

ComfortStar®

Air Conditioning & Heating Products

THE EASY FIT™

24 VOLT CENTRAL HEAT PUMP SYSTEMS



CPR3 & CPH3 Series **INVERTER**

UP TO **19 SEER2**

10 YEARS
WARRANTY
PARTS

10 YEARS
WARRANTY
COMPRESSOR



CPR3 Series
Low Ambient
Temperature -13 °F

CPH3 Series
Low Ambient
Temperature -22 °F



Comfort, it's in our name.

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TABLE OF CONTENTS:

CPR3 Series Condensing Unit		CWM3-SG3 Series Wall Mounted Air Handler	
- Features	04	- Features	22
- Specifications	05	- Specifications	25-25
- Unit Dimensions	06	- Unit Dimensions	26
CPH3 Series Condensing Unit		CPK3-SG3 Series Ceiling Fan Coil	
- Specifications	08	- Features	28
- Unit Dimensions	09	- Specifications	29-31
		- Unit Dimensions	32
AHU3-SG3 Series Universal Multi-Position Air Handler		AC3-SG3 Series Cased Coil	
- Features	11	- Features	34
- Specifications	12-14	- Specifications	35-40
- Unit Dimensions	15	- Unit Dimensions	41
SEF3-SG3 Series Skinny Air Handler		- Installation	42-44
- Features	17	- Controls	45-46
- Specifications	18-19	- Match Up Tables CPR3	47-48
- Unit Dimensions	20	- Match Up Tables CPH3	49-50



THE EASY FIT™

CPR3 & CPH3 Series

INVERTER

Central Heat Pump Systems

- 24 Volt
- Replace existing R410A heat pump systems without the necessity to alter or change the current line sets or wiring.

Features:

- Refrigerant Leak Detection
- Easy-to-Connect 24V ODU Connection Board
- Smaller Outdoor Condensers for 24V Heat Pump Systems
- Integrated Connection Pipes and Valves for 24V Heat Pump
- Dual Voltage, Easy Upgrade
- Compatible with 485 or 24V
- More Replacement Options



CPR3 & CPH3 System

Low Noise Level:



Conventional System



THE EASY FIT™

CPR3 Series

Central Heat
Pump Systems

18,000 Thru 60,000 btu
**LOW AMBIENT
TEMPERATURE -13 °F**



CPR3 Series Condensing Unit

INVERTER



SPECIFICATIONS 18,000 Thru 60,000 btu

Outdoor Unit			CPR3-18CD(0)	CPR3-24CD(0)	CPR3-30CD(0)	CPR3-36CD(0)	CPR3-48CD(0)	CPR3-60CD(0)
Power Supply	Volts; Hz; Phase		208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	54000
	Input	W	1635	2181	2778	3600	4800	6200
Heating	Capacity	Btu/h	18000	26000	31000	36000	48000	54000
	Input	W	1675	2396	2595	3100	4085	4650
Outdoor Minimum Circuit Ampacity		A	16	19	22.5	24	36	39
Outdoor Max. Fuse		A	20	20	25	30	40	40
Outdoor Air Flow		CFM	1450.9	1765.7	3001.8	2413.2	3037.1	3037.1
Outdoor Noise Level (Hi)		dB(A)	55	60	60	63	65	65
Connection Wiring			AWG 20-2					
Communication Type			24V / 485					
Throttle Type			EXV	EXV	EXV	EXV	EXV	EXV
Outdoor Unit	Dimension (WxDxH)	inch	31.69 x 12.99 x 21.81	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	38.58 x 16.34 x 38.39	38.58 x 16.34 x 38.39
	Package Dimension (WxDxH)	inch	36.02 x 14.57 x 24.21	39.17 x 15.67 x 29.13	42.91 x 19.68 x 34.84	42.91 x 19.68 x 34.84	45.08 x 19.68 x 42.52	45.08 x 19.68 x 42.52
	Net/Gross Weight	lb	77.16/83.77	102.29/109.13	141.76/152.34	153.22/163.58	192.90/224.21	192.90/224.21
Refrigeration	Type/Charge	oz	R454B/51.15	R454B/74.08	R454B/91.71	R454B/116.4	R454B/134.04	R454B/134.04
	Outdoor Additional Charge	oz/ft	0.7	0.7	0.7	0.7	0.7	0.7
	N.A. Design Pressure	PSI	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
Refrigerant piping	Liquid Side/Gas Side	inch	3/8" 3/4"	3/8" 3/4"	3/8" 3/4"	3/8" 3/4"	3/8" 3/4"	3/8" 3/4"
	Max. Piping Length	ft	98.4	164	164	246	246	246
	Max. Height Difference	ft	65.6	82	82	98.4	98.4	98.4
Ambient temp.	Cooling	°F	-13-122	-13-122	-13-122	-13-122	-13-122	-13-122
	Heating	°F	-13-75	-13-75	-13-75	-13-75	-13-75	-13-75

