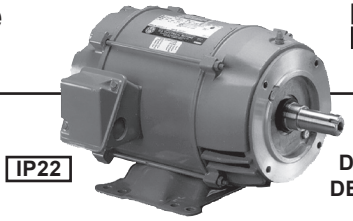
Note 16 Motors marked 208-230/460 volts may not meet all NEMA®† (MG-1) performance standards when operated at 208 volts

Note LA Limited Availability

Note NNP Non-NEMA®† Premium

Special Application Close Coupled Pump Three Phase Open Drip Proof (ODP) NEMA®† Premium Efficient

(continued)



HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10	3600	200	213JM	DJ10P1HM	$1,132	DS-3POP	1.15	18.0	90	90.2	28	
	3600	208-230/460	213JM	DJ10P1DM	$1,132	DS-3POP	1.15	18.0	90	90.2	27.1-24.3/12.2	03
	3600	575	213JM	DJ10P1GM	$1,132	DS-3POP	1.15	18.0	90	90.2	9.7	
	1800	200	215JM	DJ10P2HM	$1,147	DS-3POP	1.15	19.0	105	91.7	28.1	
	1800	208-230/460	215JM	DJ10P2DM	$1,147	DS-3POP	1.15	19.0	105	92.4	26.3-23.8/11.9	03
15	3600	208-230/460	215JM	DJ15P1DM	$1,555	DS-3POP	1.15	19.0	105	90.2	40-36/18	03
	1800	230/460	254JM	DJ15P2EM	$1,712	DS-3POP	1.15	21.1	150	93.0	37/18.3	03
20	3600	230/460	254JM	DJ20P1DM	$1,874	DS-3POP	1.15	21.1	150	91.0	52-46/23.1	03
	3600	575	254JM	DJ20E1GM	$1,611	DS-3FPO	1.15	24.0	170	90.2	18.9	NNP,LA
	3600	575	254JM	DJ20P1GM	$1,874	DS-3POP	1.15	21.1	150	91.0	18.7	
	1800	230/460	256JM	DJ20P2EM	$1,970	DS-3POP	1.15	22.4	160	93.0	47/23.6	03
25	3600	230/460	256JM	DJ25P1DM	$2,567	DS-3POP	1.15	22.4	160	91.7	56.0/28.2	03
	1800	230/460	284JM	DJ25P2EM	$2,435	DS-3POP	1.15	26.5	225	93.6	58.0/29.2	G
30	3600	230/460	284JM	DJ30P1EM	$2,901	DS-3POP	1.15	26.5	225	91.7	69.0/34.0	G
	1800	208-230/460	286JM	DJ30P2DM	$2,892	DS-3POP	1.15	26.0	250	94.1	77-69/34	03
40	3600	230/460	286JM	DJ40P1EM	$3,171	DS-3POP	1.15	26.5	250	92.4	90.0/45.0	G
	3600	575	286JM	DJ40P1GM	$3,171	DS-3POP	1.15	26.0	250	93.0	36	
	1800	208-230/460	324JM	DJ40P2DM	$3,178	DS-3POP	1.15	28.0	385	94.1	102-91/46	03
50	3600	230/460	324JM	DJ50P1EM	$3,567	DS-3POP	1.15	27.8	215	93.0	125-112/56	G
	1800	208-230/460	326JM	DJ50P2DM	$3,725	DS-3POP	1.15	28.0	460	94.5	126-113/56	03
60	3600	208-230/460	326JM	DJ60P1EM	$4,916	DS-3POP	1.15	27.8	460	93.6	146-134/67	G

JM Shaft - Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JM	DJ1P2DU	$570	DS-3POV	1.15	16.0	30	85.5	3.2-3.1/1.6	03
1 1/2	1800	208-230/460	145JM	DJ32P2DU	$581	DS-3POV	1.15	16.0	35	86.5	4.4-4.2/2.1	03
2	1800	208-230/460	145JM	DJ2P2DU	$642	DS-3POV	1.15	16.0	35	86.5	5.9-5.6/2.8	03
3	1800	208-230/460	182JM	DJ3P2DU	$758	DS-3POV	1.15	17.0	50	89.5	8.3-7.7/3.8	03
5	1800	208-230/460	184JM	DJ5P2DU	$898	DS-3POV	1.15	17.0	82	89.5	13.7-12.4/6.2	03
7 1/2	1800	208-230/460	213JM	DJ7P2DU	$1,188	DS-3POV	1.15	19.0	90	91.0	20.2-18.5/9.3	03
10	3600	208-230/460	213JM	DJ10P1DU	$1,420	DS-3POV	1.15	19.0	90	90.2	27.1-24.3/12.2	03
	1800	208-230/460	215JM	DJ10P2DU	$1,400	DS-3POV	1.15	19.0	105	91.7	26.3-23.8/11.9	03
15	3600	208-230/460	215JM	DJ15P1DU	$1,809	DS-3POV	1.15	19.0	105	90.2	40-36/18	03
	1800	230/460	254JM	DJ15P2EU	$2,055	DS-3POV	1.15	21.9	150	93.0	37/18.3	
20	3600	230/460	254JM	DJ20P1EU	$2,249	DS-3POV	1.15	25.5	150	91.7	46/23.1	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note LA Limited Availability

Note NNP Non-NEMA® Premium

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

Special Application Close Coupled Pump Three Phase Open Drip Proof (ODP) NEMA®† Premium Efficient

(continued)



NEMA Premium

IP22

DE1, DE3, DE4, DEF4

JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JP	DJ1P2DP	$487	DS-3POP	1.15	18.0	30	85.5	3.2-3.1/1.6	03
1 1/2	1800	208-230/460	145JP	DJ32P2DP	$513	DS-3POP	1.15	18.0	35	86.5	4.4-4.2/2.1	03
2	1800	208-230/460	145JP	DJ2P2DP	$563	DS-3POP	1.15	18.0	35	86.5	5.9-5.6/2.8	03
3	1800	208-230/460	182JP	DJ3P2DP	$598	DS-3POP	1.15	19.0	50	89.5	8.3-7.7/3.8	03
5	1800	208-230/460	184JP	DJ5P2DP	$645	DS-3POP	1.15	19.0	60	89.5	13.7-12.4/6.2	03
7 1/2	1800	208-230/460	213JP	DJ7P2DP	$943	DS-3POP	1.15	22.0	90	91.0	20.2-18.5/9.3	03
	1200	230/460	254JP	DJ7P3EP	$1,565	DS-3POP	1.15	24.0	150	91.0	18.9/9.5	03
10	3600	208-230/460	213JP	DJ10P1DP	$1,132	DS-3POP	1.15	22.0	90	90.2	27.1-24.3/12.2	03
	1800	208-230/460	215JP	DJ10P2DP	$1,147	DS-3POP	1.15	23.0	105	91.7	26.3-23.8/11.9	03
	1200	230/460	256JP	DJ10P3EP	$2,036	DS-3POP	1.15	25.3	160	91.7	25/12.5	03
15	3600	200	215JP	DJ15P1HP	$1,555	DS-3POP	1.15	23.0	105	90.2	41	
	3600	208-230/460	215JP	DJ15P1DP	$1,555	DS-3POP	1.15	23.0	105	90.2	40-36/18	03
	1800	200	254JP	DJ15P2HP	$1,569	DS-3POP	1.15	27.4	150	93.0	42	
	1800	230/460	254JP	DJ15P2EP	$1,569	DS-3POP	1.15	24.0	150	93.0	37/18.3	03
20	3600	230/460	254JP	DJ20P1EP	$1,882	DS-3POP	1.15	24.0	150	91.7	46/23.1	03
	3600	200	254JP	DJ20P1HP	$1,882	DS-3POP	1.15	24.0	150	91.7	53	
	1800	230/460	256JP	DJ20P2EP	$2,012	DS-3POP	1.15	25.3	160	93.0	47/23.6	03
	1800	200	256JP	DJ20P2HP	$2,012	DS-3POP	1.15	25.3	160	93.0	54	
25	3600	230/460	256JP	DJ25P1EP	$2,461	DS-3POP	1.15	25.3	160	91.7	57/28.7	03
	3600	200	256JP	DJ25P1HP	$2,461	DS-3POP	1.15	25.3	160	91.7	67	
	1800	575	284JP	DJ25E2GP	$2,406	DS-3FPO	1.15	29.0	213	91.7	24.4	NNP,LA
	1800	575	284JP	DJ25P2GP	$2,435	DS-3POP	1.15	29.0	225	93.6	23.1	
30	3600	230/460	284JP	DJ30P1EP	$2,901	DS-3POP	1.15	29.4	225	91.7	69/34	G
	1800	208-230/460	286JP	DJ30P2DP	$2,892	DS-3POP	1.15	29.0	250	94.1	77-69/34	03
40	3600	230/460	286JP	DJ40P1EP	$3,171	DS-3POP	1.15	29.4	250	92.4	90/45	G
	3600	575	286JP	DJ40E1GP	$3,512	DS-3FPO	1.15	29.0	320	93.0	36	NNP,LA
	3600	575	286JP	DJ40P1GP	$3,171	DS-3POP	1.15	29.0	250	93.0	36	
	1800	208-230/460	324JP	DJ40P2DP	$3,178	DS-3POP	1.15	30.0	454	94.1	102-91/46	03
50	3600	208-230/460	324JP	DJ50P1EP	$3,567	DS-3POP	1.15	30.6	385	93.0	125-112/56	G
	1800	208-230/460	326JP	DJ50P2DP	$3,725	DS-3POP	1.15	30.0	454	94.5	126-113/56	03
60	3600	208-230/460	326JP	DJ60P1EP	$4,916	DS-3POP	1.15	30.6	460	93.6	146-134/67	G

Westcoast Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
7 1/2	1800	208-230/460	213TCZ	DJ7P2DJ	$943	DS-3POP	1.15	21.0	90	91.0	20.2-18.5/9.3	03
10	3600	208-230/460	213TCZ	DJ10P1DJ	$1,132	DS-3POP	1.15	21.0	90	90.2	27.1-24.3/12.2	03
	1800	208-230/460	215TCZ	DJ10P2DJ	$1,147	DS-3POP	1.15	22.0	105	91.7	26.3-23.8/11.9	03
15	3600	208-230/460	215TCZ	DJ15P1DJ	$1,555	DS-3POP	1.15	22.0	105	90.2	40-36/18	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

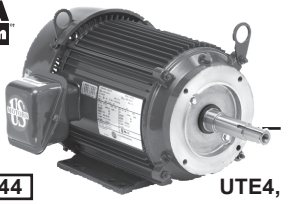
Note LA Limited Availability

Note NNP Non-NEMA® Premium

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate

Special Application Close Coupled Pump Three Phase Totally Enclosed Fan Cooled (TEFC) NEMA®† Premium Efficient

NEMA Premium



IP44

UTE4, UTE1, UTE3

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used in damp, dusty or dirty environments.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Rolled Steel Frame 140, Aluminum 180-280, Cast Iron 280 (HJ)
- Cast Iron End Brackets 280 & Up, 250 Frame and Lower Has Aluminum With Steel Bearing Inserts
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Shaft End Bearing 180 Frame & Up
- Double Shielded Bearings
- Removable Base (180 - 250 Frame)
- Lifting Provisions 180 Frame & Up
- Conversion Kits: Canopy Kits
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

JM Shaft For Mechanical Seal

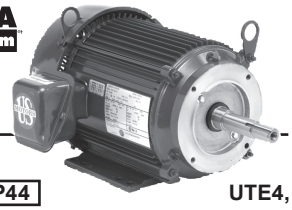
HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	3600	230/460	143JM	UJ1P1BM	$529	DS-3PT	1.25	14.3	30	81.5	2.7/1.4	
	3600	575	143JM	UJ1P1GM	$529	DS-3PT	1.25	14.3	30	81.5	1.1	
	1800	208-230/460	143JM	UJ1P2DM	$518	DS-3PT	1.25	15.3	30	85.5	3.1-3/1.5	03
	1800	575	143JM	UJ1P2GM	$518	DS-3PT	1.25	14.3	30	85.5	1.1	
1 1/2	3600	208-230/460	143JM	UJ32P1DM	$584	DS-3PT	1.25	15.3	30	84.0	4.1-3.8/1.9	03
	3600	575	143JM	UJ32P1GM	$584	DS-3PT	1.25	14.3	30	84.0	1.6	
	1800	208-230/460	145JM	UJ32P2DM	$565	DS-3PT	1.15	15.3	35	86.5	4.5-4.3/2.1	03
	1800	575	145JM	UJ32P2GM	$565	DS-3PT	1.25	15.3	30	86.5	1.7	
2	3600	208-230/460	145JM	UJ2P1DM	$622	DS-3PT	1.25	15.3	35	86.5	5.4-4.9/2.5	03
	3600	575	145JM	UJ2P1GM	$622	DS-3PT	1.25	15.3	42	86.5	2	
	1800	208-230/460	145JM	UJ2P2DM	$611	DS-3PT	1.25	15.3	35	86.5	5.9-5.7/2.8	03
	1800	575	145JM	UJ2P2GM	$611	DS-3PT	1.25	15.3	35	86.5	2.3	
3	3600	208-230/460	145JM	UJ3P1DFM	$738	DS-3PT	1.25	15.3	35	86.5	8.1-7.2/3.6	03,14
	3600	208-230/460	182JM	UJ3P1DM	$886	DS-3PT	1.25	17.8	60	87.5	8.4-7.8/3.9	03
	3600	575	145JM	UJ3P1GFM	$738	DS-3PT	1.25	15.3	35	86.5	2.9	14
	3600	575	182JM	UJ3P1GM	$886	DS-3PT	1.25	17.8	100	87.5	3.1	
	1800	208-230/460	182JM	UJ3P2DM	$795	DS-3PT	1.25	17.8	60	89.5	8.4-7.8/3.9	03
	1800	575	182JM	UJ3P2GM	$795	DS-3PT	1.25	17.8	60	89.5	3.1	
5	3600	208-230/460	184JM	UJ5P1DM	$1,088	DS-3PT	1.25	17.8	70	88.5	13.4-12.2/6.1	03
	3600	575	184JM	UJ5P1GM	$1,088	DS-3PT	1.25	17.8	100	88.5	4.9	
	1800	208-230/460	184JM	UJ5P2DM	$908	DS-3PT	1.25	18.6	70	90.2	13.6-12.3/6.2	03
	1800	575	184JM	UJ5P2GM	$908	DS-3PT	1.25	18.6	70	89.5	5	
7 1/2	3600	208-230/460	184JM	UJ7P1DFM	$1,213	DS-3PT	1.25	17.8	70	90.2	19.9-19/9.5	03,14
	3600	208-230/460	213JM	UJ7P1DM	$1,345	DS-3PT	1.25	19.9	105	91.0	19.9-17.8/8.9	03
	3600	575	184JM	UJ7P1GFM	$1,213	DS-3PT	1.25	17.8	70	89.5	7.1	14
	3600	575	213JM	UJ7P1GM	$1,345	DS-3PT	1.25	19.9	240	91.0	7.1	
	1800	208-230/460	213JM	UJ7P2DM	$1,228	DS-3PT	1.25	19.9	105	91.7	20-18.2/9.1	03
	1800	575	213JM	UJ7P2GM	$1,228	DS-3PT	1.25	19.9	105	91.7	7.2	
10	3600	208-230/460	215JM	UJ10P1DM	$1,556	DS-3PT	1.25	21.4	120	91.0	26.4-23.5/11.7	03
	3600	575	215JM	UJ10P1GM	$1,556	DS-3PT	1.25	21.4	166	91.0	9.4	
	1800	208-230/460	215JM	UJ10P2DM	$1,458	DS-3PT	1.25	21.4	120	91.7	26.5-23.9/12	03
	1800	575	215JM	UJ10P2GM	$1,458	DS-3PT	1.25	21.4	120	91.7	9.6	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA®† Design A

Special Application Close Coupled Pump Three Phase Totally Enclosed Fan Cooled (TEFC) NEMA®† Premium Efficient

(continued)



IP44

UTE4, UTE1, UTE3

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
15	3600	208-230/460	215JM	UJ15P1DFM	$1,801	DS-3PT	1.25	21.4	120	91.7	39-36/18	03,14
	3600	208-230/460	254JM	UJ15P1DM	$2,239	DS-3PT	1.25	25.4	180	91.0	39-35/17.7	03,14
	3600	575	215JM	UJ15P1GFM	$1,801	DS-3PT	1.25	21.4	120	91.7	14.4	14
	3600	575	254JM	UJ15P1GM	$2,239	DS-3PT	1.25	25.4	180	91.0	14.1	
	1800	208-230/460	254JM	UJ15P2DM	$2,131	DS-3PT	1.25	25.4	180	92.4	40-37/18.4	03
	1800	575	254JM	UJ15P2GM	$2,131	DS-3PT	1.25	25.4	180	92.4	14.6	
20	3600	208-230/460	256JM	UJ20P1DM	$2,730	DS-3PT	1.25	27.1	230	91.7	51-46/23	03,14
	3600	575	256JM	UJ20P1GM	$2,730	DS-3PT	1.25	27.1	230	91.0	18.5	
	1800	208-230/460	256JM	UJ20P2DM	$2,463	DS-3PT	1.25	27.1	230	93.0	53-47/23.5	03
	1800	575	256JM	UJ20P2GM	$2,463	DS-3PT	1.15	27.1	230	93.0	19	
25	3600	208-230/460	256JM	UJ25P1DFM	$3,235	DS-3PT	1.15	27.1	230	91.7	64-57/28.3	03,14
	3600	208-230/460	284JM	UJ25P1DM	$3,595	DS-3PT	1.25	29.1	280	91.7	65-57/28.4	03,14
	3600	575	256JM	UJ25P1GFM	$3,235	DS-3PT	1.15	27.1	230	91.7	22.6	14
	3600	575	284JM	HJ25P1GM	$3,595	DS-3PT	1.15	27.9	380	91.7	23	
	1800	208-230/460	284JM	UJ25P2DM	$3,237	DS-3PT	1.25	29.1	280	93.6	65-59/29.3	03
	1800	575	284JM	HJ25P2GM	$3,237	DS-3PT	1.15	27.9	380	93.6	23	
30	3600	460	286JM	HJ30P1BM	$4,383	DS-3PT	1.15	27.9	275	91.7	69/34	
	3600	575	286JM	HJ30P1GM	$4,383	DS-3PT	1.15	27.9	410	91.7	27.6	
	1800	208-230/460	286JM	UJ30P2DM	$3,666	DS-3PT	1.25	29.1	300	93.6	78-70/35	03

