

CDHAM-36-O

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Outdoor unit model CDHAM-36-O

Certified

UL



AHRI


OUTDOOR UNIT DATA
Power supply

Normal Operational Voltage (V, Ph, Hz) 208/230, 1, 60
 Voltage Range (V) 187-253

Electrical

Minimum circuit ampacity (A) 40.0
 Max.fuse (A) 60.0

Outdoor fan motor

Model ZKFN-85-8-22-5
 Qty 2
 Input (W) 126.0
 RLA (A) 1.0 + 1.0
 Speed (r/min) 800/700/600

REFRIGERANT PIPE DATA

Design pressure (PSIG) 550/340
 Refrigerant Type (Oz) R410A/162
 Refrigerant precharge (ft) 98
 (m) 30.0
 Additional charge for each ft-
 Φ6.35 (1/4") liquid pipe (oz/ft) 0.161
 Additional charge for each ft-
 Φ9.52 (3/8") liquid pipe (oz/ft) 0.322
 Liquid side/ Gas side (inch) 4 x 1/4"/3 x 3/8" + 1 x 1/2"
 (mm) Φ6.35/3 x Φ9.52 + 1 x Φ12.7
 Max. length for all rooms (ft) 262
 Max. length for one indoor unit (ft) 115
 Max. height difference
 between indoor and outdoor
 unit (ft) 49
 Max. height difference
 between indoor units (ft) 33

OUTDOOR UNIT DATA
Compressor

Model ATQ360D1UMU
 Type ROTARY
 Brand GMCC
 Capacity (Btu/h) 38214
 Input (W) 3040
 Rated current (RLA) (A) -
 Refrigerant oil/oil charge (ml) VG74/1400
 Throttle Capillary +EXV

Air flow & Noise level

Outdoor air flow (Max.) (CFM) 4500.00
 Outdoor noise level [dB(A)] 63

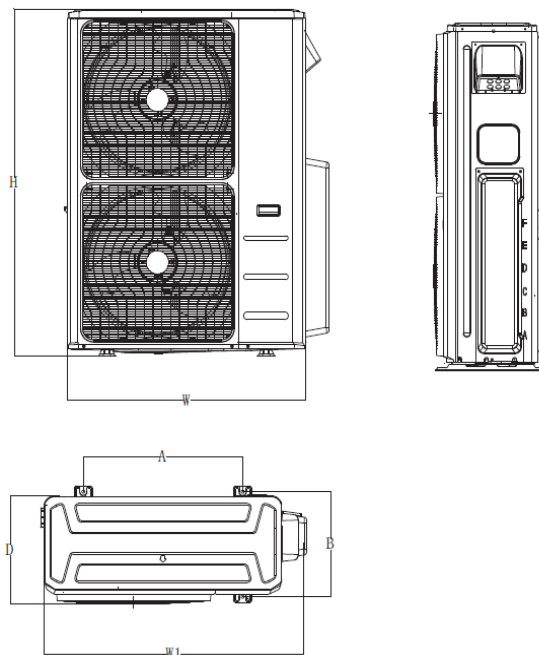
Outdoor unit

Dimension (W×D×H) (inch) 37.48x16.34x52.48
 (mm) 952x415x1333
 Packing (W×D×H) (inch) 43.11x19.49x58.27
 (mm) 1095x495x1480

Net/ Gross weight (lbs.) 223.11/253.97
 (kg) 101.2/115.2

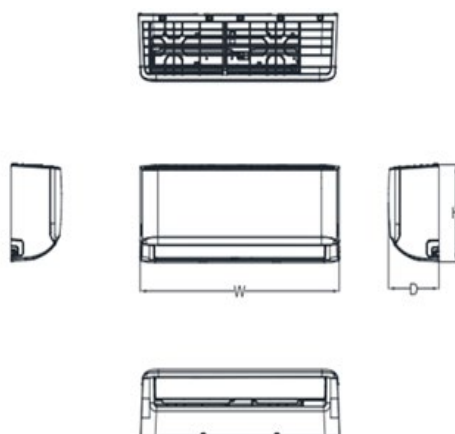
Outdoor(cooling/heating) (Deg. °F) -22~-122/ -22~-86
 (Deg. °C) -30~50/ -30~30

Outdoor unit dimension



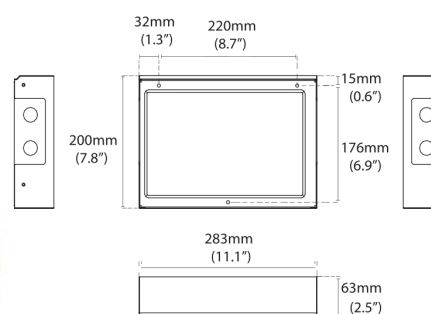
Unit	W	D	H	W1	A	B
mm	952	415	1333	1060	634	404
inch	37.5	16.3	52.5	41.7	25.0	15.9

Indoor unit dimension



Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
12K~21K	C	971/38.23	228/8.98	321/12.64
18K~28K	D	1082/42.6	234/9.21	337/13.27
27K~36K	F	1259/49.57	283/11.14	362/14.25

24V INTERFACE KIT



Hyper Heat MULTI INDOOR UNITS COMBINATION RULE

Multi DC Outdoor Unit		Avaliable Indoor	Two units		Three units			Four units				
			Unit 1	Unit 2	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Unit 4	
Hyper 1 drive 4	CDHAM-36-O	Wall mounted CDHAS22: 9K/12K/18K/24K	6	18	6	6	12	6	6	6	6	
			6	24	6	6	18	6	6	6	9	
			9	18	6	6	24	6	6	6	6	12
			9	24	6	9	12	6	6	6	6	18
			12	12	6	9	18	6	6	6	6	24
			12	18	6	9	24	6	6	6	9	9
			12	24	6	12	12	6	6	9	9	12
			18	18	6	12	18	6	6	9	9	18
			18	24	6	12	24	6	6	9	9	24
			24	24	6	18	18	6	6	12	12	12
					6	18	24	6	6	12	18	18
					9	9	9	6	6	12	24	24
					9	9	12	6	9	9	9	9
					9	9	18	6	9	9	9	12
					9	9	24	6	9	9	9	18
					9	12	12	6	9	9	9	24
					9	12	18	6	9	12	12	12
					9	12	24	6	9	12	18	18
					9	18	18	6	12	12	12	12
					12	12	12	6	12	12	18	18
					12	12	18	9	9	9	9	9
					12	12	24	9	9	9	9	12
					12	18	18	9	9	9	9	18
								9	9	12	12	12
								9	9	12	18	18
								9	12	12	12	12
								12	12	12	12	12

Note:	If total indoor units load exceeds nominal capacity of outdoor unit, the practical output capacity of each indoor unit will be Rules: Outdoor unit Capacity*0.66<= Indoor unit total capacity <= Outdoor unit Capacity 1.33
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