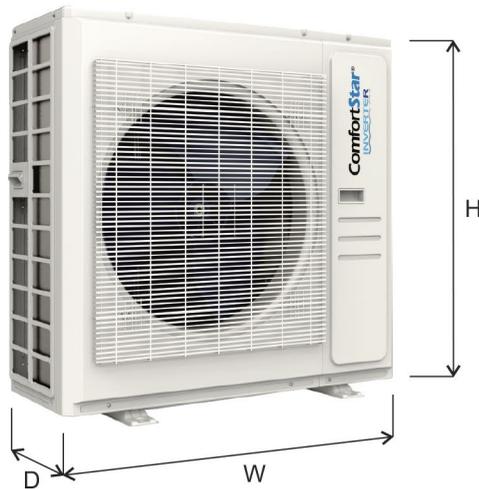
UNIT DIMENSIONS



THE EASY FIT™

CPR3 Series Central Heat Pump Systems

18,000 Thru 60,000 btu
LOW AMBIENT TEMPERATURE -13 °F



MODEL	Unit Width "W" inches	Unit Depth "D" inches	Unit Height "H" inches
CPR3-18CD(O)	31.69	12.99	21.81
CPR3-24CD(O)	35.04	13.46	26.50
CPR3-30CD(O)	37.24	16.14	31.89
CPR3-36CD(O)	37.24	16.14	31.89
CPR3-48CD(O)	38.58	16.34	38.39
CPR3-60CD(O)	38.58	16.34	38.39



THE EASY FIT™

HI-HEAT
CPH3 Series
Central Heat
Pump Systems

18,000 Thru 60,000 btu
LOW AMBIENT
TEMPERATURE -22 °F



R454B

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CPH3 Series Condensing Unit INVERTER

HI-HEAT

SPECIFICATIONS 18,000 Thru 60,000 btu



Outdoor Unit			CPH3-18CD(O)	CPH3-24CD(O)	CPH3-30CD(O)	CPH3-36CD(O)	CPH3H-36CD(O)	CPH3-48CD(O)	CPH3-60CD(O)
Power Supply	V-Ph-Hz		208/230V,60Hz,1Ph						
Cooling	Capacity	Btu/h	18,000	24,000	30,000	36000	36000	45000	54000
	Input	W	1,538	2,400	3,000	3,000	3530	4500	6020
Heating	Capacity	Btu/h	19,000	25,000	30,000	36000	37000	48000	56000
	Input	W	1,687	2,290	2,931	2930	3500	4500	5861
Minimum Circuit Ampacity	A		16	19	29.5	26	29	38	40
Max. Fuse	A		20	20	30	30	30	40	40
Air Flow (CFM)	CFM		1765.8	1765.8	3001.9	3001.9	3001.9	3037.2	2648.7
Noise Level (Hi)	dB(A)		56.5	59	62	62.5	63	65	64.5
Connection Wiring			AWG 20-2						
Communication Type			24V / 485						
Throttle Type			EXV						
Outdoor Unit	Unit Dimension WxDxH	inch	35.04 x 13.46 x 26.50	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	38.58 x 16.34 x 38.39	38.58 x 16.34 x 38.39	37.48 x 16.34 x 52.48
	Package Dimension WxDxH	inch	39.17 x 15.67 x 29.13	39.17 x 15.67 x 29.13	42.91 x 19.68 x 34.84	42.91 x 19.68 x 34.84	45.08 x 19.68 x 42.52	45.08 x 19.68 x 42.52	43.11 x 19.49 x 58.27
	Net/Gross Weight	lb	101.41/109.13	102.29/109.13	164.02/175.04	166.67/176.37	204.15/235.23	201.50/232.59	242.95/275.13
Refrigeration	Type/Charge	oz	R454B/74.08	R454B/74.08	R454B/105.82	R454B/126.99	R454B/126.99	R454B/134.04	R454B/183.42
	Outdoor Additional Charge	oz/ft	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	N.A.Design Pressure	PSI	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
Refrigerant Piping	Liquid Side/Gas Side	inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
	Max. Piping Length	ft	164	164	164	164	246	246	246
	Max. Height Difference	ft	82	82	82	82	98.4	98.4	98.4
Ambient temp.	Cooling	°F	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122
	Heating	°F	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75