JP Shaft For Packing Seal

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JP	UJ1P2DP	$518	DS-3PT	1.25	18.3	30	85.5	3.1-3/1.5	03
	1800	575	143JP	UJ1P2GP	$518	DS-3PT	1.25	17.3	30	85.5	1.1	
1 1/2	1800	208-230/460	145JP	UJ32P2DP	$565	DS-3PT	1.25	18.3	35	86.5	4.5-4.3/2.1	03
	1800	575	145JP	UJ32P2GP	$565	DS-3PT	1.25	18.3	30	86.5	1.7	
2	3600	208-230/460	145JP	UJ2P1DP	$622	DS-3PT	1.25	18.3	35	86.5	5.4-4.9/2.5	03
	1800	208-230/460	145JP	UJ2P2DP	$611	DS-3PT	1.25	18.3	35	86.5	5.9-5.7/2.8	03
	1800	575	145JP	UJ2P2GP	$611	DS-3PT	1.25	18.3	35	86.5	2.2	
3	3600	208-230/460	145JP	UJ3P1DFP	$738	DS-3PT	1.25	18.3	35	86.5	8.1-7.2/3.6	03,14
	3600	208-230/460	182JP	UJ3P1DP	$886	DS-3PT	1.25	20.8	60	87.5	8.4-7.8/3.9	03
	1800	208-230/460	182JP	UJ3P2DP	$795	DS-3PT	1.25	20.8	60	89.5	8.4-7.8/3.9	03
	1800	575	182JP	UJ3P2GP	$795	DS-3PT	1.25	20.8	60	89.5	3.1	
5	3600	208-230/460	184JP	UJ5P1DP	$1,088	DS-3PT	1.25	20.8	70	88.5	13.4-12.2/6.1	03
	1800	208-230/460	184JP	UJ5P2DP	$908	DS-3PT	1.25	21.6	70	90.2	13.6-12.3/6.2	03
	1800	575	184JP	UJ5P2GP	$908	DS-3PT	1.25	21.6	70	89.5	5	
7 1/2	3600	208-230/460	184JP	UJ7P1DFP	$1,210	DS-3PT	1.25	20.9	70	90.2	19.9-19/9.5	03,14
	3600	208-230/460	213JP	UJ7P1DP	$1,345	DS-3PT	1.25	23.8	105	91.0	19.9-17.8/8.9	03
	1800	208-230/460	213JP	UJ7P2DP	$1,228	DS-3PT	1.25	23.8	105	91.7	20-18.2/9.1	03
	1800	575	213JP	UJ7P2GP	$1,228	DS-3PT	1.25	23.8	105	91.7	7.2	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA®† Design A

Special Application Close Coupled Pump Three Phase Totally Enclosed Fan Cooled (TEFC) NEMA®† Premium Efficient

(continued)

NEMA Premium



IP44

UTE4, UTE1, UTE3

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
10	3600	208-230/460	215JP	UJ10P1DP	$1,556	DS-3PT	1.25	25.3	120	91.0	26.4-23.5/11.7	03
	1800	208-230/460	215JP	UJ10P2DP	$1,458	DS-3PT	1.25	25.3	120	91.7	26.5-23.9/12	03
	1800	575	215JP	UJ10P2GP	$1,458	DS-3PT	1.25	25.3	120	91.7	9.6	
15	3600	208-230/460	215JP	UJ15P1DFP	$1,801	DS-3PT	1.25	25.3	120	91.7	39-36/18	03,14
	3600	208-230/460	254JP	UJ15P1DP	$2,239	DS-3PT	1.25	28.3	180	91.0	39-35/17.7	03,14
	1800	208-230/460	254JP	UJ15P2DP	$2,131	DS-3PT	1.25	28.3	180	92.4	40-37/18.4	03
	1800	575	254JP	UJ15P2GP	$2,131	DS-3PT	1.25	28.3	180	92.4	14.6	
20	3600	208-230/460	256JP	UJ20P1DP	$2,730	DS-3PT	1.25	30.0	230	91.7	51-46/23	03,14
	1800	208-230/460	256JP	UJ20P2DP	$2,463	DS-3PT	1.25	30.0	230	93.0	53-47/23.5	03
	1800	575	256JP	UJ20P2GP	$2,463	DS-3PT	1.25	30.0	230	93.0	19	
25	3600	208-230/460	256JP	UJ25P1DFP	$3,235	DS-3PT	1.15	30.0	230	91.7	64-57/28.3	03,14
	3600	208-230/460	284JP	UJ25P1DP	$3,595	DS-3PT	1.25	32.0	280	91.7	65-57/28.4	03
	1800	208-230/460	284JP	UJ25P2DP	$3,237	DS-3PT	1.25	32.0	280	93.6	65-59/29.3	03
	1800	575	284JP	HJ25P2GP	$3,237	DS-3PT	1.15	30.8	380	93.6	23	
30	3600	230/460	286JP	HJ30P1BP	$4,383	DS-3PT	1.15	30.75	410	91.7	69/34	
	1800	208-230/460	286JP	UJ30P2DP	$3,666	DS-3PT	1.25	32.0	300	93.6	78-70/35	03

Westcoast Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
7 1/2	3600	208-230/460	213TCZ	UJ7P1DJ	$1,345	DS-3PT	1.25	22.8	105	91.0	19.9-17.8/8.9	03
	1800	208-230/460	213TCZ	UJ7P2DJ	$1,228	DS-3PT	1.25	22.8	105	91.7	20-18.2/9.1	03
10	3600	208-230/460	215TCZ	UJ10P1DJ	$1,556	DS-3PT	1.25	24.3	120	91.0	26.4-23.5/11.7	03
	1800	208-230/460	215TCZ	UJ10P2DJ	$1,458	DS-3PT	1.25	24.3	120	91.7	26.5-23.9/12	03
15	3600	208-230/460	215TCZ	UJ15P1DFJ	$1,801	DS-3PT	1.25	24.3	120	91.7	39-36/18	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA®† Design A

World Motor C-Face Kits

APPLICATIONS:

Kit designed for conversion of off-the-shelf motors to accommodate a C Flange Mount on World Motor Construction.

CTE, CTI
JDE (Automotive Duty)

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
140	2064247	$150	DS-3TE	4-1/2"	40,NR
180	2063436	$217	DS-3TE	4-1/2"	40
	2063437	$200	DS-3TE	8-1/2"	40
210	2060434	$275	DS-3TE	8-1/2"	40
250	2059784	$320	DS-3TE	8-1/2"	40,41
280	2059321	$383	DS-3TE	10-1/2"	41
320	2060743	$550	DS-3TE	12-1/2"	41
360	2061478	$750	DS-3TE	12-1/2"	41
400	2065880	$1,250	DS-3TE	12-1/2"	42
440T	2066545	$1,583	DS-3TE	16"	NC
440TS	2066399	$1,583	DS-3TE	16"	NC

TCE, CE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
140	2064224	$150	DS-3TE	4-1/2"	40, IN, NR
180	2063392	$242	DS-3TE	8-1/2"	40, IN
	2063391	$242	DS-3TE	4-1/2"	40, IN
210	2060203	$292	DS-3TE	8-1/2"	40, IN
250	2059695	$375	DS-3TE	8-1/2"	40, IN
280	2046247	$417	DS-3TE	10-1/2"	IN
320	2060739	$583	DS-3TE	12-1/2"	IN
360	2061427	$783	DS-3TE	12-1/2"	IN
400	2065842	$1,250	DS-3TE	12-1/2"	IN
440T	2066299	$1,583	DS-3TE	16"	IN
440TS	2066298	$1,583	DS-3TE	16"	IN, NC

CE (400/440 Frame)

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
400	2066054 & 900460	$1,725	DS-3TE	12-1/2"	
440T	2066353 & 900461	$2,163	DS-3TE	16"	42

Note 40 Non-NEMA® "BA" Dimension
Note 41 Pulley End Bearing Clamp provision
Note 42 Not usable on Short Shaft (TS or US)
Note IN Inpro Seal is not available
Note NC Not CE
Note NR Cannot Regrease

World Motor D Flange Kits

APPLICATIONS:

Kit designed for conversion of off-the-shelf motor to accommodate a D Flange Mount on World Motor Construction.

FCT, CTI, CTE
JDE (Automotive Duty)

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
180	2063438	$250	DS-3TE	9"	40
210	2060435	$333	DS-3TE	9"	40
250	2059785	$467	DS-3TE	11"	40,41
280	2059322	$583	DS-3TE	11"	41
320	2080456	$650	DS-3TE	14"	
360	2080463	$850	DS-3TE	14"	
400	2080475	$1,250	DS-3TE	18"	

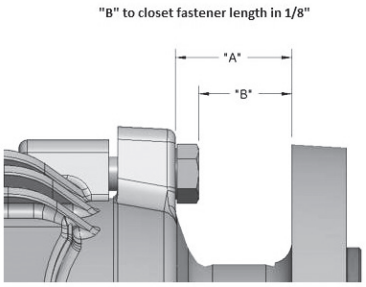
TCE, CE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
180	2063393	$267	DS-3TE	9"	40, IN
210	2060204	$342	DS-3TE	9"	40, IN
250	2059696	$475	DS-3TE	11"	40, IN
280	2046248	$542	DS-3TE	11"	IN
320	2080457	$667	DS-3TE	14"	IN
360	2080464	$908	DS-3TE	14"	IN
400	2080476	$1,250	DS-3TE	18"	IN, NC

CE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
400	2080477	$1,250	DS-3TE	18"	IN

Frame	"A"	"B"	Fastener
210	1.04	0.750	5/16
250	1.28	1.000	3/8
280	1.69	1.375	1/2
320	1.77	1.375	1/2
360	2.12	1.75	1/2
400	1.65	1.125	5/8
440	1.63	1.125	5/8



Depending on mounting configuration, a stud and nut may be required.

Note 40 Non-NEMA® "BA" Dimension
Note 41 Pulley End Bearing Clamp provision
Note IN Inpro Seal is not available
Note NC Not CE

World Motor Drip Cover and Vertical Lifting Kits

APPLICATIONS:

Provides protection to the motor in a vertical shaft down position or provides vertical lifting provisions for footed motors mounted in a vertical, shaft down, orientation.

Cast Iron, TEFC Motors

Frame	Catalog Number	List	Discount Symbol	Notes
140	2064246	$150	DS-3TE	
180	2064679	$250	DS-3TE	
210	2060433	$275	DS-3TE	
250,280	2059320	$333	DS-3TE	
320	2060742	$700	DS-3TE	
360	2064678	$1,133	DS-3TE	
400,440	2065879	$1,583	DS-3TE	

Vertical Lifting Kits

Frame	Catalog Number	List	Discount Symbol	Notes
180	2096007-000	$188	DS-3TE	CT
180	2096008-000	$188	DS-3TE	TC, CE
210	2095922-000	$196	DS-3TE	
250	2095925-000	$231	DS-3TE	
280	2095943-000	$265	DS-3TE	
320	2095946-000	$340	DS-3TE	
360	2095963-000	$375	DS-3TE	
400	2095967-000	$505	DS-3TE	
440	2095982-000	$634	DS-3TE	

World Motor Cast Iron Conversion Kits

APPLICATIONS:

For severe environments where all Cast Iron construction is required.

Cast Iron, C/B Kits

Frame	Catalog Number	List	Discount Symbol	Notes
140,180	2063435	$150	DS-3TE	
210	2060432	$193	DS-3TE	
250	2059783	$212	DS-3TE	
280	2059319	$233	DS-3TE	
320	2060741	$243	DS-3TE	
360,400	2061477	$343	DS-3TE	
440	2066398	$833	DS-3TE	

Cast Iron, Fan Cover Kits

Frame	Catalog Number	List	Discount Symbol	Notes
140	2064245	$125	DS-3TE	
180	2063434	$137	DS-3TE	
210	2060431	$212	DS-3TE	
250	2059782	$330	DS-3TE	
280	2059318	$400	DS-3TE	
320	2060740	$417	DS-3TE	
360	2061476	$755	DS-3TE	
400	2065878	$1,223	DS-3TE	
440	2066397	$1,355	DS-3TE	

Brake Kits

APPLICATIONS:

For UNIMOUNT® Motors in applications requiring quick stop and/or controlled hold.

UNIMOUNT®
Types UTE, UTF & UT

Frame	Rating (FT-LB)	Voltage at 60 Hz	Catalog Number	List	Discount Symbol	Notes
56-140	1.5	230/460	964220	$441	DS-BKT	
		575	964221	$441	DS-BKT	
56-140	3	115/230	964226	$510	DS-BKT	
		230/460	964223	$510	DS-BKT	
		575	964224	$510	DS-BKT	
56-140	6	125/250	958191	$691	DS-BKT	
		230/460	964225	$607	DS-BKT	
		575	964222	$607	DS-BKT	
56-140	10	230/460	964227	$984	DS-BKT	
		575	2110004	$984	DS-BKT	
180	10	125/250	964252	$1,017	DS-BKT	
		230/460	958195	$984	DS-BKT	
		575	958194	$984	DS-BKT	
180	15	230/460	958193	$1,086	DS-BKT	
		575	958192	$1,086	DS-BKT	
210	25	230/460	364963	$1,806	DS-BKT	46
		575	364966	$1,806	DS-BKT	46
210	35	230/460	364964	$2,055	DS-BKT	
		575	364967	$2,055	DS-BKT	46

All 230/460 Volt, 60 Hz Brakes are nameplated and designed for use on 190/380 Volt, 50 Hz rated at ft-lb per above.
All 125/250 Volt, 60 Hz Brakes are suitable for 160/220 Volt, 50 Hz at ft-lb per above.

Approved mounting positions are shown in the table below by "X".
For any other positions required, contact Customer Service and state position on order. Vertical mounting is defined as 15 degrees or more from horizontal.

Brake Rating Ft-Lb	Motor & Brake Horizontal Solenoid Position - Degrees From Vertical						Motor & Brake Vertical	
	0	0	0	0	0	0	Brake High	Brake Low
1.5, 3, 6	X	X	X	X	X	X	X	X
10, 15	X	X	X	X	X	X	X	X
25, 35	X							X

A Start/Stop cycle of no more than one stop per minute is acceptable for these brakes when used in conjunction with a motor and reducer. Contact Customer Service when shorter cycles are required or when used with high inertia applications, overhung loads or when not used with a reducer.

Note 46 25 and 35 ft-lb for horizontal mounting only

Terms & Conditions of Sale

Nidec Motor Corporation, referred to herein as the "Seller" and the customer or person or entity purchasing goods ("Goods") from Seller is referred to as the "Buyer." These Terms and Conditions, any price list or schedule, quotation, acknowledgment or invoice from Seller relevant to the sale of the Goods and all documents incorporated by specific reference herein or therein, constitute the complete and exclusive statement of the terms of the agreement governing the sale of Goods by Seller to Buyer. Seller's acceptance of Buyer's purchase order is expressly conditional on Buyer's assent to all of Seller's terms and conditions of sale, including terms and conditions that are different from or additional to the terms and conditions of Buyer's purchase order. Buyer's acceptance of or payment for the Goods will manifest Buyer's assent to these Terms and Conditions. Seller reserves the right in its sole discretion to refuse orders.

1. **PRICES:** Prices for Goods, whether specified in Seller's price list or schedule, acknowledgment or written quotation, are subject to change without notice. Such prices shall be adjusted to reflect Seller's prices for Goods as in effect at the time of requested shipment date, and each shipment will be invoiced at such prices. All prices are exclusive of taxes, transportation and insurance, which are to be borne by Buyer.

2. **TAXES:** Any current or future tax or governmental charge (or increase in same) affecting Seller's costs of production, sale, or delivery or shipment, or which Seller is otherwise required to pay or collect in connection with the sale, purchase, delivery, storage, processing, use or consumption of Goods, shall be for Buyer's account and shall be added to the price or billed to Buyer separately, at Seller's election.

3. **TERMS OF PAYMENT:** Unless otherwise specified by Seller, terms are net thirty (30) days from date of Seller's invoice in U.S. currency. Seller shall have the right, among other remedies, either to terminate this agreement or to suspend further performance under this and/or other agreements with Buyer in the event Buyer fails to make any payment when due, which other agreements Buyer and Seller hereby amend accordingly. Buyer shall be liable for all expenses, including attorneys' fees, relating to the collection of past due amounts. If any payment owed to Seller is not paid when due, it shall bear interest, at a rate to be determined by Seller, which shall not exceed the maximum rate permitted by law, from the date on which it is due until it is paid. Should Buyer's financial responsibility become unsatisfactory to Seller, cash payments or security satisfactory to Seller may be required by Seller for future deliveries and for the Goods theretofore delivered. If such cash payment or security is not provided, in addition to Seller's other rights and remedies, Seller may discontinue deliveries. Buyer hereby grants Seller a security interest in all Goods sold to Buyer by Seller, which security interest shall continue until all such Goods are fully paid for in cash, and Buyer, upon Seller's demand, will execute and deliver to Seller such instruments as Seller requests to protect and perfect such security interest.

4. **SHIPMENT AND DELIVERY:** While Seller will use all reasonable commercial efforts to maintain the delivery date(s) acknowledged or quoted by Seller, all shipping dates are approximate and not guaranteed. Seller reserves the right to make partial shipments. Seller, at its option, shall not be bound to tender delivery of any Goods for which Buyer has not provided shipping instructions and other required information. If the shipment of the Goods is postponed or delayed by Buyer for any reason, Buyer agrees to reimburse Seller for any and all storage costs and other additional expenses resulting therefrom. Risk of loss and legal title to the Goods shall transfer to Buyer for sales in which the end destination of the Goods is outside of the United States immediately after the Goods have passed beyond the territorial limits of the United States. For all other shipments, risk of loss for damage and responsibility shall pass from Seller to Buyer upon delivery to and receipt by carrier at Seller's shipping point. All shipments are F.O.B. Seller's shipping point. Any claims for shortages or damages suffered in transit are the responsibility of Buyer and shall be submitted by Buyer directly to the carrier. Shortages or damages must be identified and signed for at the time of delivery.

5. **LIMITED WARRANTY:** Subject to the limitations of Section 6, Seller warrants that the Goods manufactured by Seller, other than those specifically identified below, will be free from defects in material and workmanship and meet Seller's published specifications at the time of shipment under normal use and regular service and maintenance for a period of one year from the date of shipment of the Goods by Seller, unless otherwise specified by Seller in writing. Partial Motors of any kind not fully assembled by Seller shall carry no warranty of any kind, express or implied. Products purchased by Seller from a third party for resale to Buyer ("Resale Products") shall carry only the warranty extended by the original manufacturer. **THE WARRANTY SET FORTH IN THIS SECTION 5 AND THE WARRANTY SET FORTH IN SECTION 7, ARE THE SOLE AND EXCLUSIVE WARRANTIES GIVEN BY SELLER WITH RESPECT TO THE GOODS AND ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHETHER OR NOT THE PURPOSE OR USE HAS BEEN DISCLOSED TO SELLER IN SPECIFICATIONS, DRAWINGS OR OTHERWISE, AND WHETHER OR NOT SELLER'S PRODUCTS ARE SPECIFICALLY DESIGNED AND/OR MANUFACTURED BY SELLER FOR BUYER'S USE OR PURPOSE.**

This warranty does not extend to any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, negligence (other than Seller's), unauthorized modification or alteration, use beyond rated capacity, unsuitable power sources or environmental conditions, improper installation, repair, handling, maintenance or application or any other cause not the fault of Seller. To the extent that Buyer or its agents has supplied specifications, information, representation of operating conditions or other data to Seller in the selection or design of the Goods and the preparation of Seller's quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void.

If within thirty (30) days after Buyer's discovery of any warranty defects within the warranty period, Buyer notifies Seller thereof in writing, Seller shall, at its option and as Buyer's exclusive remedy, repair, correct or replace or refund the purchase price for, that portion of the Goods found by Seller to be defective. Failure by Buyer to give such written notice within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Seller shall have the right to require the Buyer to deliver the Goods to Seller's designated repair center or manufacturing facility. All costs associated with dismantling, reinstallation and transportation to and from Seller's designated repair center or manufacturing facility and the time and expense of Seller's personnel and representatives for site travel and diagnosis under this warranty shall be borne by the Buyer. Goods repaired or replaced during the warranty period shall be covered by the foregoing warranty for the remainder of the original warranty period or ninety (90) days from the date of shipment, whichever is longer. Buyer assumes all other responsibility for any loss, damage, or injury to persons or property arising out of, connected with, or resulting from the use of Goods, either alone or in combination with other products/components.

Section 5 applies to any entity or person who may buy, acquire or use the Goods, including any entity or person who obtains the Goods from Buyer, and shall be bound by the limitations therein, including Section 6. Buyer agrees to provide such subsequent transferee conspicuous, written notice of the provisions of Sections 5 and 6.

