

# TECHNICAL SPECIFICATIONS

## AIR HANDLER SERIES 2 TO 5 TON

# SEER2

### FEATURES AND BENEFITS

- Multi-speed Constant Torque (CT) ECM blower motor
- Flex Fit installation options: horizontal left and right and vertical up low
- 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

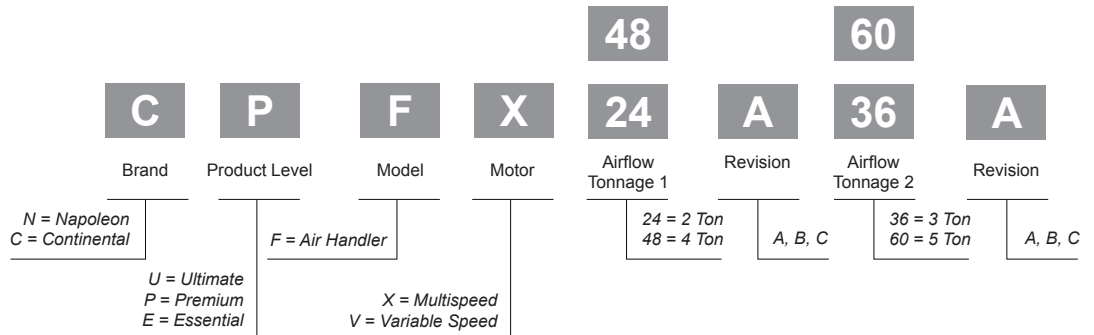


PART ID	CPF24A36A*	CPF48A60**
<b>DIMENSIONS</b>		
Width (in)	21 ¼	24 ¾
Height (in)	48 ¾	57
Depth (in)	21 ¼	21 ¼
Plenum Opening Length (in)	20	20
Plenum Opening Width (in)	11 ½	11 ½
Weight (Lbs)	157	203

\*CPF24A36A when configured as 3 Ton and CPF24A when configured as 2 Ton  
 \*\*CPF48A60A when configured as 5 Ton and CPF48A when configured as 4 Ton



### AIR HANDLER NOMENCLATURE



# SEER2 AIR HANDLERS SPECIFICATIONS

## SYSTEM DATA

Indoor SKU	CPFX24A	CPFX24A36A	CPFX48A	CPFX48A60A
Outdoor SKU	WSEHV2436RA1-C	WSEHV2436RA1-C	WSEHV4860RA1-C	WSEHV4860RA1-C
AHRI Number	211624977	211624978	211624979	211624980
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
SEER2	17	16	17	15.8
EER2	12	10	11	10
HSPF2 Rating (Region IV)	9	9	9	9
HSPF2 Rating (Region V)	7	7	7	7
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	CPFX24A	CPFX24A36A	CPFX48A	CPFX48A60A
Air Flow Volume (m <sup>3</sup> /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/15kW	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) 15kW:53+24/59+28(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:40/50(208/240V) 10kW:50/60(208/240V)	5kW:30/30(208/240V) 8kW:40/50(208/240V) 10kW:50/60(208/240V) 15kW:60+25/60+30(208/240V)	10kW:60/60(208/240V) 15kW:60+25/60+30(208/240V) 20kW:60+60/60+60(208/240V)	10kW:60/60(208/240V) 15kW:60+25/60+30(208/240V) 20kW:60+60/60+60(208/240V)
External Dimensions (HxWxD) (mm/inch)	1224x540x540 (48-1/4x21-1/4x21-1/4)	1224x540x540 (48-1/4x21-1/4x21-1/4)	1448x630x540 (57x24-3/4x21-1/4)	1448x630x540 (57x24-3/4x21-1/4)
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)