

TECHNICAL SPECIFICATIONS

AIR HANDLER SERIES 2 & 3 TON

18 SEER

FEATURES AND BENEFITS

- Multi-speed Constant Torque (CT) ECM blower motor
- Flex Fit installation options: horizontal left and right and vertical upflow
- All Aluminum A-Coil
- Dual front panel design for ease of maintenance - blower and coil easy slide out for ease of maintenance
- Fully-insulated cabinet design
- Integrated filter rack with tool-less door access

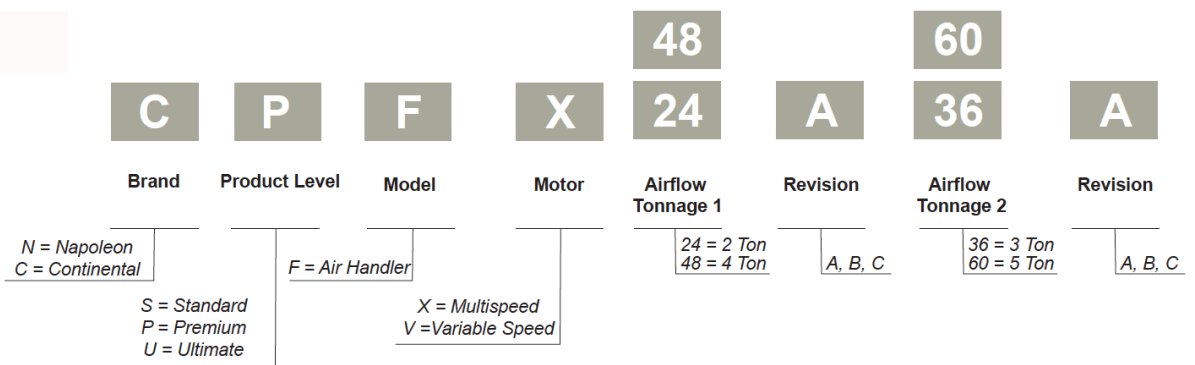


PART ID	CPFX24A36A*	CPFX48A60**
DIMENSIONS		
Width (in)	21 3/4	24 3/4
Height (in)	48 3/4	57
Depth (in)	21 3/4	21 3/4
Plenum Opening Length (in)	20	20
Plenum Opening Width (in)	11 1/8	11 1/8
Weight (Lbs)	157	203

*CPFX24A36A when configured as 3 Ton and CPFX24A when configured as 2 Ton
 **CPFX48A60A when configured as 5 Ton and CPFX48A when configured as 4 Ton



NEW 18 SEER AIR HANDLERS NOMENCLATURE



18 SEER AIR HANDLERS SPECIFICATIONS

SYSTEM DATA

Indoor SKU	CPFX24A	CPFX24A36A	CPFX48A	CPFX48A60A
Outdoor SKU	CS18HV24A36	CS18HV24A36	CS18HV48A60	CS18HV48A60
AHRI Number	207335552	207335553	207335554	207335555
Cooling Capacity (BTU/H)	24000	36000	48000	54000
Heating Capacity (BTU/H)	24000	36000	48000	54000
Power Supply (V, Ph, Hz)	208-230V, 1Ph, 50/60Hz	208-230V, 1Ph, 50/60Hz	208-230V, 1Ph, 50/60Hz	208-230V, 1Ph, 50/60Hz
SEER	20	18	18	17
EER	12.5	10	11.5	10.5
HSPF Rating (Region IV)	10.5	10	10.5	10
Gas Pipe (mm/inch)	19/ (3/4)	19 3/4	19 3/4	19 3/4
Liquid Pipe (mm/inch)	9.52/(3/8)	9.52/(3/8)	9.52/(3/8)	9.52/(3/8)
Standard Pipe Length (m/ft)	7.5/24.6	7.5/24.6	7.5/24.6	7.5/24.6
Max Refrigerant Pipe Length between Indoor & Outdoor (m/ft)	30/98.4	30/98.4	30/98.4	30/98.4
Max Vertical Height Difference between Indoor & Outdoor (m/ft)	15/49.2	15/49.2	15/49.2	15/49.2
Connection Method	Flare nut (standard), Brazed (Optional)	Flare nut (standard), Brazed (Optional)	Flare nut (standard), Brazed (Optional)	Flare nut (standard) Brazed (Optional)
Refrigerant Gas	R410A	R410A	R410A	R410A