6. **LIMITATION OF REMEDY AND LIABILITY: THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY WARRANTY HEREUNDER (OTHER THAN THE WARRANTY PROVIDED UNDER SECTION 7) SHALL BE LIMITED TO REPAIR, CORRECTION OR REPLACEMENT, OR REFUND OF THE PURCHASE PRICE UNDER SECTION 5.**

SELLER SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND THE REMEDIES OF BUYER SET FORTH IN THIS AGREEMENT ARE EXCLUSIVE. IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXCEED THE PRICE PAID BY BUYER FOR THE SPECIFIC GOODS PROVIDED BY SELLER GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. BUYER AGREES THAT IN NO EVENT SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES. The term "consequential damages" shall include, but not be limited to, loss of anticipated profits, business interruption, loss of use, revenue, reputation and data, costs incurred, including without limitation, for capital, fuel, power and loss or damage to property or equipment.

It is expressly understood that any technical advice furnished by Seller with respect to the use of the Goods is given without charge, and Seller assumes no obligation or liability for the advice given, or results obtained, all such advice being given and accepted at Buyer's risk.

7. **PATENTS AND COPYRIGHTS:** Subject to the limitations of the second paragraph of Section 6, Seller warrants that the Goods sold, except as are made specifically for Buyer according to Buyer's specifications, do not infringe any valid U.S. patent or copyright in existence as of the date of shipment. This warranty is given upon the condition that Buyer promptly notifies Seller of any claim or suit involving Buyer in which such infringement is alleged and cooperates fully with Seller and permit Seller to control completely the defense, settlement or compromise of any such allegation of infringement. Seller's warranty as to use patents only applies to infringement arising solely out of the inherent operation according to Seller's specifications and instructions (i) of such Goods, or (ii) of any combination of Goods acquired from Seller in a system designed by Seller. In the event such Goods are held to infringe such a U.S. patent or copyright in such suit, and the use of such Goods is enjoined, or in the case of a compromise or settlement by Seller, Seller shall have the right, at its option and expense, to procure for Buyer the right to continue using such Goods, or replace them with non-infringing Goods, or modify same to become non-infringing, or grant Buyer a credit for the depreciated value of such Goods and accept return of them. In the event of the foregoing, Seller may also, at its option, cancel the agreement as to future deliveries of such Goods, without liability. No license or rights in any of Seller's intellectual property associated with the Goods is granted hereby.

8. **EXCUSE OF PERFORMANCE:** Seller shall not be liable for delays in performance or for non-performance due to acts of God; acts of Buyer; war; fire; flood; weather; sabotage; strikes or labor disputes; civil disturbances or riots; governmental requests, restrictions, allocations, laws, regulations, orders or actions; unavailability of or delays in transportation; default of suppliers; or unforeseen circumstances or any events or causes beyond Seller's reasonable control. Deliveries or other performance may be suspended for an appropriate period of time or canceled by Seller upon notice to Buyer in the event of any of the foregoing, but the balance of the agreement shall otherwise remain unaffected as a result of the foregoing.

If Seller determines that its ability to supply the total demand for the Goods, or to obtain material used directly or indirectly in the manufacture of the Goods, is hindered, limited or made impracticable due to causes set forth in the preceding paragraph, Seller may allocate its available supply of the Goods or such material (without obligation to acquire other supplies of any such Goods or material) among itself and its purchasers on such basis as Seller determines to be equitable without liability for any failure of performance which may result therefrom.

9. **CANCELLATION:** Buyer may cancel orders only upon reasonable advance written notice and upon payment to Seller of Seller's cancellation charges which include, among other things, all costs and expenses incurred, and, to cover commitments made, by the Seller and a reasonable profit thereon. Seller's determination of such termination charges shall be conclusive.

10. **CHANGES:** Buyer may request changes or additions to the Goods consistent with Seller's specifications and criteria. In the event such changes or additions are accepted by Seller, Seller may revise the price and dates of delivery. Seller reserves the right to change designs and specifications for the Goods without prior notice to Buyer, except with respect to Goods being made-to-order for Buyer. Seller shall have no obligation to install or make such change in any Goods manufactured prior to the date of such change.

11. **NUCLEAR/MEDICAL.** GOODS SOLD HEREUNDER ARE NOT FOR USE IN CONNECTION WITH ANY NUCLEAR, MEDICAL, LIFE-SUPPORT AND RELATED APPLICATIONS. Buyer accepts Goods with the foregoing understanding, agrees to communicate the same in writing to any subsequent purchasers or users and to defend, indemnify and hold harmless Seller from any claims, losses, suits, judgments and damages, including incidental and consequential damages, arising from such use, whether the cause of action be based in tort, contract or otherwise, including allegations that the Seller's liability is based on negligence or strict liability.

12. **ASSIGNMENT:** Buyer shall not assign its rights or delegate its duties hereunder or any interest herein without the prior written consent of Seller, and any such assignment, without such consent, shall be void.

13. **QUANTITY:** Buyer agrees to accept overruns of up to ten percent (10%) of the order on "made-to-order" goods, including parts. Any such additional items shall be priced at the price per item charged for the specific quantity ordered.

14. **REPLACEMENT / SERVICE GOODS:** Upon the cancellation or fulfillment of this order, Seller will have no obligation to sell and Buyer will have no obligation to purchase the Goods sold hereunder, including, but not limited to, the supply of replacement parts for Goods or Goods for Buyer's consumer service division. Seller is not obligated to sell Buyer or its consumer service divisions Goods: (i) for any fixed period of time after production of the Goods supplied hereunder ceases or after the last date of shipment made under this order: or (ii) at any pre-established price to fulfill Buyer's or its consumer service divisions requirements during or after production of the Goods ceases or after the last date of shipment under this order. Seller shall have the absolute right to revise the price of Goods and the terms of sale and to modify or discontinue the sale of the Goods, and such action shall not form the basis of any claim by Buyer against Seller.

15. **TOOLING:** Tool, die, and pattern charges, if any, are in addition to the price of the Goods and are due and payable upon completion of the tooling. All such tools, dies and patterns shall be and remain the property of Seller. Charges for tools, dies, and patterns do not convey to Buyer, title, ownership interest in, or rights to possession or removal, or prevent their use by Seller for other purchasers, except as otherwise expressly provided by Seller and Buyer in writing with reference to this provision.

16. **INSPECTION/TESTING:** Buyer, at its option and expense, may inspect and observe the testing by Seller of the Goods for compliance with Seller's standard test procedures prior to shipment, which inspection and testing shall be conducted at Seller's plant at such reasonable time as is specified by Seller. Any rejection of the Goods must be made promptly by Buyer before shipment. Tests shall be deemed to be satisfactorily completed and the test fully met when the Goods meet Seller's criteria for such procedures.

17. **DRAWINGS:** Seller's prints and drawings (including without limitation, the underlying technology) furnished by Seller to Buyer in connection with this agreement are the property of Seller and Seller retains all rights, including without limitation, exclusive rights of use, licensing and sale. Possession of such prints or drawings does not convey to Buyer any rights or license, and Buyer shall return all copies (in whatever medium) of such prints or drawings to Seller immediately upon request therefor.

18. **EXPORT/IMPORT:** Buyer agrees that all applicable import and export control laws, regulations, orders and requirements, including without limitation those of the United States and the European Union, and the jurisdictions in which the Seller and Buyer are established or from which Goods may be supplied, will apply to their receipt and use. In no event shall Buyer use, transfer, release, import, export, Goods in violation of such applicable laws, regulations, orders or requirements.

19. **GENERAL PROVISIONS:** These terms and conditions supersede all other communications, negotiations and prior oral or written statements regarding the subject matter of these terms and conditions. No change, modification, rescission, discharge, abandonment, or waiver of these terms and conditions shall be binding upon the Seller unless made in writing and signed on its behalf by a duly authorized representative of Seller. No conditions, usage of trade, course of dealing or performance, understanding or agreement purporting to modify, vary, explain, or supplement these terms and conditions shall be binding unless hereafter made in writing and signed by the party to be bound, and no modification or additional terms shall be applicable to this agreement by Seller's receipt, acknowledgment, or acceptance of purchase orders, shipping instruction forms, or other documentation containing terms at variance with or in addition to those set forth herein. Any such modifications or additional terms are specifically rejected and deemed a material alteration hereof. If this document shall be deemed an acceptance of a prior offer by Buyer, such acceptance is expressly conditional upon Buyer's assent to any additional or different terms set forth herein. No waiver by either party with respect to any breach or default or of any right or remedy, and no course of dealing, shall be deemed to constitute a continuing waiver of any other breach or default or of any other right or remedy, unless such waiver be expressed in writing and signed by the party to be bound. All typographical or clerical errors made by Seller in any quotation, acknowledgment or publication are subject to correction.

The validity, performance, and all other matters relating to the interpretation and effect of this agreement shall be governed by the law of the state of Missouri without regard to its conflicts of laws principles. Buyer and Seller agree that the proper venue for all actions arising in connection herewith shall be only in Missouri and the parties agree to submit to such jurisdiction. No action, regardless of form, arising out of transactions relating to this contract, may be brought by either party more than two (2) years after the cause of action has accrued. The U.N. Convention on Contracts for the International Sales of Goods shall not apply to this agreement.

Revised October 1, 2010

Motor Terminology Guide

Basic Considerations

It is important to select the motor that will help assure optimum performance of the appliance or equipment to be driven. To do this, a motor must be selected that is capable of starting the equipment, bringing it up to operating speed, and driving it at the necessary loading speed as long as required without excessive heating.

We suggest that motor specifications be considered in the following order:

Application. General purpose, condenser fan, belted fan, compressor, high pressure washer, etc.

Motor Type. Operating characteristics such as: capacitor start, capacitor start – capacitor run, split phase, permanent split capacitor, shaded pole and three phase.

Enclosure. The motor's housing type, such as: open, open drip-proof, totally enclosed fan cooled, totally enclosed non-ventilated, totally enclosed air over, etc.

Mounting. C-face, resilient base, rigid base, etc.

Bearings. Sleeve, ball (shields or seals).

Thermal Protection. Types of protection include automatic reset, manual reset, non-resettable, impedance protected and thermostat. Non-protected motors have no internal thermal protector and should not be used on applications that can start automatically or are out of sight of the operator.

Once these items are established, final specifications may be made for: horsepower, speed, voltage, NEMA frame size, service factor and full load amps.

Service Factor

This is a measure of the reserve margin built into a motor. It is expressed as a multiplier of the rated horsepower and determines permissible horsepower loading which may be carried continuously under normal environmental conditions. A motor operated at a service factor higher than 1.0 will have a higher temperature rise and may have different efficiency, power factor and speed than at the rated horsepower. Locked rotor torque and breakdown torque will remain unchanged.

Example: A motor operated at rated voltage and frequency, nameplate rating 1/4 HP, 1.35 service factor. 1/4 HP x 1.35 SF = .337 HP permissible loading if the ambient temperature does not exceed 40° C.

Insulation System Classification

The insulation system is made up of the electrical insulation materials used in the stator slot, wire coverings and supporting structural parts. It is classified for temperature rating purposes based on its thermal endurance. The classifications and their maximum temperatures for long service life are:

Class A	**105° C**
Class B	**130° C**
Class F	**155° C**
Class H	**180° C**

To determine the insulation class needed, add the maximum ambient temperature and the maximum temperature rise of the winding of the motor in the application.

Electric Motor Terminology

Ambient (Amb). The temperature of the space around the motor. Most motors are designed to operate in an ambient not over 40°C (104°F).

Note: A rating of 40°C Ambient is not the same as a rating of 40°C Rise, see "Temperature Rise."

Bearings (BRGS). Basic types include:

- **Self Aligning Bearing (SAB).** Preferred where low noise level is important, as on fan and blower motors. Unless otherwise stated, self aligning bearing motors listed can be mounted in any position, including shaft-up or shaft-down.
- **Ball.** Used where higher load capacity, either axial or radial, is required or where the shaft speed is lower than 500 RPM. Shields, metal rings with close running clearance on one side (single-shielded) or both sides (double-shielded) of bearing, and seals, which are similar except with rubber lips that press against inner race, more effectively excluding dirt, etc., are two barriers used to keep out dirt.

Efficiency. The ratio of output power divided by input power, usually expressed as a percentage. A measure of how well the electrical energy input to a motor is converted into mechanical energy at the output shaft. The higher the efficiency, the better the conversion process.

Motor Terminology Guide

Enclosure (Encl). The motor's housing. Types:

- **Open.** Ventilation openings in the shell and/or end shields which permit passage of external air over and around the windings of the motor. Used indoors, in fairly clean locations.
- **Open Air Over (OAO).** Motors intended for fan and blower service. Must be located in the air stream to provide motor cooling.
- **Open Drip-Proof (ODP).** Ventilation openings in end shields and shell placed so drops of liquid falling within an angle of 15° from vertical will not touch the windings.
- **Totally Enclosed (TE).** No ventilation openings in motor housing (but not airtight). Used in locations which are dirty, damp, oily, etc. Includes:
  - **Totally Enclosed, Fan-Cooled (TEFC).** Includes an external fan, in a protective shroud, to blow cooling air over the motor frame.
  - **Totally Enclosed, Non-Ventilated (TENV).** Depends on convection air for cooling.
  - **Totally Enclosed, Air Over (TEAO).** Depends on air flow from driven device for motor cooling. To avoid overheating, these motors must not be used in applications where there is no air over.
- **Hazardous Location.** A totally enclosed motor designed to withstand internal explosion of specified gases or vapors, and not allow the internal flame or explosion to escape.

Full-Load Amps (F/L Amps). Line current drawn by a motor when operating at rated load and voltage. Shown on motor nameplate along with service factor amps if other than 1.0. Important for proper wire size selection and motor starter heater and overcurrent protector selection.

Frame. Usually refers to the NEMA system of standardized motor mounting dimensions, which facilitates replacement.

Hertz (Hz). Frequency, in cycles per second, of AC power; usually 60 Hz in USA, 50 Hz overseas.

Horsepower (HP). The unit of output power usually applied to electric motors in North America. One horsepower is equivalent to 746 watts. Motor output power can also be rated in terms of watts. A 9 watt motor is 0.012 or 1/80 horsepower.

Motor Speeds

- **Synchronous.** The theoretical maximum speed at which an induction-type motor can operate. Synchronous speed is determined by the power line frequency and motor design (number of poles), and can be calculated using the formula:

  $$\text{RPM} = \frac{\text{Frequency in Hz} \times 120}{\text{No. of poles}}$$

- **Full-load.** The nominal speed at which an induction motor operates under rated input and load conditions. This will always be less than the synchronous speed and will vary depending on the rating and characteristics of the particular motor. For example, four pole 60 Hz fractional horsepower motors have a synchronous speed of 1800 RPM, a nominal full load speed (as shown on the nameplate) of 1725 RPM, and an actual full load speed typically ranging from 1715 to 1735 RPM.

Motor Types. Except where noted all types require single phase AC power.

- **Shaded pole.** Low starting torque, low cost. Usually used in direct drive fans and blowers, and in small pumps.
- **Permanent split capacitor (PSC).** Performance and applications similar to shaded pole but more efficient, with lower line current and higher horsepower capabilities.
- **Split phase start-induction run (or simply split phase).** Moderate starting torque, high breakdown torque, high starting current. Used on easy-starting equipment, such as belt driven fans and blowers, grinders, centrifugal pumps, gear motors, etc.
- **Split phase start-capacitor run.** Performance and applications similar to split phase start-induction run, except have higher efficiency.
- **Capacitor start-induction run (or simply capacitor start or capacitor).** High starting and breakdown torque, medium starting current. Used on hard starting applications; compressors, positive displacement pumps, farm equipment, etc.
- **Capacitor start-capacitor run (two-value).** Performance and applications similar to capacitor start-induction-run, except have higher efficiency. Generally used in higher single phase HP ratings.
- **Three Phase.** Operate on three phase power only. High starting and breakdown torque, high efficiency, medium starting current, no starting switch or auxiliary winding, simple, rugged design, long life. For all types of industrial uses.

- **Direct Current (DC).** Usable only if DC power supply is available. Commonly used on adjustable-speed applications.

Mounting (MTG)

- **Rigid.** Motor solidly fastened to equipment through metal base that is bolted or welded to motor shell, or mounted to end shield hubs without resilient rings (see “flange” below).
- **Resilient (Res).** Sometimes called rubber or hub mounted - motor shell isolated from base by vibration absorbing material, such as rubber rings on the end shields, to reduce transmission of vibration to the housing of the unit or appliance.
- **Face or flange.** Shaft end, end cover has a flat mounting surface, machined to NEMA standard dimensions with holes to allow easy, secure mounting to the housing of the unit or appliance. Commonly used on jet pumps, oil burners and gear reducers.
- **Stud.** Motor has bolts extending from front or rear, by which it is mounted. Often used on small, direct drive fans and blowers.
- **Yoke.** Tabs or ears are welded to motor shell, to allow bolting to a fan column or bracket. Used on fan-duty motors.

Power. The energy used to do work. Also the rate at which work is done. Measured in watts, horsepower, etc.

Power Factor. The ratio of real power (watts) supplied divided by apparent power supplied (volt-amperes). A measure of how well power transmission or distribution systems are being used. Do not confuse power factor with efficiency.

RPM. Rotational speed in revolutions per minute.

Rotation (Rot). Direction in which shaft rotates: CW means clockwise; CCW means counterclockwise; Rev means reversible. Rotation is usually referenced from the lead end (LE) of the motor.

Service Factor (SF). A measure of the reserve margin built into a motor. Motors rated greater than 1.0 SF have more than normal margin, and are used where unusual conditions such as occasional high or low voltage, momentary overloads, etc. are likely to occur. Used in “heavy duty” applications.

Temperature Rise. The amount by which a motor, operating under rated conditions, is hotter than its surroundings. The temperature rise rating on the motor nameplate has been replaced by a listing of maximum ambient temperature, insulation class and service factor. See “Insulation.”

Thermal Protector. A temperature or current sensing device usually integral within the motor, that disconnects the motor winding from its power source to prevent overheating due to overload or failure to start. Basic types of thermal protectors include:

- **Automatic Reset (Auto).** After motor cools, protector automatically restores power. Should not be used where unexpected restarting would be hazardous.
- **Manual Reset (Man).** An external button must be pushed to restore power to motor. Preferred where unexpected restarting would be hazardous, as on saws, conveyors, compressors, etc.
- **Impedance Protected.** Motor is designed with sufficiently high inherent impedance to prevent overheating under any condition of load, including locked rotor (stalled).
- **Non-resettable (one shot).** When motor heats up the protector contacts open, but cannot be reclosed. This type of protector is used primarily in unattended fans where a stalled condition is usually not detected.

Thermostat. Employs a built-in temperature sensing device, with external leads, which must be properly connected to the control circuit of the motor controller to limit the frame or winding temperature as required by U.L., the N.E.C., C.S.A. or the C.E.C.

Torque. Twist, or turning ability, supplied by the shaft. Measured in foot-pounds (ft-lbs), inch-pounds (in-lbs), ounce-feet (oz-ft) or ounce-inches (oz-in). Three torque values are important.

- **Locked rotor or starting torque.** The torque produced at initial start.
- **Breakdown torque.** The maximum torque a running motor will produce, without stalling.
- **Pull-up torque.** The minimum torque available during the acceleration period.

Voltage. Force pushing electric current through a circuit, like pressure in a water system.