UNIT DIMENSIONS

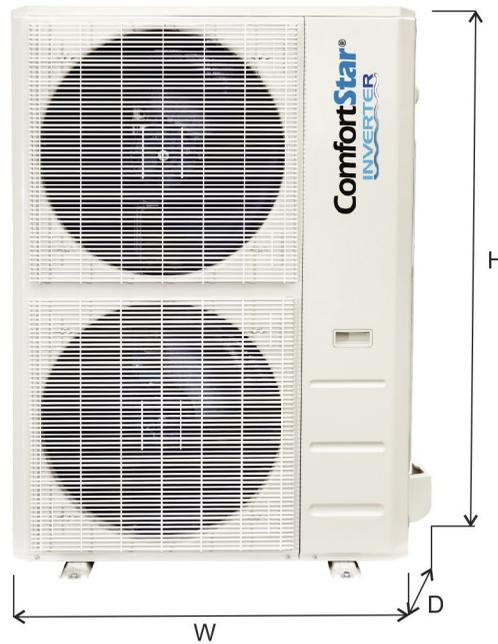


THE EASY FIT™

HI-HEAT

CPH3 Series Central Heat Pump Systems

18,000 Thru 60,000 btu
LOW AMBIENT
TEMPERATURE -22 °F



MODEL	Unit Width "W" inches	Unit Depth "D" inches	Unit Height "H" inches
CPH3-18CD(0)	35.04	13.46	26.50
CPH3-24CD(0)	35.04	13.46	26.50
CPH3-30CD(0)	37.24	16.14	31.89
CPH3-36CD(0)	37.24	16.14	31.89
CPH3H-36CD(0)	38.58	16.34	38.39
CPH3-48CD(0)	38.58	16.34	38.39
CPH3-60CD(0)	37.48	16.34	52.48



THE EASY FIT™

AHU3-SG3 Series

Universal Multi-Position
Air Handler

18,000 Thru 60,000 btu



THE EASY FIT™

AHU3-SG3 Series Universal Multi-Position Air Handler

Features:

- **Multiposition**
 - Upflow
 - Downflow
 - Horizontal left
 - Horizontal right
- **Size:** Compact
- **Controls:** very versatile it can be controlled with Any 24 volt heat pump thermostat
- Wifi
- **Static pressure:** will adjust automatically.
- Compatible with existing refrigerant line set, no need to insulate both lines.
- **Heating:** Optional Field Installed Auxiliary Electric Heat Strips available from 5kw to 20kw
- **UV Light:** Has a dedicated wiring port
- **Humidifier:** Has a dedicated wiring port
- Easy Maintenance.