UNIT DATA

Model Number	CPFX24A36A	CPFX24A36A	CPFX48A60A	CPFX48A60A
Air Flow Volume (m ³ /h/cfm)	1630/960	1700/1000	2350/1380	2720 /1600
ESP Range (In.w.g/Pa)	0.1/25 (0/0~1/250)	0.15/37 (0/0~1/250)	0.2/50 (0/0~1/250)	0.2/50 (0/0~1/250)
Sound Pressure Level (dB(A))	45	47	50	51
Supplemental Electric Heat (Optional) (kW)	5 kW/ 8 kW/ 10kW	5 kW/ 8 kW/ 10kW	10 kW/ 15 kW/ 20kW	10 kW/ 15 kW/ 20kW
Dehumidification (pt/hr)	3.06	9.7	9.94	12.13
Minimum - Maximum Voltage (V)	187-253	187-253	187-253	187-253
Control Voltage (V)	24	24	24	24
Rated Current Cooling (A)	3	3	5	5
Rated Current Heating (A)	3	3	5	5
MCA	4	4	8	8
MOP	15	15	15	15
MCA with Electric Heater	5kW:27/30 (208/240V) 8kW:40/46 (208/240V) 10kW:49/56 (208/240V)	5kW:27/30 (208/240V) 8kW:40/46 (208/240V) 10kW:49/56 (208/240V)	10kW:53/59 (208/240V) 15kW:53+24/59+28 (208/240V) 20kW:53+53/59+59 (208/240V)	10kW:53/59 (208/240V) 15kW:53+24/59+28 (208/240V) 20kW:53+53/59+59 (208/240V)
MOP with Electric Heater	5kW:30/30 (208/240V) 8kW:45/50 (208/240V) 10kW:60/60 (208/240V)	5kW:30/30 (208/240V) 8kW:45/50 (208/240V) 10kW:60/60 (208/240V)	10kW:60/60 (208/240V) 15kW:60+30/60+30 (208/240V) 20kW:53+53/59+59 (208/240V)	10kW:60/60 (208/240V) 15kW:60+30/60+30 (208/240V) 20kW:60+60/60+60 (208/240V)
External Dimensions (HxWxD) (mm/inch)	1224×540×540 (48-1/4×21-1/4×21-1/4)	1224×540×540 (48-1/4×21-1/4×21-1/4)	1448×630×540 57×24-3/4×21-1/4)	1448×630×540 (57×24-3/4×21-1/4)
Net Weight (kg/ lbs)	71.0/156.5	71.0/156.5	71.0/156.5	71.0/156.5
Gross Weight (kg/ lbs)	77.0/169.8	77.0/169.8	99/218	99/218
Operation Temperature for Cooling (°C / °F)	18~27/(64.4~80.6)	18~27/(64.4~80.6)	18~27/(64.4~80.6)	18~27/(64.4~80.6)
Operation Temperature for Heating (°C / °F)	20~27/(68.0~80.6)	20~27/(68.0~80.6)	20~27/(68.0~80.6)	20~27/(68.0~80.6)
Indoor Fan Motor Full Load AMPS (A)	3	3	5	5
Indoor Fan Motor Rated (HP)	1/2	1/2	1	1
Strong Heating at Low Ambient	100% Heating Capacity down to -5°F (-20°C)	100% Heating Capacity down to 19.4°F (-7°C)	100% Heating Capacity down to 14°F (-10°C)	100% Heating Capacity down to 23°F (-5°C)
Strong Cooling at High Ambient	100% Cooling Capacity up to 115°F (46°C)	100% Cooling Capacity up to 104°F (40°C)	100% Cooling Capacity up to 109.4°F (43°C)	100% Cooling Capacity up to 104°F (40°C)