Motor Selection Guide Instructions

How to Use this Selection Guide:

1. Measure the diameter of the motor if not known.
2. Check the RPM of the motors; (7200 divided by the number of poles or coil windings for 60 Hz Applications)
   - 2 Poles = 3000 to 3600 RPM
   - 4 Poles = 1500 to 1725 RPM
   - 6 Poles = 1050 to 1140 RPM
   - 8 Poles = 800 to 850 RPM
3. Measure the length of the stack of the stator to determine horsepower. (Disassemble motor for this or measure between the dimples on the exterior of the shell)
4. Look in the tables and find the motor diameter you need for the replacement.
5. Find in the section that matches the voltage you need.
6. Look down the RPM column and find the motors that match the required speed.
7. Find the motors that have the same or greater stack (or HP or Amps if known).
8. Then pick the group that is the right electrical type Shaded Pole or PSC. PSC can replace a Shaded Pole, but usually with 1/2" less stack. A shaded pole cannot replace a PSC. All other motors should be replaced by the exact electrical type.
9. Match up the application and enclosure you need. (Do not use an open motor to replace an enclosed motor.) This will point you to the catalog motor number(s) that may fit your application and the page of the catalog where to find the details on the motor(s). Turn to the catalog page and check the detailed rating data and mechanical features to assure the proper selection.

Abbreviations:

Shaft	
DBL	Double Shaft

Enclosure	
ODP	Open Drip-Proof
OAO	Open Air Over
ODPAO	Open Drip-Proof, Air Over
OFC	Open Fan Cooled
TEAO	Totally Enclosed, Air Over
TEFC	Totally Enclosed, Fan Cooled
TENV	Totally Enclosed, Non-Ventilated

Motor Type	
Cap St	Capacitor Start
CS/CR	Capacitor Start/Capacitor Run
PSC	Permanent Split Capacitor
Shd Pl	Shaded Pole
Spl Phs	Split Phase
Spl/Cr	Split Phase/Capacitor Run
3Phs	Three Phase

Motor Selection Guide
3.3" Diameter

115 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1550	2W	0.2	0.500	1	0.250	Shd Pl	Unit Bearing	TEAO	2102
4	1550	4W	0.5	0.500	1	0.250	Shd Pl	Unit Bearing	TEAO	2103
4	1550	4W	0.5	0.500	1	0.250	Shd Pl	Unit Bearing	TEAO	2115
4	1550	5W	0.6	0.500	1	0.250	Shd Pl	Unit Bearing	TEAO	2119
4	1550	5W	0.6	0.500	1	0.250	Shd Pl	Unit Bearing	TEAO	2120
4	1550	6W	0.6	0.750	1	0.250	Shd Pl	Unit Bearing	TEAO	2116
4	1550	6W	0.6	0.750	1	0.250	Shd Pl	Unit Bearing	TEAO	2117
4	1550	9W	0.8	0.750	1	0.250	Shd Pl	Unit Bearing	TEAO	2118
4	1550	9W	0.8	0.750	1	0.250	Shd Pl	Unit Bearing	TEAO	2108
4	1550	16W	1.1	1.250	1	0.250	Shd Pl	Unit Bearing	TEAO	2111
4	1550	16W	1.1	1.250	1	0.250	Shd Pl	Unit Bearing	TEAO	2112

208-230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1550	9W	0.4	0.750	1	0.250	Shd Pl	Unit Bearing	TEAO	2109
4	1550	9W	0.4	0.750	1	0.250	Shd Pl	Unit Bearing	TEAO	2110
4	1550	16W	0.6	1.250	1	0.250	Shd Pl	Unit Bearing	TEAO	2113
4	1550	16W	0.6	1.250	1	0.250	Shd Pl	Unit Bearing	TEAO	2114

Motor Selection Guide
5.0" Diameter

115 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1550	1/8	1.8	0.750	3	0.500-DBL	PSC	Room A/C	OAO	3996
4	1550	1/6	2.3	1.000	2	0.500-DBL	PSC	Room A/C	OAO	1238
4	1625	1/10	1.2	1.250	3	0.500	PSC	Direct Drive Fan/Blower	OAO	8956
4	1550	1/10	5.2	1.500	1	0.500	Shd Pl	Condenser Fan	ODPAO	721P
4	1550	1/6	5.4	1.500	1	0.500	Shd Pl	Condenser Fan	ODPAO	722P
4	1550	1/10	3.8	1.750	3	0.500-DBL	Shd Pl	Room A/C	OAO	2817
6	1075	1/30	0.5	0.750	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1374
6	1100	1/20	0.6	0.750	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1676
6	1100	1/15	0.8	1.000	3	0.500-DBL	PSC	Direct Drive Fan/Blower	OAO	1090
6	1050	1/15	2.8	1.000	1	0.375	Shd Pl	Direct Drive Fan/Blower	OAO	1334
6	1050	1/15	2.8	1.000	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1335
6	1050	1/15	3.0	1.000	2	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1333
6	1050	1/15	2.6	1.500	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1342
6	1050	1/10	4.8	1.500	2	0.500-DBL	Shd Pl	Room A/C	OAO	2819
6	1050	1/10	3.7	1.500	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1336
6	1050	1/6	5.2	1.500	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	2166
6	1075	1/5	3.5	1.500	4	0.500	PSC	Direct Drive Fan/Blower	OAO	1268
6	1050	1/8	7.3	1.750	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1337
6	1050	1/4	3.7	1.750	3	0.500	PSC	Direct Drive Fan/Blower	ODPAO	1390
6	1050	1/10	4.8	1.750	4	0.500-DBL	Shd Pl	Room A/C	OAO	2818
6	1050	1/10	4.8	1.750	5	0.500-DBL	PSC	Room A/C	OAO	2827P
6	1050	1/5	7.1	2.000	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1340
6	1050	1/5	7.3	2.000	3	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1338P
6	1050	1/6	6.0	2.000	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1127P
6	1050	1/4	8.9	2.00	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1341

115/208-230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1550	11/5	2.8/1.4	0.750	1	0.375	PSC	GE 21 frame repl.	ODPAO	1469P
4	1550	1/20	2.2/1.1	0.750	1	0.375	PSC	GE 21 frame repl.	ODPAO	1468P
4	1550	1/10	3.8/1.9	1.000	1	0.375	PSC	GE 21 frame repl.	ODPAO	1470P
6	1050	1/10	3.8/1.9	1.250	1	0.375	PSC	GE 21 frame repl.	ODPAO	1471P

208-230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1550	1/8	1.1	0.750	1	0.500	PSC	Condenser Fan	TEAO	1176
6	1050	1/5	3.9	2.000	3	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1339

Motor Selection Guide
5.0" Diameter

230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1500	1/20	1.1	1.000	1	0.375	PSC	Condenser Fan	ODPAO	1775P
4	1500	1/15	1.9	1.250	1	0.375	PSC	Condenser Fan	ODPAO	1779P
4	1550	1/10	2.6	1.000	1	0.500	Shd Pl	Condenser Fan	ODPAO	721P
4	1550	1/8	0.8	1.000	1	0.500	PSC	Condenser Fan	OAO	1675
4	1625	1/4	1.4	1.000	1	0.500	PSC	Condenser Fan	ODP	3042
4	1625	1/4	1.9	1.000	1	0.500	PSC	Condenser Fan	ODP	8330
4	1550	1/20	1.3	1.500	1	0.500	PSC	Condenser Fan	OAO	1989P
4	1550	1/6	2.7	1.500	1	0.500	Shd Pl	Condenser Fan	ODPAO	722P
4	1550	1/6	2.8	2.000	1	0.500	Shd Pl	Condenser Fan	OAO	1527
4	1550	1/4	3.4	2.000	3	0.500 - DBL	Shd Pl	Room A/C	OAO	1221P
6	1075	1/6	1.0	1.250	1	0.500	PSC	Condenser Fan	TEAO	1901
6	1075	1/20	0.5	1.250	3	0.500	PSC	Direct Drive Fan/Blower	OAO	3034
6	1075	1/5	1.3	1.500	1	0.500	PSC	Room A/C	ODPAO	1124
6	1050	1/10	2.0	1.500	2	0.500-DBL	Shd Pl	Room A/C	OAO	2820
6	1050	1/4	1.5	1.750	3	0.500	PSC	Direct Drive Fan/Blower	ODPAO	1391
6	1050	1/6	2.9	2.000	1	0.500	Shd Pl	Direct Drive Fan/Blower	OAO	1631

277 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
8	850	1/6	0.5	1.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1678

380-420/460 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1625	1/4	.95	1.000	1	0.5000	PSC	Condenser Fan	ODP	8331

Motor Selection Guide
5.6" Diameter

115 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
2	3450	1/7	2.0	0.750	1	0.500	Spl Phs	Oil Burner	TENV	5866
2	3450	1/8	2.4	0.750	1	0.500	Spl Phs	Oil Burner	TENV	2097
2	3450	1/7	2.4	1.000	1	0.500	Spl Phs	Oil Burner	TENV	3083
2	3450	1/3	4.8	1.500	1	0.500	Spl Phs	Oil Burner	TENV	2319
2	3450	1/2	8.6/4.3	1.500	1	0.500	CS/CR	Belted Fan/Blower	ODP	298
2	3450	1/4	3.7	2.000	1	0.500	Spl Phs	Oil Burner	TENV	2302
4	1725	1/4	5.3	1.250	1	0.500	Spl Phs	Belted Fan/Blower	ODP	8000
4	1725	1/4	4.6	1.250	1	0.625	Spl Phs	Carbonator Pump	ODP	1004
4	1725	1/6	3.1	1.250	1	0.500	Spl Phs	Oil Burner	TENV	3252
4	1725	1/6	3.5	1.250	1	0.500	Spl Phs	Hot Water Circ Pump	ODP	2777
4	1725	1/6	3.5	1.250	1	0.500	Spl Phs	Hot Water Circ Pump	ODP	2762
4	1725	1/8	2.4	1.250	1	0.500	Spl Phs	Oil Burner	TENV	3196
4	1625	1/4	2.7	1.250	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1690
4	1725	1/3	6.7	1.500	1	0.500	Spl Phs	Belted Fan/Blower	ODP	8100
4	1725	1/3	6.0	1.500	1	0.625	Spl Phs	Carbonator Pump	ODP	1003
4	1725	1/4	4.4	1.500	1	0.500	Spl Phs	Belted Fan/Blower	ODP	840CV
4	1725	1/4	4.4	1.500	1	0.500	Spl Phs	Belted Fan/Blower	ODP	2889
4	1625	1/3	3.7	1.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1692
4	1725	1/2	8.7	2.000	1	0.500	Spl Phs	Belted Fan/Blower	ODP	8200
4	1725	1/3	5.6	2.000	1	0.500	Spl Phs	Belted Fan/Blower	ODP	841CV
4	1725	1/3	5.4	2.000	1	0.500	Spl Phs	Belted Fan/Blower	ODP	2888
4	1725	1/2	7.8	2.250	1	0.500	Spl Phs	Belted Fan/Blower	ODP	1542C
4	1725	1/2	7.8	2.250	1	0.500	Spl Phs	Belted Fan/Blower	ODP	2887
4	1725	1/3	5.8	2.250	2	0.500	Spl Phs	Belted Fan/Blower	ODP	1786
4	1725	1/3	7.1	2.250	2	0.500	Spl Phs	General Purpose	ODP	3053
4	1625	1/2	5.5	2.250	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1694
4	1625	3/4	8.6	2.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1696
6	1075	1/6	2.6	1.000	1	0.500	PSC	Unit Heater Fan	TEAO	9034
6	1075	1/6	3.0	1.000	3	0.500 - DBL	PSC	Room A/C	ODPAO	1216
6	1075	1/8	1.8	1.000	3	0.500 - DBL	PSC	Room A/C	TEAO	8523
6	1075	1/6	2.4	1.250	2	0.500	PSC	Unit Heater Fan	TEAO	4856
6	1075	1/4	3.5	1.250	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1863
6	1075	1/3	5.2	1.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1864
6	1075	1/3	5.1	1.750	1	0.500	PSC	Unit Heater Fan	TEAO	9036
6	1075	1/4	3.6	1.750	1	0.500	PSC	Unit Heater Fan	TEAO	9035
6	1075	1/2	6.8	1.750	3	0.500	PSC	Direct Drive Fan/Blower	OAO	5451
6	1075	1/3	7.0	1.750	3	0.500	PSC	Direct Drive Fan/Blower	OAO	591
6	1075	1/2	7.3	1.750	4	0.500	PSC	Direct Drive Fan/Blower	OAO	5460

Motor Selection Guide
5.6" Diameter *(continued)*

115 Volts *(continued)*

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	1075	1/3	5.3	2.000	4	0.500	PSC	Direct Drive Fan/Blower	OAO	1410
6	1075	3/4	11.7	2.250	4	0.500	PSC	Direct Drive Fan/Blower	OAO	3340
6	1075	1/2	6.5	2.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1865
6	1075	3/4	9.5	2.500	3	0.500	PSC	Direct Drive Blower	OAO	8904
6	1075	3/4	10.6	2.750	4	0.500	PSC	Direct Drive Fan/Blower	OAO	5463
6	1075	1	12.1	3.000	3	0.500	PSC	Direct Drive Fan/Blower	OAO	8906
6	900	3/4	11.9	3.500	4	0.500	PSC	Direct Drive Fan/Blower	OAO	1125
8	825	1/3	4.5	1.750	1	0.500	PSC	Condenser Fan	ODPAO	2342
8	850	1/6	4.5	1.750	1	0.500	Cap St	General Purpose	ODP	3700

115/208-230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
2	3450	1/2	8.6/4.3	1.500	1	0.500	CS/CR	Belted Fan/Blower	ODP	298
2	3450	3/4	9.2	2.000	1	0.500	CS/CR	Belted Fan/Blower	ODP	430
2	3450	1	11.6/5.8	2.500	1	0.625	CS/CR	Belted Fan/Blower	ODP	431
4	1725	1/4	4.4/2.2	1.250	1	0.625	Spl Phs	Carbonator Pump	ODP	6001
4	1725	1/2	7.5/3.6	2.000	1	0.625	Spl Phs	Carbonator Pump	ODP	6078
4	1725	1/3	6.2/3.1	2.000	1	0.625	Spl Phs	Carbonator Pump	ODP	6079
4	1725	1/3	6.0/3.0	2.000	1	0.500	Cap St	Belted Fan/Blower	ODP	180
4	1725	1/2	7.8/3.9	2.250	1	0.500	Spl Phs	Belted Fan/Blower	ODP	2695

200 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	1080	1	5.9	3.000	1	0.625	PSC	Condenser Fan	ODPAP	8068

Motor Selection Guide
5.6" Diameter *(continued)*

208-230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1500	1/6	0.8	0.750	1	0.500	PSC	Condenser Fan	TEAO	3405
4	1550	1/6	1.1	0.750	1	0.500	PSC	Condenser Fan	TEAO	6128
4	1550	1/6	1.4	1.000	1	0.500	PSC	Condenser Fan	ODPAO	1645
4	1625	1/4	1.4	1.250	1	0.500	PSC	Condenser Fan	TEAO	1890
4	1625	1/3	1.9	1.250	1	0.500	PSC	Condenser Fan	TEAO	1891
4	1725	1/4	2.3	1.250	1	0.625	Spl Phs	Carbonator Pump	ODP	1004H
4	1625	1/4	1.6	1.250	3	0.500 - DBL	PSC	Room A/C	ODPAO	8725
4	1550	1/4	2.1	1.500	1	0.500	PSC	Condenser Fan	ODPAO	6124
4	1625	1/4	1.5	1.500	1	0.500	PSC	Condenser Fan	TEAO	6129
4	1725	1/2	2.7	1.500	1	0.500	PSC	Condenser Fan	ODP	644
4	1625	1/3	2.1	1.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1693
4	1625	1/3	2.2	1.500	3	0.500 - DBL	PSC	Room A/C	ODPAO	1887
4	1625	1/3	1.9	1.500	3	0.500 - DBL	PSC	Room A/C	ODPAO	8726
4	1625	1/3	1.8	1.750	1	0.500	PSC	Condenser Fan	ODPAO	4961
4	1625	1/3	2.9	1.750	1	0.500	PSC	Condenser Fan	ODPAO	7232
4	1625	1/3	1.8	1.750	1	0.500	PSC	Condenser Fan	AO	4811
4	1625	1/3	2.4	1.750	1	0.500	PSC	Condenser Fan	TEAO	6127
4	1625	1/2	3.0	2.000	1	0.500	PSC	Condenser Fan	TEAO	1892
4	1725	1/3	2.9	2.250	2	0.500	Spl Phs	Belted Fan/Blower	ODP	1789
4	1625	1/2	3.0	2.250	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1695
4	1625	3/4	5.2	2.500	1	0.500 - DBL	PSC	Room A/C	ODPAO	8231
4	1625	3/4	4.0	2.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1697
6	1075	1/8	1.0	0.750	1	0.500	PSC	Condenser Fan	ODPAO	3484
6	1100	1/10	0.8	0.750	1	0.500	PSC	Condenser Fan	TEAO	3402
6	1100	1/12	0.6	0.750	1	0.500	PSC	Condenser Fan	TEAO	3401
6	1200	1/12	0.6	0.750	2	0.500	PSC	Condenser Fan	TEAO	3033
6	1050	1/15	0.5	0.875	1	0.500	PSC	Condenser Fan	TEAO	5459
6	1075	1/4	1.7	1.000	1	0.500	PSC	Condenser Fan	ODPAO	3851
6	1075	1/4	1.6	1.000	1	0.500	PSC	Condenser Fan	ODPAO	8230
6	1075	1/5	1.3	1.000	1	0.500	PSC	Condenser Fan	TEAO	5450
6	1075	1/5	1.7	1.000	1	0.500	PSC	Condenser Fan	TEAO	5454
6	1075	1/6	1.3	1.000	1	0.500	PSC	Condenser Fan	ODPAO	5461
6	1075	1/6	1.0	1.000	1	0.500	PSC	Condenser Fan	TEAO	1859
6	1075	1/5	1.4	1.000	3	0.500 - DBL	PSC	Room A/C	OAO	1152
6	1075	1/6	1.5	1.000	3	0.500 - DBL	PSC	Room A/C	ODPAO	3133
6	1100	1/4	1.5	1.125	1	0.500	PSC	Condenser Fan	TEAO	3403
6	1075	1/3	2.0	1.250	1	0.500	PSC	Condenser Fan	TEAO	5455