AHU3-SG3 Series

Universal Multi-Position Air Handler



SPECIFICATIONS 18,000 Thru 60,000 btu

Indoor Unit			AHU3-18-SG3	AHU3-24-SG3	AHU3-30-SG3	AHU3-36-SG3	AHU3-48-SG3	AHU3-60-SG3
Power Supply			208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	54000
Heating	Capacity	Btu/h	18000	26000	31000	37000	48000	54000
Indoor Minimum Circuit Ampacity		A	5.5/4.0	5.5/4.0	8.0/6.0	8.0/6.0	14.5/11.0	14.5/11.0
Indoor Max. Fuse		A	15	15	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)		CFM	618.0 / 576.8 / 529.7 / 488.5 / N/A	824.0 / 759.3 / 694.5 / 629.8 / N/A	988.8 / 894.7 / 806.4 / 712.2 / N/A	1189.0 / 1083.0 / 971.2 / 865.2 / N/A	1601.0 / 1471.5 / 1283.1 / 1094.8 / N/A	1807.0 / 1583.3 / 1359.7 / 1136.0 / N/A
Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)		dB(A)	N/A/41/39/33/N/A	N/A/44/42/28/N/A	47.0/46.0/43.0/27.5/N/A	49/48.0/45.5/25.5/N/A	N/A/52/50/34/N/A	54.5/52/49.5/34.5/N/A
N.A. Design Pressure		PSI	550 / 340	550 / 340	520 / 340	550 / 340	550 / 340	550 / 340
Indoor Unit	Dimension (DxWxH)	inch	21.02 x 17.52 x 45.00	21.02 x 17.52 x 45.00	21.02 x 21.02 x 49.02	21.02 x 21.02 x 49.02	21.02 x 24.49 x 52.99	21.02 x 24.49 x 52.99
	Package Dimension (DxWxH)	inch	26.57 x 20.87 x 48.62	26.57 x 20.87 x 48.62	26.57 x 24.41 x 52.56	26.57 x 24.41 x 52.56	27.95 x 26.77 x 56.50	27.76 x 27.36 x 56.50
	Net/Gross Weight	lb	105.82/126.76	105.60/127.43	128.97/153.44	129.41/153.88	162.92/190.92	162.92/190.92
Refrigerant Piping	Liquid Side/Gas Side	inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
Connection Wiring			AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded
Communication Type			24V / 485	24V / 485	24V / 485	24V / 485	24V / 485	24V / 485
Throttle Type			EXV	EXV	EXV	EXV	EXV	EXV
Operating Temp. Range	Cooling	°F	60-90	60-90	60-90	60-90	60-90	60-90
	Heating	°F	32-86	32-86	32-86	32-86	32-86	32-86

Heaters (optional)

Part No.	Description
EAH-03E(UL)	3 kw with breaker
EAH-05E(UL)	5 kw with breaker
EAH-08E(UL)	8 kw with breaker
EAH-10E(UL)	10 kw with breaker

Part No.	Description
EAH-15E(UL)	15 kw with breaker
EAH-20E(UL)	20 kw with breaker
EAH-25E(UL)	25 kw with breaker

CPR3 + AHU3-SG3 Series



MATCH UP TABLE Condensing Unit + Air Handler Systems

SPECIFICATIONS 18,000 Thru 60,000 btu



Indoor unit			AHU3-18-SG3	AHU3-24-SG3	AHU3-30-SG3	AHU3-36-SG3	AHU3-48-SG3	AHU3-60-SG3
Outdoor unit			CPR3-18CD(0)	CPR3-24CD(0)	CPR3-30CD(0)	CPR3-36CD(0)	CPR3-48CD(0)	CPR3-60CD(0)
Power supply			208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	54000
	Current	A	7.5	9.5	12.2	15.2	22.2	27.4
	SEER2	Btu/h/W	18.8	18.1	17	16.1	16	15.2
	EER2	Btu/h/W	11	11	10.7	10	10	8.6
Heating	Capacity	Btu/h	18000	26000	31000	36000	48000	54000
	Input	W	1675	2396	2595	3100	4085	4650
	Current	A	7.3	10.4	11.5	13.1	18.3	21
	COP	Btu/h/W	10.7	10.9	11.9	11.6	11.8	11.5
	HSPF2-4	Btu/h/W	9.1	9.7	8.5	8.7	8.5	8.4
	HSPF2-5	Btu/h/W	7	7.7	6.6	7	7.2	6.8
Heating at 17°F	Rated Capacity	Btu/h	12600	20000	18500	25600	32400	33000
	COP	Btu/h/W	8.9	8.3	8.2	8.9	8.4	8.0
Heating at 5°F	Rated Capacity	Btu/h	11200	21600	19100	27000	38000	38000
	COP	Btu/h/W	6.8	6.4	6.8	6.8	6.3	6.1
Cooling at 5°F (-15°C)		Btu/h	19600	25600	34000	36000	53500	58000
Heating at 17°F (-8.33°C) Capacity		Btu/h	12600	22000	20600	30000	39000	34500
Heating 5°F (-15°C) Capacity		Btu/h	11200	21600	19100	27000	38000	38000
Thermostat Type			Wire Control					
Operating Temperature	Indoor (Cooling/Heating)	°F	60-90/32-86	60-90/32-86	60-90/32-86	60-90/32-86	60-90/32-86	60-90/32-86
	Outdoor (Cooling/Heating)	°F	-13-122/-13-75	-13-122/-13-75	-13-122/-13-75	-13-122/-13-75	-13-122/-13-75	-13-122/-13-75