Motor Selection Guide
5.6" Diameter *(continued)*

208-230 Volts *(continued)*

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	1075	1/4	1.5	1.250	1	0.500	PSC	Condenser Fan	TEAO	1876
6	1075	1/4	1.5	1.250	1	0.500	PSC	Condenser Fan	TEAO	1860
6	1100	1/4	1.7	1.250	1	0.500	PSC	Condenser Fan	TEAO	3404
6	1075	1/4	1.9	1.250	3	0.500 - DBL	PSC	Room A/C	ODPAO	3134
6	1075	1/4	1.5	1.250	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1971
6	1075	1/3	2.2	1.500	1	0.500	PSC	Condenser Fan	ODPAO	6880
6	1075	1/4	1.9	1.500	1	0.500	PSC	Condenser Fan	ODPAO	3846
6	1075	1/5	2.0	1.500	1	0.500	PSC	Condenser Fan	ODPAO	1648
6	1075	1/3	1.9	1.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1972
6	1075	1/3	2.3	1.500	3	0.500 - DBL	PSC	Room A/C	TEAO	5108
6	1100	1/2	2.0	1.625	3	0.500 - DBL	PSC	Room A/C	TEAO	8683
6	1075	1/3	2.0	1.750	1	0.500	PSC	Condenser Fan	TEAO	1877
6	1075	1/3	3.0	1.750	1	0.500	PSC	Condenser Fan	ODPAO	9993
6	1075	1/3	2.0	1.750	1	0.500	PSC	Condenser Fan	TEAO	1861
6	1075	1/3	2.5	1.750	3	0.500 - DBL	PSC	Room A/C	ODPAO	1213
6	1075	1/3	2.5	1.750	3	0.500 - DBL	PSC	Room A/C	ODPAO	3135
6	1075	1/3	1.9	1.750	3	0.500 - DBL	PSC	Room A/C	TEAO	8558
6	1075	1/2	3.6	1.750	4	0.500	PSC	Direct Drive Fan/Blower	OAO	5461
6	1075	1/2	3.1	2.000	1	0.500	PSC	Condenser Fan	ODPAO	3852
6	1075	1/2	2.4	2.000	1	0.500 - DBL	PSC	Room A/C	TEAO	2554
6	1075	1/3	2.2	2.000	1	0.500	PSC	Condenser Fan	ODPAO	3847
6	1075	1/3	2.2	2.000	1	0.500	PSC	Condenser Fan	ODPAO	4960
6	1075	1/3	2.2	2.000	2	0.500	PSC	Condenser Fan	TEAO	8670
6	1075	1/2	2.9	2.000	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1973
6	1075	1/2	2.9	2.250	1	0.500	PSC	Condenser Fan	TEAO	1878
6	1075	1/2	3.1	2.250	1	0.500	PSC	Condenser Fan	ODPAO	1444
6	1075	1/2	3.1	2.250	1	0.500	PSC	Condenser Fan	ODPAO	3848
6	1075	1/2	3.1	2.250	1	0.500	PSC	Condenser Fan	ODPAO	7025
6	1075	1/2	2.9	2.250	1	0.500	PSC	Condenser Fan	TEAO	1862
6	1075	1/2	4.5	2.250	3	0.500 - DBL	PSC	Room A/C	ODPAO	1824
6	1075	1/2	4.5	2.250	3	0.500 - DBL	PSC	Room A/C	ODPAO	3136
6	1075	1/2	3.1	2.500	1	0.500	PSC	Condenser Fan	TEAO	3330
6	1075	3/4	4.8	2.500	1	0.500	PSC	Condenser Fan	ODPAO	3097
6	1075	3/4	4.4	2.500	1	0.500	PSC	Condenser Fan	ODPAO	8665
6	1075	3/4	4.0	2.500	3	0.500	PSC	Direct Drive Blower	OAO	8905
6	1075	3/4	4.5	3.000	1	0.500	PSC	Condenser Fan	TEAO	1868

Motor Selection Guide
5.6" Diameter *(continued)*

208-230 Volts *(continued)*

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	1075	1/2	2.9	3.000	2	0.500	PSC	Condenser Fan	TEAO	8671
6	1075	3/4	4.7	3.000	2	0.500	PSC	Condenser Fan	TEAO	1879
6	1075	1	5.6	3.000	3	0.500	PSC	Direct Drive Fan/Blower	OAO	8907
6	1100	1	6.0	3.000	4	0.625	PSC	Direct Drive Fan/Blower	OAO	4670
6	1075	1/2	3.8	3.500	1	0.500	PSC	Condenser Fan	TEAO	8868
6	1075	1	5.2	3.500	1	0.500	PSC	Condenser Fan	ODPAO	1888
8	825	1/10	1.0	1.000	1	0.500	PSC	Condenser Fan	TEAO	1871
8	825	1/8	1.2	1.000	1	0.500	PSC	Condenser Fan	TEAO	5456
8	825	1/6	1.9	1.000	3	0.500	PSC	Direct Drive Fan/Blower	OAO	8052
8	825	1/8	0.8	1.250	1	0.500	PSC	Condenser Fan	TEAO	1872
8	825	1/6	1.0	1.250	1	0.500	PSC	Condenser Fan	TEAO	1873
8	825	1/8	1.1	1.250	1	0.500	PSC	Condenser Fan	TEAO	9735
8	825	1/6	1.2	1.375	1	0.500	PSC	Condenser Fan	TEAO	5457
8	825	1/4	2.0	1.500	1	0.500	PSC	Condenser Fan	TEAO	1874
8	825	1/6	1.0	1.500	2	0.500	PSC	Condenser Fan	TEAO	8673
8	825	1/4	1.9	1.750	1	0.500	PSC	Condenser Fan	OAO	8666
8	825	1/4	2.0	1.750	2	0.500	PSC	Condenser Fan	TEAO	8674
8	850	1/4	1.5	1.750	1	0.500	PSC	Condenser Fan	TEAO	1743
8	840	1/4	1.4	1.750	1	0.500	PSC	Condenser Fan	TEAO	1123
8	825	1/3	2.8	1.750	2	0.500	PSC	Direct Drive Fan/Blower	OAO	5469
8	825	1/3	3.0	2.000	1	0.500	PSC	Direct Drive Fan/Blower	OAO	6873
8	825	1/3	2.0	2.250	1	0.500	PSC	Condenser Fan	OAO	8667
8	825	1/3	3.0	2.250	1	0.500	PSC	Condenser Fan	ODPAO	5345
8	825	1/3	2.6	2.250	1	0.500	PSC	Condenser Fan	ODPAO	7040
8	825	1/3	1.8	2.250	1	0.500	PSC	Condenser Fan	TEAO	1875
8	825	1/3	2.0	2.500	2	0.500	PSC	Condenser Fan	TEAO	8675
8	825	1/2	2.8	3.000	1	0.500	PSC	Condenser Fan	TEAO	1870
8	825	1/2	2.8	3.000	1	0.500	PSC	Condenser Fan	ODPAO	7041

Motor Selection Guide
5.6" Diameter *(continued)*

208-230/460 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	1075	1/3	2.4/1.2	2.000	1	0.500	PSC	Comm Cond Fan	TEAO	6727
6	1075	1/2	2.8/1.4	2.500	1	0.500	PSC	Comm Cond Fan	TEAO	7475
6	1075	1/2	3.2/1.6	2.500	1	0.500	PSC	Condenser Fan	TEAO	2201
6	1140	1	3.5/1.7	2.750	1	0.500	3 Phs	Comm Cond Fan	OPDAO	1326
6	1075	3/4	4.6/2.3	3.000	1	0.500	PSC	Condenser Fan	TEAO	2202
6	1075	3/4	5.0/2.5	3.000	1	0.500	PSC	Comm Cond Fan	TEAO	6603
6	1075	3/4	5.0/2.5	3.000	1	0.500	PSC	Comm Cond Fan	TEAO	5489

277 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	970	1/5	0.8	1.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1680
6	1075	1/4	2.0	1.500	3	0.500	PSC	Direct Drive Fan/Blower	OAO	600
6	1075	1/3	2.2	1.750	3	0.500	PSC	Direct Drive Fan/Blower	OAO	601
6	1075	1/2	3.4	2.000	3	0.500	PSC	Direct Drive Fan/Blower	OAO	602
8	810	1/10	0.6	1.250	3	0.500	PSC	Direct Drive Fan/Blower	OAO	1679

265-277 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	1075	1/5	1.2	1.000	3	0.500 - DBL	PSC	Room A/C	TEAO	3360

460 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	1075	1/4	0.8	1.250	1	0.500	PSC	Condenser Fan	TEAO	3736
6	1075	1/3	1.3	2.000	1	0.500	PSC	Condenser Fan	TEAO	3737
6	1075	1/2	1.5	2.500	1	0.500	PSC	Condenser Fan	TEAO	3738
6	1075	3/4	2.0	3.000	1	0.500	PSC	Condenser Fan	TEAO	3742
6	1100	1	3.3	3.000	1	0.500	PSC	Direct Drive Fan/Blower	OAO	2553
8	825	1/4	1.0	1.750	1	0.500	PSC	Condenser Fan	TEAO	1880
8	825	1/3	1.0	2.250	1	0.500	PSC	Condenser Fan	TEAO	1881
8	825	1/2	1.6	2.250	1	0.500	PSC	Condenser Fan	TEAO	1882

380/460 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1600	1/3	1.0	1.750	1	0.500	3 Phs	Comm Cond Fan	OPDAO	2387

Motor Selection Guide
6.3" Diameter

115 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1725	1/3	5.6	1.000	1	0.500	Spl Phs	Evap Cooler	ODP	6764
4	1725	1/2	8.2	1.125	1	0.500	Spl Phs	Evap Cooler	ODP	6768
4	1725	1/3	5.8	1.125	1	0.500	Spl Phs	Belted Fan/Blower	ODP	4253
4	1725	1/4	5.0	1.125	1	0.500	Spl Phs	Direct Drive Fan/Blower	TEAO	6326
4	1725	1/2	7.9	1.375	1	0.500	Spl Phs	Evap Cooler	ODP	7095
4	1725	1/3	6.4	1.375	2	0.500	Spl Phs	Evap Cooler	ODP	7097
4	1725	1/3	5.4	1.500	1	0.500	Spl Phs	Direct Drive Fan/Blower	TEAO	6328
4	1725	1/3	6.0	1.500	1	0.500	Spl Phs	General Purpose	ODP	2911
4	1725	1/2	8.2	1.500	2	0.500	Spl Phs	Evap Cooler	ODP	7098
4	1725	1/2	8.2	1.500	2	0.500	Spl Phs	Evap Cooler	ODP	6765
4	1725	1/3	6.4	1.500	2	0.500	Spl Phs	Evap Cooler	ODP	6767
4	1725	1/2	8.0	1.625	1	0.625	Spl Phs	Belted Fan/Blower	ODP	4114
4	1725	3/4	10.5	1.625	1	0.500	Spl Phs	Evap Cooler	ODP	6769
4	1725	3/4	11.0	1.750	1	0.500	Spl Phs	Evap Cooler	ODP	7096
4	1725	1/2	9.2	1.750	2	0.625	Spl Phs	Belted Fan/Blower	ODP	4293
4	1725	1/2	8.6	1.750	2	0.625	Spl Phs	General Purpose	ODP	3306
4	1725	1/4	5.1	1.750	2	0.500	Spl Phs	Belted Fan/Blower	ODP	5792C
4	1725	3/4	10.9	1.750	2	0.500	Spl Phs	Evap Cooler	ODP	7099
4	1725	3/4	10.9	1.750	2	0.500	Spl Phs	Evap Cooler	ODP	6770
4	1725	1/2	7.4	2.000	1	0.625	Spl Phs	Direct Drive Fan/Blower	TEAO	6330
4	1725	1/2	8.7	2.000	2	0.500	Spl Phs	Belted Fan/Blower	ODP	5794C
4	1725	1/3	6.4	2.250	2	0.500	Spl Phs	Belted Fan/Blower	ODP	5793C
4	1725	3/4	11.5	2.250	2	0.625	Spl Phs	Belted Fan/Blower	ODP	5795C
4	1725	1/3	5.0	2.750	1	0.500	Spl Phs	Oil Burner	TENV	3580
4	1725	1	13.6	3.000	2	0.625	Cap St	Evap Cooler	ODP	2574
8	850	1/3	9.0	3.500	1	0.625	Spl Phs	Direct Drive Fan/Blower	ODP	1208

Motor Selection Guide
6.3" Diameter *(continued)*

115/230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1725	1/2	7.4/3.7	1.500	1	0.625	Cap St	Belted Fan/Blower	ODP	1790
4	1725	1/2	8.0/4.0	1.625	1	0.625	Spl Phs	Belted Fan/Blower	ODP	4114
4	1725	1/2	8.0/4.0	1.625	1	0.625	Cap St	General Purpose	TEFC	T12C2J
4	1725	3/4	11.4/5.7	2.000	1	0.625	Cap St	Belted Fan/Blower	ODP	1893
4	1725	3/4	11.2/5.6	2.000	1	0.625	Spl Phs	Belted Fan/Blower	ODP	4115
4	1725	3/4	11.6	2.000	1	0.625	Cap St	General Purpose	ODP	1660
4	1725	1	14.0/7.0	2.750	1	0.625	CS/CR	Belted Fan/Blower	ODP	1769
4	1725	1	14.4/7.2	2.750	1	0.625	Spl Phs	Evap Cooler	ODP	5149
4	1725	1	16.4/8.2	2.750	1	0.625	Cap St	General Purpose	ODP	3754
8	850	1/3	8.0/4.0	3.000	1	0.625	Cap St	General Purpose	ODP	3705

115/208-230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
2	3450	1 1/2	17.0/8.5	2.375	1	0.625	Cap St	Belted Fan/Blower	ODP	299
4	1725	1/2	14.0	2.750	1	0.625	Cap St	Belted Fan/Blower	ODP	3187C
4	1725	1 1/2	22.4/11.2	3.500	1	0.625	Cap St	Belted Fan/Blower	ODP	4242

208-230 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
6	1075	3/4	3.8	2.250	1	0.625	PSC	Comm Cond Fan	ODPAO	3566
8	825	1/2	3.6	2.500	1	0.625	PSC	Comm Cond Fan	ODPAO	3568
8	825	3/4	5.3	3.750	1	0.625	PSC	Comm Cond Fan	ODPAO	3567

Motor Selection Guide
6.3" Diameter *(continued)*

208-230/460 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
4	1725	1/2	4.5	1.500	2	0.500	Spl Phs	Evap Cooler	ODP	6795
4	1725	1/2	4.8	1.750	1	0.500	Spl Phs	Evap Cooler	ODP	6766
4	1725	3/4	5.4	1.750	1	0.500	Spl Phs	Evap Cooler	ODP	6771
4	1725	1/2	4.6	1.750	2	0.625	Spl Phs	Belted Fan/Blower	ODP	4293H
4	1725	3/4	5.5	1.750	2	0.500	Spl Phs	Evap Cooler	ODP	6796
4	1725	1	3.4/1.7	2.000	1	0.625	3 Phs	Belted Fan/Blower	ODP	1813
4	1725	1 1/2	5.0/2.5	2.500	1	0.625	3 Phs	Belted Fan/Blower	ODP	1814
4	1725	1 1/2	5.0/2.5	2.500	1	0.875	3 Phs	Comm Blower	ODP	7913
4	1725	2	6.6/3.3	2.750	1	0.625	3 Phs	Belted Fan/Blower	ODP	1815
4	1725	1	7.2	3.000	2	0.625	Cap St	Evap Cooler	ODP	2423
4	1725	2	7.6/3.9	3.000	1	0.875	3 Phs	Comm Blower	ODP	7914
4	1725	2	6.3/3.1	3.500	1	0.875	3 Phs	Comm Blower	TEAO	8461
4	1725	3	9.2/4.6	3.500	1	0.875	3 Phs	Comm Blower	ODP	7915
6	1075	1/2	2.5	2.000	2	0.500	PSC	Unit Heater Fan	TEAO	1810
6	1075	1	5.2	2.750	1	0.625	PSC	Comm Cond Fan	ODPAO	3565
6	1140	3/4	3.6/1.8	2.750	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1817
6	1075	3/4	3.7	2.750	2	0.500	PSC	Unit Heater Fan	TEAO	1811
6	1075	1	5.8/2.7	3.000	1	0.500	PSC	Comm Cond Fan	ODPAO	8431
6	1140	1	4.8/2.4	3.250	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1818
6	1140	1	4.8/2.4	3.250	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1820
6	1075	1	5.1/2.6	3.500	1	0.625	PSC	Comm Cond Fan	TEAO	2686
6	1075	1	5.2/2.6	3.500	1	0.625	PSC	Condenser Fan	TEAO	2203
6	1140	1	6.0/3.0	3.500	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1816
6	1075	1 1/2	7.6/3.8	4.000	1	0.625	PSC	Condenser Fan	TEAO	2204
6	1075	1 1/2	7.5/3.8	4.000	1	0.625	PSC	Comm Cond Fan	TEAO	2896
6	1140	1 1/2	7.1/3.6	4.250	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1819
6	1140	1 1/2	7.2/3.6	4.250	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1821
6	1140	2	7.8/3.9	4.500	1	0.625	3 Phs	Comm Cond Fan	ODPAO	8987
6	1140	2	7.8/3.9	4.500	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1822
8	850	1	5.0/2.5	4.250	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1828

575 Volts

Poles	RPM	HP	Amps	Iron Stack	Speed	Shaft	Type	Motor Type	Enclosure	Catalog Number
8	850	1	2.1	4.250	1	0.625	3 Phs	Comm Cond Fan	ODPAO	1829

Index
Sorted by Catalog Number

CATALOG #	PAGE #
10L440	47
10R440	47
12L440	47
12R440	47
15L440	47
15R440	47
17L440	48
17R440	47
20L440	48
20R440	47
25L440	48
25R440	47
3L440	47
30L440	48
30R440	47
31R440	47
35L440	48
35R440	47
4L440	47
40L440	48
40R440	47
45L440	48
45R440	47
5L440	47
5R440	47
50L440	48
50R440	47
55L440	48
55R440	47
6L440	47
60L440	48
60R440	47
7L440	47
7R440	47
70L440	48
70R440	47
80L440	48
80R440	47
180	42
298	42
299	42
305R440	48
355R440	48
399	42
405R440	48
430	42
431	42
455R440	48
505R440	48
555R440	48
600	33
601	33
602	34
605R440	48
805R440	48
872	96
1003	96
1004	96
1060	23
1061	23
1089	43
1098H	22
1099H	22
1102	25
1125	34
1129	35
1137	25
1138	25
1139	25
1140	25
1145	36
1146	36
1152	31
1158	25
1173	24
1177	24
1184	25
1186	31
1187	31
1197	43
1211	30
1213	32
1218	30
1219	25
1240	31
1242	31
1243	31
1244	31
1247	31
1254	24
1258	30
1259	30
1260	25
1264	30
1266	25
1268	29
1269	30
1267	25
1297VG	26
1323	34
1326	25
1357	36
1364	40
1365	30
1366	58
1374	30
1376	24
1377	30
1378	30
1384	37
1385	37
1386	37
1388	37
1390	29
1391	29
1413	23
1415	31
1416	31
1419	25
1660	59
1676	30
1678	30
1690	33
1692	33
1693	33
1694	33
1695	33
1696	34
1697	34
1699	34
1700	34
1769	42
1789	39
1790	42
1801	72
1802VG	26
1803VG	26
1804VG	26
1805VG	26
1806VG	26
1807VG	26
1810	37
1813	43
1814	43
1815	43
1818V	27
1819V	27
1820V	27
1821V	27
1822V	27
1824	32
1828V	27
1830V	27
1831V	27
1832V	27
1833V	27
1834H	28
1843	72
1863	33
1864	33
1865	34
1887	32
1888	23
1893	42
1894	31
1949	35
1961	30
1971	33
1972	33
1973	34
2097	41
2102	18
2103	18
2108	18
2109	18
2110	18
2111	18
2112	18
2113	18
2114	18
2115	18
2116	18
2117	18
2118	18
2119	18
2120	18
2122	18
2123	18
2124	18
2125	18
2126	18
2127	18
2128	18
2129	18
2130	18
2131	18
2132	18
2133	18
2134	18
2135	18
2169	25
2170	25
2171	25
2193	24
2201	24
2202	24
2203	24
2204	24
2243	20
2246	20
2249	20
2250	20
2302	41
2319	41
2387	25
2423	38
2553	34
2574	38
2686	24
2896	24
2910	58
2911	58
3010R440	48
3053	58
3075R440	48
3083	41
3097	23
3134	31
3135	31
3136	31
3183	33
3196	41
3197	33
3252	41
3255	97
3256	97
3257	97
3258	97
3259	97
3260	97
3261	97
3274	41
3306	58
3312	33
3313	33
3314	33
3315	33
3325H	22
3510R440	48
3565	24
3566	24
3567	24
3568	24
3575R440	48
3580	41
3615	39
3618	39
3700	59
3768	69
3783	35
3784	35
3785	35
3786	35
3787	35
3788	35
3846	23
3847	23
3848	23
3851	23
3852	23
3913	25
4010R440	48
4075R440	48
4114	40
4115	40
4125	30
4129	30
4130	30
4137	30
4153	36

Index
Sorted by Catalog Number

CATALOG #	PAGE #
4242	42
4293	40
4510R440	48
4575R440	48
4671	23
4742	36
4745	36
4746	36
4748	36
4749	36
4750	36
4811	23
4933	25
4934	25
4936	25
4940	25
4958	25
4960	23
4961	23
5010R440	48
5075R440	48
5108	31
5149	38
5345	23
5430	15
5431	15
5432	15
5433	15
5460	13
5461	13
5462	12
5463	34
5464	12
5465	12
5469	13
5470	13
5471	13
5472	12
5489	24
5510R440	48
5561EO	10
5562EO	10
5575R440	48
56105S	5
56107S	5
56110S	5
56205S	5
56207S	5
56210S	5
5624	5
5632	5
5634	5
5642	5
5644	5
5652	5
5654	5
5825	34
5826	34
5830	34
5831	34
5835	34
5836	34
5840	34
5841	34
5845	34
5846	34
5847	34
5860	7
5861	7
5862	7
5863	7
5866	41
6001	96
6010R440	48
6075R440	48
6078	96
6079	96
6080	96
6174	63
6212	65,94
6214	65,94
6309	42
6311	59
6313	42
6316	59
6317	42
6326	37
6452	34
6603	24
6633	6
6643	6
6653	6
6727	24
6737	58
6765	38
6766	38
6767	38
6768	38
6769	38
6770	38
6771	38
6795	38
6796	38
6880	23
6986	23
7025	23
7040	23
7041	23
7073	38
7475	24
7913	43
7914	43
7998	58
8000	39
8055	24
8075R440	48
8100	39
8200	39
8230	23
8233	24
8420PS	9
8430PS	9
8431	24
8432UI	8
8440PS	9
8442UI	8
8450PS	9
8452UI	8
8461	43
8488	43
8489	43
8490	43
8491	43
8493	43
8498	43
8620PS	9
8630PS	9
8632UI	8
8640PS	9
8642UI	8
8650PS	9
8652UI	8
8665	23
8666	23
8667	23
8725	31
8726	31
8868	24
8869	24
8904	34
8905	34
8906	34
8907	34
8945	33
8947	33
8952	29
8955	29
8987V	27
9034	37
9035	37
9036	37
9377	35
9624	19
9628	19
9632	19
9641	19
9648	19
9654	19
9656	19
9657	19
9662	19
9664	19
9721	19
364963	116
364964	116
364966	116
364967	116
481468	43
958191	116
958192	116
958193	116
958194	116
958195	116
964220	116
964221	116
964222	116
964223	116
964224	116
964225	116
964226	116
964227	116
964252	116
2046247	112
2046248	113
2059318	115
2059319	115
2059320	114
2059321	112
2059322	113
2059695	112
2059696	113
2059782	115
2059783	115
2059784	112
2059785	113
2060203	112
2060204	113
2060431	115
2060432	115
2060433	114
2060434	112
2060435	113
2060739	112
2060740	115
2060741	115
2060742	114
2060743	112
2061427	112
2061476	115
2061477	115
2061478	112
2063391	112
2063392	112
2063393	113
2063434	115
2063435	115
2063436	112
2063437	112
2063438	113
2064224	112
2064245	115
2064246	114
2064247	112
2064678	114
2064679	114
2065842	112
2065878	115
2065879	114
2065880	112
2066054 & 900460	112
2066298	112
2066299	112
2066353 & 900461	112
2066397	115
2066398	115
2066399	112
2066545	112
2080456	113
2080457	113
2080463	113
2080464	113
2080475	113
2080476	113
2080477	113
1139VG	26
1278H	22
1295H	22
1542C	39
1817H	28
1818H	28
1818VG	26
1819H	28
1819VG	26
1820H	28
1820VG	26
1821H	28
1821VG	26
1822H	28
1822VG	26
1826H	28
1828H	28
1828VG	26
1829H	28
1830VG	26
1831H	28
1831VG	26
1832H	28
1832VG	26
1833H	28
1833VG	26

Index
Sorted by Catalog Number

CATALOG #	PAGE #
1859H	22
1859PEP	21
1860H	22
1860PEP	21
1861H	22
1861PEP	21
1862H	22
1862PEP	21
1868H	22
1870H	22
1872H	22
1873H	22
1874H	22
1875H	22
3187C	42
3323H	22
3736H	22
3736PEP	21
3737H	22
3737PEP	21
3738H	22
3738PEP	21
3742H	22
5440H	11
5441H	11
5442H	11
5462H	12
5464H	12
5465H	12
5480H	12
5481H	12
5482H	12
5522ET	4
5532ET	4
5542ET	4
5552ET	4
5793C	40
5794C	40
5795C	40
6361EO	10
6362EO	10
7915V	43
8010R440	48
840CV	39
841CV	39
8987H	28
8987VG	26
2110004	116
2095922-000	114
2095925-000	114
2095943-000	114
2095946-000	114
2095963-000	114
2095967-000	114
2095982-000	114
2096007-000	114
2096008-000	114
B8430UI	8
B8450UI	8
B8630UI	8
B8650UI	8
BD14CA3J9	42
CVW100V2B6	54
CVW10V2H6	54
CVW10V3B6	54
CVW15V2H6	54
CVW15V3B6	54
CVW20V2H6	54
CVW20V3B6	54
CVW25V2B6	54

CATALOG #	PAGE #
CVW25V3B6	54
CVW2V3B6	54
CVW30V2B6	54
CVW30V3B6	54
CVW3V3B6	54
CVW40V3B6	54
CVW50V3B6	54
CVW5V3B6	54
CVW60V3B6	54
CVW75V2B6	54
CVW7V2B6	54
CVWG10V2B6	54
CVWG15V2B6	54
CVWG25V2B6	54
CVWG50V2B6	54
CVWG60V2B6	54
CVWG75V2B6	54
CVWG100V2B2	55
CVWG10V2B2	55
CVWG10V2H2	55
CVWG10V3B2	55
CVWG15V2B2	55
CVWG15V2H2	55
CVWG15V3B2	55
CVWG20V2B	54
CVWG20V2B2	55
CVWG20V2H2	55
CVWG20V3B2	55
CVWG25V2B2	55
CVWG25V3B2	55
CVWG2V3B2	55
CVWG30V2B2	55
CVWG30V3B2	55
CVWG3V2B	54
CVWG3V2B2	55
CVWG3V3B2	55
CVWG40V2B	54
CVWG40V2B2	55
CVWG40V3B2	55
CVWG50V2B2	55
CVWG50V3B2	55
CVWG5V2B	54
CVWG5V2B2	55
CVWG5V2H	54
CVWG5V2H2	55
CVWG5V3B2	55
CVWG60V2B2	55
CVWG60V3B2	55
CVWG75V2B2	55
CVWG75V3B	54
CVWG75V3B2	55
CVWG7V2H	54
CVWG7V2H2	55
CVWG7V3B	54
CVWG7V3B2	55
CW10V2E2	56
CW10V2G2	56
CW10V2H2	56
CW10V3E2	56
CW15V2E2	56
CW15V2G2	56
CW15V2H2	56
CW20V2E2	56
CW20V2G2	56
CW20V2H2	56
CW25V2E2	56
CW25V2G2	56
CW25V2H2	56
CW2V2E2	56
CW2V3E2	56

CATALOG #	PAGE #
CW30V2E2	56
CW30V2G2	56
CW3V2E2	56
CW3V2G2	56
CW3V2H2	56
CW3V3E2	56
CW40V2E2	56
CW40V2G2	56
CW50V2E2	56
CW50V2G2	56
CW5V2E2	56
CW5V2G2	56
CW5V2H2	56
CW5V3E2	56
CW60V2E2	56
CW60V2G2	56
CW75V2E2	56
CW7V2E2	56
CW7V2G2	56
CW7V2H2	56
CW7V3E2	56
CWG10V2E2	56
CWG15V2E2	56
CWG20V2E2	56
CWG25V2E2	56
CWG30V2E2	56
CWG3V2E2	56
CWG40V2E2	56
CWG50V2E2	56
CWG5V2E2	56
CWG60V2E2	56
CWG7V2E2	56
D100P1ES	78
D100P1GS	78
D100P2E	78
D100P2ES	78
D100P2FS	78
D100P2G	78
D100P2GS	78
D100P3E	78
D100P3G	78
D100P4E	78
D10C1K21	61
D10C2K21	61
D10P1D	75
D10P1DC	99,80
D10P1G	75
D10P1H	75
D10P2D	75
D10P2DC	99,80
D10P2G	75
D10P2H	75
D10P3D	75
D10P3G	75
D10P3H	75
D10P4E	75
D125P1FS	78
D125P1GS	78
D125P2F	78
D125P2FS	78
D125P2G	78
D125P2GS	78
D125P3F	78
D125P3G	78
D12B2N4	58
D12B2N49	58
D12B2NA9	58
D12B2NZA9	58
D12BM2N	58
D12CP1P49	59

CATALOG #	PAGE #
D12CP2P	60
D12CP2P4	60
D12CP2P49	59
D12CP2PC	62
D12CP2PCR	62,92
D12CP2PH9	59
D12CP3PH	60
D12CP3PH9	59
D12CPA2P	60
D12CPA2P4	60
D12CPA2P49	59
D12CPA2PCR	62,92
D12CPA2PH9	59
D12CPA3PH9	59
D12CPM2P	60
D12P2ACR	80
D12P2AH	74
D12P2AH9	79
D12P2D	74
D12P2GH	74
D12P3AH	74
D13B10N49	58
D13B2K4A9	58
D13B2N4A	58
D13B2N4A9	58
D13B2N4Z	58
D13B2N4Z9	58
D13B2NZA9	58
D13B3P9	58
D13BA2N4A	58
D13C4P9	59
D13CA1J9	59
D13CP2P	60
D13CP2P4	60
D13CP2P49	59
D13CP2PCR	62,92
D13CP2Z49	59
D13CP3PH9	59
D13CPA1P4	60
D13CPA2P49	59
D13CPA2P9	59
D13CPA2Z4	60
D13CPA3P9	59
D13CPM2P	60
D13CPM3P9	59
D13P1GCR	80
D13P2ACR	80
D13P2AH	74
D13P2AH9	79
D13P2GCR	80
D13P2GH	74
D14B2N49	58
D14B2N4Z	58
D14B2NZA9	58
D14B3N9	58
D14B3NCR	62,92
D14CP2P4	60
D14CP2P9	59
D14CPA2P4	60
D14CPA2P49	59
D14CPA2P9	59
D14CPA3P9	59
D14CPM3P9	59
D14P2ACR	80
D14P2AH	74
D14P2B4	74
D14P2GH	74
D14P3A	74
D150P1FS	78
D150P1GS	78

Index
Sorted by Catalog Number

CATALOG #	PAGE #
D150P2F	78
D150P2FS	78
D150P2G	78
D150P3F	78
D150P3G	78
D15P1D	76
D15P1DC	99,80
D15P1G	76
D15P1H	76
D15P2D	76
D15P2EC	99,80
D15P2G	76
D15P2H	76
D15P3D	76
D15P3E	76
D15P3G	76
D15P3H	76
D15P4D	76
D16B2N4Z9	58
D16B3N4Z9	58
D1C2J14	60
D1C2J14C	62
D1C2P18Z	60
D1CA2J14	60
D1CM2J14	60
D1CP1PH	60
D1CP1PH9	59
D1CP1PHC	62
D1CP2PCR	62,92
D1CP2PH	60
D1CP2PH9	59
D1CP2PHC	62
D1CP3PH	60
D1CPA1PCR	62,92
D1CPA1PH9	59
D1CPA2JH9	59
D1CPA2P9	59
D1CPA2PH	60
D1CPA2PH9	59
D1CPA3PH9	59
D1CPM1PH	60,69
D1CPM2PH	60
D1P1A	74
D1P2AH	74
D1P2AHC	80,98
D1P2D	74
D1P2G	74
D1P2GH	74
D1P2H	74
D1P3D	74
D1P3G	74
D1P3H	74
D1P4E	74
D1P2DC	80,98
D1P2DH9	79
D1P2DHZ	74
D200P1FS	78
D200P1GS	78
D200P2F	78
D200P2FS	78
D200P2G	78
D200P3F	78
D200P3G	78
D20P1D	76
D20P1EC	99,80
D20P1G	76
D20P1H	76
D20P2D	76
D20P2EC	99,80
D20P2G	76

CATALOG #	PAGE #
D20P2H	76
D20P3D	76
D20P3G	76
D20P3H	76
D250P1FS	78
D250P1GS	78
D250P2FF	78
D250P2FFS	78
D250P2GF	78
D25P1D	76
D25P1EC	99,80
D25P1G	76
D25P1H	76
D25P2D	76
D25P2E	76
D25P2EC	99,80
D25P2ES	76
D25P2G	76
D25P2GS	76
D25P2H	76
D25P2HS	76
D25P3D	76
D25P3G	76
D25P3H	76
D25P4E	76
D2C1J14	61
D2C2J14	61
D2C2P18	61
D2C2P21Z	61
D2CA2J14	61
D2CM2J14	61
D2CP1PH	61
D2CP2PCR	62,93
D2CP2PH9	59
D2CP2PHC	62
D2CPA1PH9	59
D2CPA2PH	61
D2CPA2PH9	59
D2CPM2PH	61
D2P1ACR	80
D2P1AH	74
D2P1AHC	80,98
D2P1D	74
D2P1DC	80,98
D2P1G	74
D2P1H	74
D2P2ACR	80
D2P2AH	74
D2P2B2	74
D2P2D	74
D2P2DC	80,98
D2P2DHZ	74
D2P2G	75
D2P2GH	75
D2P2H	74
D2P3D	75
D2P3G	75
D2P3H	75
D2P4E	75
D30P1ES	76
D30P1ESC	99,80
D30P1GS	76
D30P1HS	76
D30P2D	76
D30P2DC	99,80
D30P2DS	76
D30P2G	76
D30P2GS	76
D30P2H	76
D30P2HS	76

CATALOG #	PAGE #
D30P3D	76
D30P3G	76
D30P3H	76
D32C1J14	60
D32C1JH	60
D32C1JHC	62
D32C2J14	60
D32C2J149	59
D32C2P18Z	60
D32CM2J14	60
D32P1D	74
D32P1G	74
D32P1H	74
D32P2ACR	80
D32P2AH	74
D32P2AH9	79
D32P2B2	74
D32P2D	74
D32P2DC	80,98
D32P2G	74
D32P2GH	74
D32P2H	74
D32P3D	74
D32P3G	74
D32P3H	74
D32PA1AH9	79
D32CP2PCR	62,93
D32CP2PH	60
D32CP2PH9	59
D32CP2PHC	62
D32CPA1PH9	59
D32CPA2PH	60
D32CPA2PH9	59
D32CPM1PH	60
D32CPM2PH	60
D32P1ACR	80
D32P1AHC	80,98
D34PA2AH	74
D34B2N9	58
D34CA1JCR	62,92
D34CP1PH	60
D34CP2PCR	62,92
D34CP2PH	60
D34CP2PH9	59
D34CP2PHC	62
D34CP3PH	60
D34CPA1PH9	59
D34CPA2PCR	62,92
D34CPA2PH	60
D34CPA2PH9	59
D34CPM1PCR	62,92
D34CPM1PH	60
D34CPM2PH	60
D34P1B	74
D34P2ACR	80
D34P2AH	74
D34P2AH9	79
D34P2GH	74
D3C1P18	61
D3C2P18	61
D3CPM1T	61,69
D3P1D	75
D3P1DC	80,98
D3P1G	75
D3P1H	75
D3P2AHZ	75
D3P2D	75
D3P2DC	80,98
D3P2G	75
D3P2H	75

CATALOG #	PAGE #
D3P3D	75
D3P3G	75
D3P3H	75
D3P4E	75
D3PA2D	75
D300P1FFS	78
D300P2F	78
D300P2FS	78
D300P2GS	78
D350P1FS	78
D350P2F	78
D40P1ES	77
D40P1ESC	99,80
D40P1GS	77
D40P1HS	77
D40P2D	77
D40P2DC	99,80
D40P2DS	77
D40P2G	77
D40P2GS	77
D40P2H	77
D40P2HS	77
D40P3E	77
D40P4E	77
D40P3G	77
D400P1FS	78
D400P2F	78
D50P1ES	77
D50P1ESC	99,80
D50P1GS	77
D50P1HS	77
D50P2D	77
D50P2DC	99,80
D50P2DS	77
D50P2FS	77
D50P2G	77
D50P2GS	77
D50P2H	77
D50P2HS	77
D50P3E	77
D50P3G	77
D50P4E	77
D5C1K18	61
D5C2K	69
D5C2K18	61
D5C2K21	61
D5C2K21Z	61
D5CM1K14	69
D5P1D	75
D5P1DC	80,98
D5P1G	75
D5P1H	75
D5P2D	75
D5P2DC	80,98
D5P2G	75
D5P2H	75
D5P3D	75
D5P3G	75
D5P3H	75
D5P4G	75
D5PA2A	43,75
D60P1ES	77
D60P1GS	77
D60P1HS	77
D60P2E	77
D60P2ES	77
D60P2FS	77
D60P2G	77
D60P2GS	77
D60P3E	77