CPH3 + AHU3-SG3 Series



MATCH UP TABLE Condensing Unit + Air Handler Systems



SPECIFICATIONS 18,000 Thru 60,000 btu

Indoor Unit			AHU3-30-SG3	AHU3-36-SG3	AHU3-36-SG3	AHU3-48-SG3	AHU3-60-SG3
Outdoor Unit			CPH3-30CD(O)	CPH3-36CD(O)	CPH3H-36CD(O)	CPH3-48CD(O)	CPH3-60CD(O)
Power Supply			208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Cooling	Capacity	Btu/h	30000	36000	36000	48000	54000
	Input	W	2567	3600	3076	4690	5400
	Current	A	11.4	15.8	13.4	20	23.3
	SEER2	Btu/h/W	16.8	16.5	17.4	16.5	16
	EER2	Btu/h/W	11.7	10	11.7	10.5	10
Heating	Capacity	Btu/h	34000	37000	37000	50000	56000
	Input	W	2790	3325	3012	4750	5300
	Current	A	12.4	14.7	13.1	20.5	23.1
	COP	Btu/h/W	12.5	11.1	12.3	11.6	10.6
	HSPF2-4	Btu/h/W	10	8.2	10.2	9.5	9
	HSPF2-5	Btu/h/W	8.3	6.7	8.6	8	8
Heating at 17°F	Heating(H32) Rated capacity	Btu/h	23800	23200	31800	37000	45000
	Heating(H32) COP	Btu/h/W	9.5	2.3	8.7	9.2	8.2
Heating at 5°F	Heating(H42) Rated capacity	Btu/h	32600	32000	39000	46000	52000
	Heating(H42) COP	Btu/h/W	6.7	1.9	6.5	6.5	6.1
Cooling Capacity at 5°F (-15°C)		Btu/h	38000	41000	40000	52000	54000
Heating Capacity at 17°F (-8.33°C)		Btu/h	37800	31900	41000	48000	50400
Heating Capacity at 5°F (-15°C)		Btu/h	32600	32000	39000	46000	52000
Thermostat Type			Wire Control				
Operating Temperature	Indoor (Cooling/Heating)	°F	60-90/32-86	60-90/32-86	60-90/32-86	60-90/32-86	60-90/32-86
	Outdoor (Cooling/Heating)	°F	-22-122/-22-75	-22-122/-22-75	-22-122/-22-75	-22-122/-22-75	-22-122/-22-75

UNIT DIMENSIONS



THE EASY FIT™

AHU3-SG3 Series Universal Multi-Position Air Handler



MODEL	Unit Depth "D" inches	Unit Width "W" inches	Unit Height "H" inches
AHU3-18-SG3	21.02	17.52	45.0
AHU3-24-SG3	21.02	17.52	45.0
AHU3-30-SG3	21.02	21.02	49.02
AHU3-36-SG3	21.02	21.02	49.02
AHU3-48-SG3	21.02	24.49	52.99
AHU3-60-SG3	21.02	24.49	52.99



THE EASY FIT™

SEF3-SG3 Series

Slim Easy Fit Air Handler

18,000 Thru 60,000 btu



THE EASY FIT™

SEF3-SG3 Series

Slim Easy Fit Air Handler

Features:

- Slim and the same width as the common gas furnace, so it can easily fit in the existing space.

Enables Direct Replacement of Gas Furnace With Dual Voltage, 115V & 208/230V all in one, automatically identifying the required voltage, no need for manual conversion, Eliminating the hassle of rewiring.

- **Easy to Enjoy Top-Level Whole Home Comfort:**
 - Innovative filtration module compatible with 1" to 4" filters
 - Smart functions including OTA & iCheck
 - Optional auxiliary heat kit
 - Demand response capability
 - Large & Consistent Airflow for Different Ductwork Conditions
- The upgraded Computational Constant Airflow technology also offers flexibility to adjust the setting CFM according to the customers' personal needs.
- **Precise Temperature Control**
The advanced GA control adapts to the multi-temperature needs, enables an accurate compressor output and reduces temperature difference
- **Quiet Cooling**
As low as 37 dBA with a 1.5 ton air handling unit;
As low as 56.5 dBA with a 1.5 ton inverter heat pump