Index
Sorted by Catalog Number

CATALOG #	PAGE #
D60P3G	77
D60P4E	77
D75P1ES	77
D75P1GS	77
D75P2E	77
D75P2ES	77
D75P2FS	77
D75P2G	77
D75P2GS	77
D75P3E	77
D75P3G	77
D75P4E	77
D7C1K	69
D7C1K18	61
D7C1K21	61
D7C2K21	61
D7P1D	75
D7P1DC	99,80
D7P1G	75
D7P1H	75
D7P2D	75
D7P2DC	99,80
D7P2G	75
D7P2H	75
D7P3D	75
D7P3G	75
D7P3H	75
D7P4D	75
D7P4G	75
D7PA2A	43,75
DJ10C1K21M	104
DJ10C1K21P	104
DJ10C2K21M	104
DJ10C2K21P	104
DJ10P1DJ	108
DJ10P1DM	107
DJ10P1DP	108
DJ10P1DU	107
DJ10P1GM	107
DJ10P1HM	107
DJ10P2DJ	108
DJ10P2DM	107
DJ10P2DP	108
DJ10P2DU	107
DJ10P2HM	107
DJ10P3EP	108
DJ15P1DJ	108
DJ15P1DM	107
DJ15P1DP	108
DJ15P1DU	107
DJ15P1HP	108
DJ15P2EM	107
DJ15P2EP	108
DJ15P2EU	107
DJ15P2HP	108
DJ1P2DM	106
DJ1P2DP	108
DJ1P2DU	107
DJ1P2HM	106
DJ1P3DM	106
DJ20E1GM	107
DJ20P1DM	107
DJ20P1EP	108
DJ20P1EU	107
DJ20P1GM	107
DJ20P1HP	108
DJ20P2EM	107
DJ20P2EP	108
DJ20P2HP	108
DJ25E2GP	108
DJ25P1DM	107
DJ25P1EP	108
DJ25P1HP	108
DJ25P2EM	107
DJ25P2GP	108
DJ2C2P18M	104
DJ2E1DM	106
DJ2E2GM	106
DJ2P1DM	106
DJ2P2DM	106
DJ2P2DP	108
DJ2P2DU	107
DJ2P2GM	106
DJ2P2HM	106
DJ2P3DM	106
DJ32P1DM	106
DJ32P2DM	106
DJ32P2DP	108
DJ32P2DU	107
DJ32P2HM	106
DJ32P3DM	106
DJ34P3DM	106
DJ3C1P18M	104
DJ3C2P18M	104
DJ3C2P18P	104
DJ3P1DM	106
DJ3P2DM	106
DJ3P2DP	108
DJ3P2DU	107
DJ3P2HM	106
DJ3P3DM	106
DJ30P1EM	107
DJ30P1EP	108
DJ30P2DM	107
DJ30P2DP	108
DJ40E1GP	108
DJ40P1EM	107
DJ40P1EP	108
DJ40P1GM	107
DJ40P1GP	108
DJ40P2DM	107
DJ40P2DP	108
DJ5C1K18M	104
DJ5C1K18P	104
DJ5C2K18M	104
DJ5C2K21M	104
DJ5E1HM	106
DJ5P1DM	106
DJ5P1HM	106
DJ5P2DM	106
DJ5P2DP	108
DJ5P2DU	107
DJ5P2GM	106
DJ5P2HM	106
DJ5P3DM	106
DJ50P1EM	107
DJ50P1EP	108
DJ50P2DM	107
DJ50P2DP	108
DJ60P1EM	107
DJ60P1EP	108
DJ7C1K18M	104
DJ7C1K21M	104
DJ7C1K21P	104
DJ7C2K21M	104
DJ7P1DM	106
DJ7P2DJ	108
DJ7P2DM	106
DJ7P2DP	108
DJ7P2DU	107
DJ7P2GM	106
DJ7P2HM	106
DJ7P3EP	108
EAF22E-C1-NABA	52
EAF22H-C1-NABA	52
EAF25E-C1-NABA	52
EAF25H-C1-NABA	52
EAF32E-C1-NABA	52
EAF32H-C1-NABA	52
EAF36E-C1-NABA	52
EAF36H-C1-NABA	52
EAF42E-C1-NABA	52
EAF42H-C1-NABA	52
EAF49E-C1-NABA	52
EAF49H-C1-NABA	52
EAF54E-C1-NABA	52
EAF54H-C1-NABA	52
EAF61E-C1-NABA	52
EAF61H-C1-NABA	52
EB384	69
EC01	94
EC01B	94
EC03	94
EC0332	92
EC0332B	92
EC03B	94
EC04	94
EC0502	92
EC0504B	92
EC06	94
EC0752	92
EC09	94
EC09B	94
EC1002	92
EC1004B	92
EC10B	95
EC11	95
EC11B	95
EC12	95
EC12B	95
EC13	95
EC13B	95
EC1502	93
EC16	95
EC16B	95
EC2002	93
EC2002B	93
EC3002	93
EC5407E	2
EC5408E	2
EC5409E	2
EC5411E	2
EC5411N	2
EC5412N	2
EC5414N	2
EC5470FP	3
EC5472FP	3
EE045	98
EE155	98
EE155B	98
EE155-5	98
EE2113	98
EE2156	101
EE254	98
EE256	100
EE283	100
EE283B	100
EE283-5	100
EE446	98
EE446B	98
EE446-5	98
EE506	98
EE506B	98
EE506-5	98
EE508	98
EE511	98
EE515	100
EE515B	100
EE515-5PE	100
EE516	100
EE516-5	100
EE516B	100
EE586	100
EE607	98
EE607B	98
EE607-5	98
EE609	98
EE612	98
EE612B	98
EE661	101
EE661B	101
EE661-5	101
EE684	100
EE694	101
EE706	101
EE706-5	101
EE706B	101
EE707	101
EE707-5	101
EE707B	101
EE733	98
EE733-5	98
EE733B	98
EE734	98
EE734-5	98
EE734B	98
EE736	98
EE833B	98
EE930	98
EJM104B	104
EJM154B	104
EJM202B	104
EJM302B	104
EJM502B	104
EU01	94
EU02	94
EU03	94
EU0332	92
EU0332B	92
EU0334	92
EU04	94
EU05	94
EU0502	92
EU0502B	92
EU0504	92
EU06	94
EU07	94
EU0752	92
EU0752B	92
EU0754	92
EU08	94
EU09	95
EU10	95
EU1002	92
EU1002B	92
EU11	95
EU12	95
EU1502	93
EU1502B	93
EU2002	93

Index
Sorted by Catalog Number

CATALOG #	PAGE #
EU2002B	93
EU3002	93
EU3002B	93
FD10CM1K21Z	71
FD10CM2K21	70
FD12CM2P	70
FD12CM2PC	70
FD12CM2PCR	70
FD12CM2PZY	72
FD12CM2PZYR	72
FD12SM2DZYR	72
FD13BM2PZYR	72
FD13CM2P	70
FD13CM2PC	70
FD13CM2PCR	70
FD13SM2DZYR	72
FD1CA1PZ	71
FD1CM2P14	70
FD1CM2PCR	70
FD1CM2PHC	70
FD1CM2PZ	70
FD1CM2PZY	72
FD1PM2DZYR	72
FD2CA1P14	71
FD2CM2P18	70
FD2CM2PHC	70
FD2CM2PHZ	70
FD32CA1P14	71
FD32CM2P14	70
FD32CM2P14C	70
FD32CM2PCR	70
FD32CM2PH	70
FD32CM2PHZY	72
FD32CPM2PHC	70
FD32PM2DZYR	72
FD34CA1PZ	71
FD34CM2P	70
FD34CM2PC	70
FD34CM2PCR	70
FD34CM2PZY	72
FD34CM2PZYR	72
FD34SM2DZYR	72
FD3CA1K14	71
FD3CM2K18	70
FD5CM1K18Z	71
FD5CM2K18	70
FD5CM2K21	70
FD7CM1K18Z	71
FD7CM2K21	70
FDU10CM2K21	68
FDU10CM2K21C	68
FDU13CM2K21	68
FDU2CM2P18Z	68
FDU32CM2P14	68
FDU3CM2K18	68
FDU3CM2K18C	68
FDU5CM2K18	68
FDU5CM2K18C	68
FDU5CM2K21Z	68
FDU7CM2K21	68
FDU7CM2K21C	68
FDU7CM2K21Z	68
FDU7CM2K21ZC	68
HD100P1ES	89
HD100P1GS	89
HD100P2E	89
HD100P2EB	89
HD100P2EC	90
HD100P2ES	89
HD100P2G	89
HD100P2H	89
HD100P2HS	89
HD100P3E	89
HD100P3EB	89
HD100P3G	89
HD10P1E	87
HD10P1EC	90
HD10P1G	87
HD10P1H	87
HD10P2E	87
HD10P2EC	90
HD10P2G	87
HD10P2H	87
HD10P3E	87
HD10P3EC	90
HD10P3G	87
HD10P4E	87
HD125P1FS	89
HD125P1GS	89
HD125P2F	89
HD125P2FB	89
HD125P2FS	89
HD125P2G	89
HD125P3F	89
HD125P3FB	89
HD125P3G	89
HD150P1FS	89
HD150P1GS	89
HD150P2F	89
HD150P2FB	89
HD150P2FS	89
HD150P2G	89
HD150P3F	89
HD150P3GB	89
HD150P3FB	89
HD150P3G	89
HD15P1E	87
HD15P1EC	90
HD15P1G	87
HD15P1H	87
HD15P2E	87
HD15P2EC	90
HD15P2G	87
HD15P2H	87
HD15P3E	87
HD15P3EC	90
HD15P3G	87
HD15P4E	87
HD1P2E	86
HD1P2EC	90
HD1P2G	86
HD1P2H	86
HD1P3E	86
HD1P3EC	90
HD1P3G	86
HD1P3H	86
HD1P4E	86
HD200P1FS	89
HD200P1GS	89
HD200P2F	89
HD200P2FB	89
HD200P2FS	89
HD200P2G	89
HD200P2GS	89
HD20P1E	87
HD20P1EC	90
HD20P1G	87
HD20P1H	87
HD20P2E	87
HD20P2EC	90
HD20P2G	87
HD20P2H	87
HD20P3E	87
HD20P3EC	90
HD20P3G	87
HD20P4E	87
HD25P1E	87
HD25P1ES	87
HD25P1ESC	90
HD25P1GS	88
HD25P1HS	87
HD25P2E	88
HD25P2EC	90
HD25P2ES	88
HD25P2G	88
HD25P2H	88
HD25P3E	88
HD25P3G	88
HD25P4E	88
HD2P1E	86
HD2P1EC	90
HD2P1G	86
HD2P1H	86
HD2P2E	86
HD2P2EC	90
HD2P2G	86
HD2P2H	86
HD2P3E	86
HD2P3EC	90
HD2P3G	86
HD2P3H	86
HD2P4E	86
HD30P1E	88
HD30P1ES	88
HD30P1ESC	90
HD30P1GS	88
HD30P1HS	88
HD30P2E	88
HD30P2EC	90
HD30P2ES	88
HD30P2G	88
HD30P2H	88
HD30P3E	88
HD30P3G	88
HD30P4E	88
HD32P1E	86
HD32P1EC	90
HD32P1G	86
HD32P1H	86
HD32P2E	86
HD32P2EC	90
HD32P2G	86
HD32P2H	86
HD32P3E	86
HD32P3EC	90
HD32P3G	86
HD32P3H	86
HD32P4E	86
HD3P1E	86
HD3P1EC	90
HD3P1G	86
HD3P1H	86
HD3P2E	86
HD3P2EC	90
HD3P2G	86
HD3P2H	86
HD3P3E	86
HD3P3EC	90
HD3P3G	86
HD3P3H	86
HD3P4E	86
HD40P1ES	88
HD40P1GS	88
HD40P1HS	88
HD40P2E	88
HD40P2EC	90
HD40P2ES	88
HD40P2G	88
HD40P2H	88
HD40P3E	88
HD40P3G	88
HD40P3H	88
HD40P4E	88
HD50P1ES	88
HD50P1GS	88
HD50P1HS	88
HD50P2E	88
HD50P2EC	90
HD50P2ES	88
HD50P2G	88
HD50P2H	88
HD50P3E	88
HD50P3G	88
HD50P3H	88
HD5P1E	87
HD5P1EC	90
HD5P1G	87
HD5P1H	87
HD5P2E	87
HD5P2EC	90
HD5P2G	87
HD5P2H	87
HD5P3E	87
HD5P3EC	90
HD5P3G	87
HD5P3H	87
HD5P4E	87
HD60P1ES	88
HD60P1GS	88
HD60P1HS	88
HD60P2E	88
HD60P2EC	90
HD60P2ES	88
HD60P2G	88
HD60P2H	88
HD60P3E	88
HD60P3G	88
HD75P1ES	89
HD75P1GS	89
HD75P1HS	89
HD75P2E	89
HD75P2EB	89
HD75P2EC	90
HD75P2ES	89
HD75P2F	89
HD75P2G	89
HD75P2H	89
HD75P3E	89
HD75P3EB	89
HD75P3G	89
HD7P1E	87
HD7P1EC	90
HD7P1G	87
HD7P1H	87
HD7P2E	87
HD7P2EC	90
HD7P2G	87
HD7P2H	87
HD7P3E	87
HD7P3EC	90

Index
Sorted by Catalog Number

CATALOG #	PAGE #
HD7P3G	87
HD7P4E	87
HJ25P1GM	110
HJ25P2GM	110
HJ25P2GP	111
HJ30P1BM	110
HJ30P1BP	111
HJ30P1GM	110
KIT1	44
KIT10	44
KIT12	46
KIT13	44
KIT14	46
KIT15	44
KIT16	44
KIT17	44
KIT19	46
KIT20	46
KIT21	45
KIT23	44
KIT24	44
KIT25	44
KIT25T	44
KIT26	45
KIT27	45
KIT28	45
KIT29	44
KIT3	46
KIT30	46
KIT31	46
KIT32	46
KIT34	46
KIT37	46
KIT38	46
KIT39	44
KIT4	46
KIT40	45
KIT42	45
KIT42T	45
KIT43	44
KIT44	44
KIT45	44
KIT5	46
KIT51	46
KIT52	44
KIT55	45
KIT58	45
KIT6	46
KIT60	45
KIT61	45
KIT62	45
KIT63	45
KIT75	45
KIT77	45
KIT87	45
KIT9	44
N0110	17
N065	16
N066	17
N11969	17
N143	17
N157	16
N164	16
N169	16
N172	16
N173	16
N180	16
N182	16
N200	16
N331	16

CATALOG #	PAGE #
N781	17
NA1006	32
NA1016	32
NA1024	32
NA1026	32
NA1034	32
NA1036	32
NA1054	32
NA1056	32
NA1074	32
NA1076	32
NAL1006	32
NAL1016	32
NAL1024	32
NAL1026	32
NAL1034	32
NAL1036	32
NAL1054	32
NAL1056	32
NAL1076	32
PD6002	39
PD6004	39
PD6006	39
S10P1AC	102
S10P1ACR	102
S10P1GC	102
S10P1GCR	102
S10P2AC	102
S10P2ACR	102
S10P2GC	102
S10P2GCR	102
S15P1ACR	102
S15P1GCR	102
S15P2ACR	102
S15P2GCR	102
S20P1ACR	102
S20P1GCR	102
S20P2ACR	102
S20P2GCR	102
S3P2AC	101
S3P2ACR	101
S3P2GC	101
S3P2GCR	101
S5P1AC	102
S5P1ACR	102
S5P1GC	102
S5P1GCR	102
S5P2AC	102
S5P2ACR	102
S5P2GC	102
S5P2GCR	102
S7P1AC	102
S7P1ACR	102
S7P1GC	102
S7P1GCR	102
S7P2AC	102
S7P2ACR	102
S7P2GC	102
S7P2GCR	102
T12C2J	63
T12C2J4	63
T12C2JC	65,94
T12C2JCR	94,66
T12C2ZCR	94,66
T12C3J	63
T12C3JCR	94,66
T12CA1JCR	94,66
T12CA2J	63
T12CA2JCR	94,66
T12CM1J	63

CATALOG #	PAGE #
T12CM2J	63
T12CM2JCR	94,66
T12S1ACR	100
T13C1J4	63
T13C2J	63
T13C2JC	65,94
T13C2JCR	94,66
T13C2P42ZCR	94,66
T13C3J	63
T13CA2JCR	94,66
T13CM2J	63
T13S1ACR	100
T13S2D42ZCR	100
T13S2GCR	100
T13S3DCR	100
T14C2JC	65,94
T14C2JCR	94,66
T14C2P4ZS	63
T14C3J	63
T14C3JCR	94,66
T14CM2J4	63
T14S3DCR	100
T1C1J	63
T1C1JC	65,94
T1C2J14	63
T1C2J14C	65,94
T1C2J14CR	94,66
T1C2JCR	95,66
T1C2JH	63
T1C2JHC	65,94
T1C2Z	63
T1C3JCR	95,66
T1C3JH	63
T1CA1J	63
T1CA1JCR	94,66
T1CA2J14	63
T1CA2J14CR	94,66
T1CA2JCR	95,66
T1CA2JH	63
T1CA2ZC	65,94
T1CM1J	63
T1CM2J14	63
T1CM2J14CR	94,66
T1CM2JH	63
T1CM2ZC	65,94
T2C1J14	64
T2C1J14C	65,95
T2C1J14CR	95,66
T2C1JH	64
T2C2J14	64
T2C2J14C	65,95
T2C2J14CR	95,66
T2C2JCR	95,66
T2C2JH	64
T2C2JHC	65,95
T2C2P18	64
T2C2P21Z	64
T2CA2J14	64
T2CA2J14CR	95,66
T2CA2JCR	95,66
T2CA2JH	64
T2CM1J14	64
T2CM1JH	64
T2CM2J14	64
T2CM2JCR	95,66
T2CM2JH	64
T2P1ACR	101
T32C1J14	63
T32C1J14CR	95,66
T32C1JH	63

CATALOG #	PAGE #
T32C1JHC	65,95
T32C2J14	63
T32C2J14C	65,95
T32C2J14CR	95,66
T32C2JCR	95,66
T32C2JH	63
T32C2JHC	65,95
T32C2P18Z	63
T32CA1JCR	95,66
T32CA2J14	63
T32CA2JCR	95,66
T32CA2JH	63
T32CM1JH	63
T32CM2JCR	95,66
T32CM2JH	63
T32P1ACR	101
T34C1J	63
T34C1JC	65,94
T34C2J	63
T34C2JC	65,94
T34C2JCR	94,66
T34C2Z	63
T34C2ZCR	94,66
T34C3JCR	94,66
T34C3JH	63
T34CA1J	63
T34CA1JCR	94,66
T34CA2J	63
T34CA2JCR	94,66
T34CM1J	63
T34CM2J	63
T34CM2JCR	94,66
T3C1P18	64
T3C2P18	64
T3P1ACR	101
T5C1K18	64
T5C1K18C	65,95
T5C2K21	64
T5C2K21Z	64
T7C1K21	64
T7C2K21	64
U10D10C	85
U10L9C	85
U10P1D	82
U10P1DC	83,102
U10P1DCR	84
U10P1G	82
U10P1GC	83,102
U10P1H	82
U10P2D	82
U10P2DC	83,102
U10P2DCR	84
U10P2G	82
U10P2GC	83,102
U10P2GCR	84
U10P2H	82
U10P3D	82
U10P3DC	83,102
U10P3DCR	84
U10P3G	82
U10P3H	82
U10R9C	85
U12P1GC	100
U12P2DCR	100
U12P2GC	100
U12P2GCR	100
U12P3GC	100
U12S2ACR	100
U12S3ACR	100
U13P2GC	100

Index
Sorted by Catalog Number

CATALOG #	PAGE #
U13P3GC	100
U13S2ACR	100
U14P2GC	100
U14P3GC	100
U14S2DCR	100
U15D10C	85
U15L9C	85
U15P1AF	82
U15P1D	82
U15P1DC	83,102
U15P1DCR	84
U15P1DFC	83,102
U15P1DFCR	84
U15P1G	82
U15P1GC	83,102
U15P1H	82
U15P2D	82
U15P2DC	83,102
U15P2DCR	84
U15P2G	82
U15P2GCR	84
U15P2H	82
U15R9C	85
U1L9C	85
U1P1DC	100
U1P1DCR	100
U1P1GC	100
U1P1GCR	100
U1P2D	81
U1P2DC	100
U1P2DCR	100
U1P2DFC	100
U1P2DFCR	100
U1P2GC	100
U1P2GCR	100
U1P2GFC	100
U1P2GFCR	100
U1P3DC	101
U1P3DFC	101
U1P3GC	101
U1P3GFC	101
U1P3GFCR	101
U1P4D	81
U1R9C	85
U20L9C	85
U20P1D	82
U20P1DC	83,102
U20P1DCR	84
U20P1G	82
U20P1GC	83,102
U20P1H	82
U20P2D	82
U20P2DC	83,102
U20P2DCR	84
U20P2G	82
U20P2H	82
U20R9C	85
U25L9C	85
U25P1D	82
U25P1DC	83,102
U25P1DCR	84
U25P1DS	82
U25P1G	82
U25P1GS	82
U25P1H	82
U25P1HS	82
U25P2D	82
U25P2DC	83,102
U25P2DCR	84
U25P2DS	82
U25P2G	82
U25P2GS	82
U25P2H	82
U25P2HS	82
U2D10C	85
U2L9C	85
U2P1DC	101
U2P1DFC	101
U2P1GC	101
U2P1GFC	101
U2P1GFCR	101
U2P2D	81
U2P2DC	101
U2P2DCR	101
U2P2DFC	101
U2P2DFCR	101
U2P2G	81
U2P2GC	101
U2P2GCR	101
U2P2GFC	101
U2P2GH	81
U2P2GHZ	81
U2P2H	81
U2P3D	81
U2P3DC	83,101
U2P3DCR	84
U2P3G	81
U2P3GC	83,101
U2P4D	81
U2R9C	85
U30P2D	82
U30P2DC	83,102
U30P2DCR	84
U30P2DS	82
U30P2G	82
U30P2H	82
U32D10C	85
U32L9C	85
U32P1A14CR	101
U32P1DC	101
U32P1DFC	101
U32P1GC	101
U32P1GCR	101
U32P1GFC	101
U32P1GFCR	101
U32P2D	81
U32P2DC	101
U32P2DCR	101
U32P2DFC	101
U32P2DFCR	101
U32P2GC	101
U32P2GCR	101
U32P2GFC	101
U32P2GFCR	101
U32P2HC	101
U32P3D	81
U32P3DC	83,101
U32P3DCR	84
U32P3G	81
U32P3GC	83,101
U32P3H	81
U32P4D	81
U32R9C	85
U34P1GC	100
U34P1GCR	100
U34P2DCR	100
U34P2GC	100
U34P2GCR	100
U34P3G14C	100
U34P3GC	100
U34P3GCR	100
U34S1ACR	100
U34S2ACR	100
U34S3ACR	100
U3L9C	85
U3P1A14CR	101
U3P1AFC	101
U3P1D	81
U3P1DC	83,101
U3P1DCR	84
U3P1DFC	101
U3P1DK	83,101
U3P1DKR	84
U3P1G	81
U3P1G14C	101
U3P1GC	83,101
U3P1GCR	101
U3P1GFC	101
U3P1GFCR	101
U3P1H	81
U3P2D	81
U3P2DC	83,101
U3P2DCR	84
U3P2DK	83,101
U3P2DKR	84
U3P2G	81
U3P2GC	83,101
U3P2GCR	84
U3P2H	81
U3P3D	81
U3P3DC	83,101
U3P3DCR	84
U3P3G	81
U3P3H	81
U3P4D	81
U3R9C	85
U5L9C	85
U5P1D	81
U5P1DC	83,102
U5P1DCR	84
U5P1DK	83,102
U5P1DKR	84
U5P1G	81
U5P1GC	83,102
U5P1H	81
U5P2D	81
U5P2E	81
U5P2DC	83,102
U5P2DCR	84
U5P2DK	83,102
U5P2DKR	84
U5P2G	81
U5P2GC	83,102
U5P2GCR	84
U5P2H	81
U5P2HK	83,102
U5P3D	81
U5P3DC	83,102
U5P3DCR	84
U5P3G	81
U5P3GC	83,102
U5P3H	81
U5P4D	81
U5R9C	85
U7D10C	85
U7L9C	85
U7P1AF	81
U7P1D	81
U7P1DC	83,102
U7P1DCR	84
U7P1G	81
U7P1GC	83,102
U7P1GF	81
U7P1H	81
U7P2D	82
U7P2DC	83,102
U7P2DCR	84
U7P2G	82
U7P2GC	83,102
U7P2GCR	84
U7P2H	82
U7P3D	82
U7P3DC	83,102
U7P3DCR	84
U7P3G	82
U7P3GC	83,102
U7P3H	82
U7P4D	82
U7R9C	85
UEH0057LUGA54S	49
UEH0070LUEA44M	51
UEM0016XUGA54S	49
UEM0023LUEA54S	49
UEM0024LUGA54S	49
UEM0024XUEA44M	51
UEM0028LUEA54S	49
UEM0031LUGA54S	49
UEM0031XUEA44M	51
UEM0034LUEA54S	49
UEM0034LUGA54S	49
UEM0035XUEA44M	51
UEM0039XUEA54S	49
UEM0047XUEA54S	49
UEM0054XUEA44M	51
UEM0063XUEA44M	51
UEM0065XUEA44M	51
UFF0025XZGA24S	49
UFF0025XZGA44S	49
UFF0026XZEA24M	50
UFF0026XZEA44M	50
UFF0027XZGA24S	49
UFF0027XZGA44S	49
UFF0031XZGA24M	50
UFF0031XZGA44M	50
UFF0036XZGA24S	49
UFF0036XZGA44S	49
UFF0039XZEA24M	50
UFF0039XZEA44M	50
UFF0042XUEA44M	51
UFF0044XZGA24S	49
UFF0044XZGA44S	49
UFF0048XZGA24M	50
UFF0048XZGA44M	50
UFF0049XUEA44M	51
UJ10C1K21M	105
UJ10C1K21P	105
UJ10C2K21M	105
UJ10C2K21P	105
UJ10P1DJ	111
UJ10P1DM	109
UJ10P1DP	111
UJ10P1GM	109
UJ10P2DJ	111
UJ10P2DM	109
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UJ10P2GP	111
UJ15P1DFJ	111
UJ15P1DFM	110
UJ15P1DFP	111

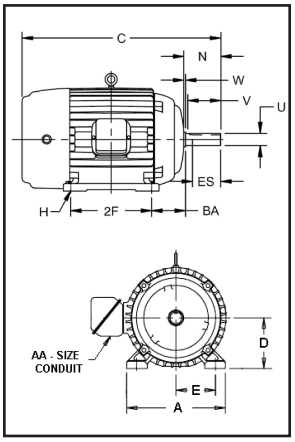
Index
Sorted by Catalog Number

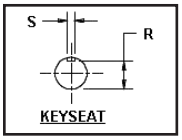
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UJ15P1GFM	110
UJ15P1GM	110
UJ15P2DM	110
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UJ15P2GM	110
UJ15P2GP	111
UJ1P1BM	109
UJ1P1GM	109
UJ1P2DM	109
UJ1P2DP	110
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UJ1P2GP	110
UJ20P1DM	110
UJ20P1DP	111
UJ20P1GM	110
UJ20P2DM	110
UJ20P2DP	111
UJ20P2GM	110
UJ20P2GP	111
UJ25P1DFM	110
UJ25P1DFP	111
UJ25P1DM	110
UJ25P1DP	111
UJ25P1GFM	110
UJ25P2DM	110
UJ25P2DP	111
UJ2P1DM	109
UJ2P1DP	110
UJ2P1GM	109
UJ2P2DM	109
UJ2P2DP	110
UJ2P2GM	109
UJ2P2GP	110
UJ30P2DM	110
UJ30P2DP	111
UJ32P1DM	109
UJ32P1GM	109
UJ32P2DM	109
UJ32P2DP	110
UJ32P2GM	109
UJ32P2GP	110
UJ3C1P18M	105
UJ3C2P18M	105
UJ3C2P18P	105
UJ3P1DFM	109
UJ3P1DFP	110
UJ3P1DM	109
UJ3P1DP	110
UJ3P1GFM	109
UJ3P1GM	109
UJ3P2DM	109
UJ3P2DP	110
UJ3P2GM	109
UJ3P2GP	110
UJ5C1K18M	105
UJ5C1K18P	105
UJ5C2K21M	105
UJ5C2K21P	105
UJ5P1DM	109
UJ5P1DP	110
UJ5P1GM	109
UJ5P2DM	109
UJ5P2DP	110
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UJ7C1K21P	105
UJ7C2K21M	105

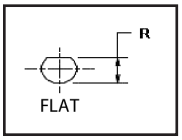
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UJ7P2GM	109
UJ7P2GP	110
UNE0033LGGA24S	49
UNE0033LGGA44S	49
UNE0035LGGA24M	50
UNE0035LGGA44M	50
UNE0037MGGA24S	49
UNE0037MGGA44S	49
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UNE0048LGGA24S	49
UNE0048LGGA44S	49
UNE0050MGEA24M	50
UNE0050MGEA44M	50
UNE0052LGEA24M	50
UNE0052LGEA44M	50
UNE0060LGGA24S	49
UNE0060LGGA44S	49
UNE0061MZEA24M	50
UNE0061MZEA44M	50
UNE0064MUGA44M	51
UNE0069MGEA24M	50
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UNE0069MZEA24M	50
UNE0069MZEA44M	50
UNE0070LGEA24M	50
UNE0070LGEA44M	50
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UNE0077MGEA44M	50
UNE0078XUEA44M	51
UNE0080LGEA24M	50
UNE0080LGEA44M	50
UNE0090LGEA24M	50
UNE0090LGEA44M	50
UNE0090XUEA44M	51
UNE0098XUEA44M	51
US5460	14
US5461	14
US5462H	14
US5464H	14

NEMA Dimension Guide

Dimensions for AC Foot-Mounted Motors with Single Straight-Shaft Extension







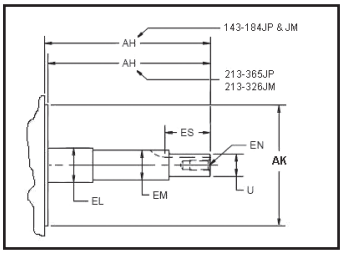
Frame	A Max	D	E	2F	BA	H	U	N-W	V Min.	Keyseat R	Keyseat ES Min.	Keyseat S	AA Min.
42	—	2.62	1.75	1.69	2.06	0.28 slot	0.375	1.12	—	0.328	—	flat	—
48	—	3.00	2.12	2.75	2.50	0.34 slot	0.500	1.50	—	0.453	—	flat	—
48H				4.75									
56	—	3.50	2.44	3.00	2.75	0.34 slot	0.625	1.88	—	0.517	1.41	0.188	—
56H				5.00									
143T	7.00	3.50	2.75	4.00	2.25	0.34 hole	0.875	2.25	2.00	0.771	1.41	0.188	3/4
145T				5.00									
182	9.00	4.50	3.75	4.50	2.75	0.41 hole	0.875	2.25	2.00	0.771	1.41	0.188	3/4
184				5.50									
182T				4.50			1.125	2.75	2.50	0.986	1.78	0.250	
184T				5.50									
213	10.50	6.25	5.00	5.50	4.25	0.53 hole	1.125	3.00	2.75	0.986	2.03	0.250	3/4
215				7.00									
213T				5.50			1.375	3.38	3.12	1.201	2.41	0.312	1
215T				7.00									
254U	12.50	5.25	4.25	8.25	3.50	0.41 hole	1.375	3.75	3.50	1.201	2.78	0.312	1
256U				10.00									
254T				8.25			1.625	4.00	3.75	1.416	2.91	0.375	1-1/4
256T				10.00									
284U	14.00	7.00	5.50	9.50	4.75	0.53 hole	1.625	4.88	4.63	1.416	3.78	0.375	1-1/4
286U				11.00									
284T				9.50			1.875	4.62	4.38	1.591	3.28	0.500	1-1/2
286T				11.00									
284TS				9.50			1.625	3.25	3.00	1.416	1.91	0.375	1-1/2
286TS				11.00									
324U	16.00	8.00	6.25	10.50	5.25	0.66 hole	1.875	5.63	5.38	1.591	4.28	0.500	1-1/2
326U				12.00									
324US				10.50			1.625	3.25	3.00	1.416	1.91	0.375	
326US				12.00									
324T				10.50			2.125	5.25	5.00	1.845	3.91	0.500	2
326T				12.00									
324TS				10.50			1.875	3.75	3.50	1.591	2.03		
326TS				12.00									
364U	18.00	9.00	7.00	11.25	5.88	0.66 hole	2.125	6.38	6.13	1.845	5.03	0.500	2
365U				12.25									
364US				11.25			1.875	3.75	3.50	1.591	2.03		
365US				12.25									
364T				11.25			2.375	5.88	5.62	2.021	4.28	0.625	3
365T				12.25									
364TS				11.25			1.875	3.75	3.50	1.591	2.03	0.500	
365TS				12.25									
404U	20.00	10.00	8.00	12.25	6.62	0.81 hole	2.375	7.13	6.88	2.021	5.53	0.625	2
405U				13.75									
404US				12.25			2.125	4.25	4.00	1.845	2.78	0.500	
405US				13.75									
404T				12.25			2.875	7.25	7.00	2.450	5.65	0.750	3
405T				13.75									
404TS				12.25			2.125	4.25	4.00	1.845	2.78	0.500	
405TS				13.75									
444U	22.00	11.00	9.00	14.50	7.50	0.81 hole	2.875	8.63	8.38	2.450	7.03	0.750	2-1/2
445U				16.50									
444US				14.50			2.125	4.25	4.00	1.845	2.78	0.500	
445US				16.50									
444T				14.50			3.375	8.50	8.25	2.880	6.91	0.875	3
445T				16.50									
447T				20.00									
449T				25.00									
444TS				14.50			2.375	4.75	4.50	2.021	3.03	0.625	
445TS				16.50									
447TS				20.00									
449TS				25.00									
5004	25.00	12.50	10.00	16.00	8.50	0.94 hole	3.875	11.63	11.25	3.309	10.00	1.000	—
5004G							3.500	10.50	10.19	3.007	9.00	0.875	—
5004S							2.875	5.75	5.50	2.450	4.13	0.750	—
5004SS							2.375	4.75	4.50	2.021	3.13	0.625	—
5006L	28.50			20.00			4.875	14.63	14.38	4.168	12.88	1.250	—
5006S							2.875	5.75	5.50	2.450	4.00	0.750	—
5006MS							3.375	6.75	6.50	2.880	5.00	0.875	—
5008	25.00			25.00			3.875	11.63	11.25	3.309	10.00	1.000	—
5008G							3.500	10.50	10.19	3.007	9.00	0.875	—
5008L	28.50						4.875	14.63	14.38	4.168	12.88	1.250	—
5008S	25.00[1]						2.875	5.75	5.50	2.450	4.131	0.750	—
	28.50[2]										4.00[2]		
5008MS	28.50						3.375	6.75	6.50	2.880	5.00	0.875	—
5008SS	25.00[1]						2.375	4.75	4.50	2.021	3.13[1]	0.625	—
	28.50[2]										3.00[2]		
5010L	28.50			32.00			4.875	14.63	14.38	4.168	12.88	1.250	—
5010S							2.875	5.75	5.50	2.450	4.00	0.750	—
5010MS							3.375	6.75	6.50	2.880	5.00	0.875	—
5010SS							2.375	4.75	4.50	2.021	3.00	0.625	—
5012L				40.00			4.875	14.63	14.38	4.168	12.88	1.250	—
5012S							2.875	5.75	5.50	2.450	4.00	0.750	—
5012MS							3.375	6.75	6.50	2.880	5.00	0.875	—
5012SS							2.375	4.75	4.50	2.021	3.00	0.625	—

1. Totally Enclosed Motors 2. Open Drip-Proof Motors

NEMA Dimension Guide *(continued)*

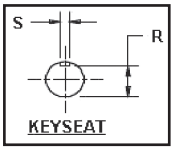
JP Shaft

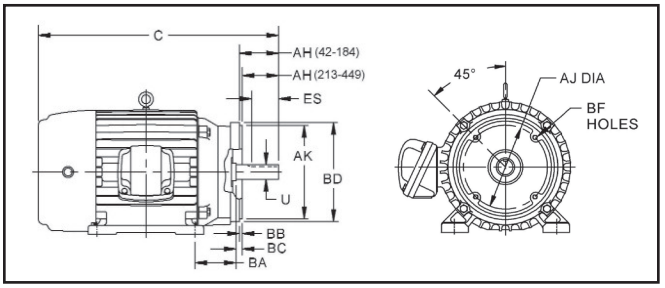
Frame	AH	U	EM	EL	EN	AK	Keyseat		
							R	ES Min.	S
143 145	7.313	0.8745	1.0000	1.156	3/8-16 x .75	4.500	0.771	1.65	0.188
182 184	7.313	0.8745	1.0000	1.250	3/8-16 x .75	4.500	0.771	1.65	0.188
213 215	8.125	1.2495	1.3750	1.750	3/8-16 x .75	8.500	1.112	1.65	0.250
254 256	8.125	1.2495	1.3750	1.750	1/2-13 x 1.00	8.500	1.112	2.53	0.250
284 286	8.125	1.2495	1.3750	1.750	1/2-13 x 1.00	12.500	1.112	2.53	0.250
324 326	8.125	1.2495	1.3750	1.750	1/2-13 x 1.00	12.500	1.112	2.53	0.250
364 365	8.125	1.6245	1.3750	1.750	1/2-13 x 1.00	12.500	1.416	2.53	0.250



JM Shaft

Frame	AH	U	EM	EL	EN	AK	Keyseat		
							R	ES Min.	S
143 145	4.250	0.8745	1.0000	1.156	3/8-16 x .75	4.500	0.771	1.65	0.188
182 184	4.250	0.8745	1.0000	1.250	3/8-16 x .75	4.500	0.771	1.65	0.188
213 215	4.250	0.8745	1.0000	1.250	3/8-16 x .75	8.500	0.771	1.65	0.188
254 256	5.250	1.2495	1.3750	1.750	1/2-13 x 1.00	8.500	1.112	2.53	0.250
284 286	5.250	1.2495	1.3750	1.750	1/2-13 x 1.00	12.500	1.112	2.53	0.250
324 326	5.250	1.2495	1.3750	1.750	1/2-13 x 1.00	12.500	1.112	2.53	0.250





Dimensions for Type C-Face AC Motors, Footed or Footless

Frame	AJ	AK	BA	BB Min.	BC	BD Max.	BF Hole			U	AH	Keyseat		
							Number	Tap Size	Bolt Penetration Allowance			R	ES Min.	S
42C	3.750	3.000	2.062	0.16	-0.19	5.00	4	1/4-20	0.188	0.375	1.312	0.328	—	flat
48C	3.750	3.000	2.50	0.16	-0.19	5.625	4	1/4-20	—	0.500	1.69	0.453	—	flat
56C	5.875	4.500	2.75	0.16	-0.19	6.50	4	3/8-16	—	0.625	2.06	0.515	1.41	0.188
143TC & 145TC	5.875	4.500	2.75	0.16	+0.12	6.50	4	3/8-16	—	0.875	2.12	0.771	1.41	0.188
182TC & 184TC	7.250	8.500	3.50	0.25	+0.12	9.00	4	1/2-13	0.56	1.125	2.62	0.986	1.78	0.250
182TCH & 184TCH	5.875	4.500	3.50	0.16	+0.12	6.50	4	3/8-16	0.75	1.125	2.62	0.986	1.78	0.250
213TC & 215TC	7.250	8.500	4.25	0.25	+0.25	9.00	4	1/2-13	0.56	1.375	3.12	1.201	2.41	0.312
254TC & 256TC	7.250	8.500	4.75	0.25	+0.25	10.00	4	1/2-13	0.75	1.625	3.75	1.416	2.91	0.375
284TC & 286TC	9.000	10.500	4.75	0.25	+0.25	11.25	4	1/2-13	0.75	1.875	4.38	1.591	3.28	0.500
284TSC & 286TSC	9.000	10.500	4.75	0.25	+0.25	11.25	4	1/2-13	0.75	1.625	3.00	1.416	1.91	0.375
324TC & 326TC	11.000	12.500	5.25	0.25	+0.25	14.00	4	5/8-11	0.94	2.125	5.00	1.845	3.91	0.500
324TSC & 326TSC	11.000	12.500	5.25	0.25	+0.25	14.00	4	5/8-11	0.94	1.875	3.50	1.591	2.03	0.500
364TC & 365TC	11.000	12.500	5.88	0.25	+0.25	14.00	4	5/8-11	0.94	2.375	5.62	2.021	4.28	0.625
364TSC & 365TSC	11.000	12.500	5.88	0.25	+0.25	14.00	8	5/8-11	0.94	1.875	3.50	1.591	2.03	0.500
404TC & 405TC	11.000	12.500	6.62	0.25	+0.25	15.50	8	5/8-11	0.94	2.875	7.00	2.450	5.65	0.750
404TSC & 405TSC	11.000	12.500	6.62	0.25	+0.25	15.50	8	5/8-11	0.94	2.125	4.00	1.845	2.78	0.500
444TC & 445TC	14.000	16.000	7.50	0.25	+0.25	18.00	8	5/8-11	0.94	3.375	8.25	2.880	6.91	0.875
444TSC & 445TSC	14.000	16.000	7.50	0.25	+0.25	18.00	8	5/8-11	0.94	2.375	4.50	2.021	3.03	0.625
447TC & 449TC	14.000	16.000	7.50	0.25	+0.25	18.00	8	5/8-11	0.94	3.375	8.25	2.880	6.91	0.875
447TSC & 449TSC	14.000	16.000	7.50	0.25	+0.25	18.00	8	5/8-11	0.94	2.375	4.50	2.021	3.03	0.625
5000 Frame Series	14.500	16.500	—	0.25	+0.25	18.00	4	5/8-11	0.94	—	—	—	—	—

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