SEF3-SG3 Series

Slim Easy Fit Air Handler



SPECIFICATIONS 18,000 Thru 60,000 btu



Indoor Unit			SEF3-18-SG3	SEF3-24-SG3	SEF3-30-SG3	SEF3-36-SG3	SEF3-48-SG3	SEF3-60-SG3
Power Supply	V; Hz; Ph		208/230V, 60Hz, 1Ph	208/230V, 60Hz, 1Ph	208/230V, 60Hz, 1Ph	208/230V, 60Hz, 1Ph	208/230V, 60Hz, 1Ph	208/230V, 60Hz, 1Ph
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	54000
Heating Capacity	Capacity	Btu/h	18000	24000	33000	36000	48000	55000
Minimum Circuit Ampacity	A		5.5/3.5	5.5/3.5	8.0/6.0	8.0/6.0	14.5/10	14.5/10
Max. Fuse	A		15	15	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)	CFM		6180 / 5768 / 5297 / 4885 / N/A	8240 / 7593 / 6945 / 6298 / N/A	9888 / 8947 / 8064 / 7122 / N/A	12361 / 11478 / 10595 / 9712 / N/A	16010 / 14421 / 12655 / 10889 / N/A	18011 / 16481 / 15009 / 12361 / N/A
Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)	dB(A)		N/A/42.5/40.5/37/N/A	N/A/47.5/44/33/N/A	49/47/45.5/31.5/N/A	N/A/49.5/48/31.5/N/A	N/A/53.0/49.5/33.5/N/A	60.0/57.0/54.5/37.0//
N.A. Design Pressure	PSI		550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
Indoor Unit	Unit Dimension WxDxH	inch	14.49 x 21.50 x 49.72	14.49 x 21.50 x 49.72	17.52 x 21.50 x 53.98	17.52 x 21.50 x 53.98	21.50 x 21.50 x 55.94	21.50 x 21.50 x 55.94
	Package Dimension WxDxH	inch	52.95 x 17.52 x 31.10	52.95 x 17.52 x 31.10	57.09 x 20.47 x 31.10	57.09 x 20.47 x 31.10	59.84 x 25.00 x 31.10	59.84 x 25.00 x 31.10
	Net/Gross Weight	lb	123.02/154.76	123.02/154.76	149.25/182.10	149.25/182.10	186.51/232.14	188.05/238.32
Refrigerant Piping	Liquid side/Gas Side	inch	(3/8") / (3/4")	(3/8") / (3/4")	(3/8") / (3/4")	(3/8") / (3/4")	(3/8") / (3/4")	(3/8") / (3/4")
Connection Wiring			AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded
Communication Type			24V / 485	24V / 485	24V / 485	24V / 485	24V / 485	24V / 485
Throttle Type			EXV	EXV	EXV	EXV	EXV	EXV
Setting Temperature	°F		62-90	62-90	62-90	62-90	62-90	62-90

CPH3 + SEF3-SG3 Series

MATCH UP TABLE Condensing Unit + Air Handler Systems



SPECIFICATIONS 18,000 Thru 60,000 btu

Indoor Unit			SEF3-18-SG3	SEF3-24-SG3	SEF3-30-SG3	SEF3-36-SG3	SEF3-36-SG3	SEF3-48-SG3	SEF3-60-SG3
Outdoor Unit			CPH3-18CD(O)	CPH3-24CD(O)	CPH3-30CD(O)	CPH3-36CD(O)	CPH3H-36CD(O)	CPH3-48CD(O)	CPH3-60CD(O)
Power Supply		V: Hz: Ph	208/230V,60Hz,1Ph						
Cooling	Capacity	Btu/h	18000	24000	30000	36000	36000	48000	54000
	Current	A	9.3	9.1	11.4	13.4	13.7	18	20.5
	SEER2	Btu/h/W	19	18.6	17.2	17.7	18	17.5	17.5
	EER2	Btu/h/W	12.5	12	12	12	12	12	12
Heating	Capacity	Btu/h	18000	24000	33000	36000	37000	48000	55000
	Input	W	1465	2150	2730	2930	3098	4521	5015
	Current	A	9.4	9.1	12.3	13.3	14.4	18.9	21.5
	HSPF2-4	Btu/h/W	10.1	10	10.8	10	10	9.5	9.5
	HSPF2-5	Btu/h/W	8.5	8.1	8.8	8	8.2	7.7	7.7
	COP	W/W	3.6	3.49	3.54	3.6	3.5	3.28	3.35
Heating at 17°F	Rated Capacity	Btu/h	14700	19000	24000	24600	31000	34000	35000
	COP	W/W	2.66	2.64	2.7	2.68	2.5	2.55	2.5
Heating at 5°F	Rated Capacity	Btu/h	18600	20600	33200	32600	37400	48000	54000
	COP	W/W	2.12	2.14	1.97	2.06	1.9	2	1.9
Cooling Capacity at 5°F (-15°C)		Btu/h	23600	25200	42500	39800	44500	50000	54000
Heating Capacity at 17°F (-8.33°C)		Btu/h	19500	22800	24400	33000	41500	48000	54000
Heating Capacity at 5°F (-15°C)		Btu/h	18600	20600	33200	32600	37400	48000	54000
Thermostat Type			Wire Control						
Operating Temp. Range	Cooling	°F	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122
	Heating	°F	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75

UNIT DIMENSIONS



THE EASY FIT™

SEF3-SG3 Series

Slim Easy Fit Air Handler



MODEL	Unit Width "W" inches	Unit Depth "D" inches	Unit Height "H" inches
SEF3-18-SG3	14.49	21.50	49.72
SEF3-24-SG3	14.49	21.50	49.72
SEF3-30-SG3	17.52	21.50	53.98
SEF3-36-SG3	17.52	21.50	53.98
SEF3-48-SG3	21.50	21.50	55.94
SEF3-60-SG3	21.50	21.50	55.94



THE EASY FIT™

CWM3-SG3 Series Wall Mounted Air Handler

18,000 Thru 36,000 btu





THE EASY FIT™

CWM3-SG3 Series

Wall Mounted Air Handler

Features:

- Compact-Size Wall-Mounted AHU
- Smoothly Fits Into Any Existing Installation Space
- **Easy-to-Access Design:**
Just remove 2 screws for access to the error code display
- **Slide-Out Design:**
One action to push in or take out the filter
- **Control Box:**
The electric control box is fixed by only two screws and can be easily pulled out.
- **Fan Motor:**
Disassemble the top cover, then easily take out the fan and motor assembly without the need to disassemble the evaporator.
- **Slide-Track Design:**
There are no side screws, so the evaporator coil can be easily pulled out through the slide track from the front side.



CWM3-SG3 Series

Wall Mounted Air Handler



SPECIFICATIONS 18,000 Thru 36,000 btu



Indoor Unit			CWM3-18-SG3	CWM3-24-SG3	CWM3-30-SG3	CWM3-36-SG3
Power Supply	V: Hz: Ph		208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Cooling	Capacity	Btu/h	18000	24000	30000	36000
Heating	Capacity	Btu/h	18000	25000	31000	37000
Minimum Circuit Ampacity		A	4	4	6	6.5
Max. Fuse		A	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)		CFM	618.0 / 576.8 / 529.7 / 488.5 / /	824.0 / 759.3 / 694.5 / 629.8 / /	988.8 / 894.7 / 806.4 / 712.2 / N/A	1189.0 / 1083.0 / 971.2 / 865.2 / /
Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)		dB(A)	48.0/47/45/39/N/A	53.0/51/48/37.5/N/A	50.5/50/48/36/N/A	//50.5/48/36.5//
N.A. Design Pressure		PSI	550 / 340	550 / 340	550 / 340	550 / 340
Indoor Unit	Unit Dimension (WxDxH)	inch	20.28 x 15.71 x 36.54	20.28 x 15.71 x 36.54	22.01 x 19.02 x 40.04	22.01 x 19.02 x 40.04
	Package Dimension (WxDxH)	inch	22.83 x 19.49 x 42.91	22.83 x 19.49 x 42.91	24.61 x 22.83 x 46.97	24.61 x 22.83 x 46.97
	Net/Gross Weight	lb	111.33/91.49	91.49/111.33	110.23/131.39	109.57/130.73
Refrigerant Piping	Liquid Side/Gas Side	inch	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')
Connection Wiring			AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded
Communication Type			24V / 485	24V / 485	24V / 485	24V / 485
Throttle Type			EXV	EXV	EXV	EXV
Setting Temperature		°F	62-90	62-90	62-90	62-90

CPR3 + CWM3-SG3 Series



MATCH UP TABLE Condensing Unit + Wall Mounted Air Handler



SPECIFICATIONS 18,000 Thru 36,000 btu

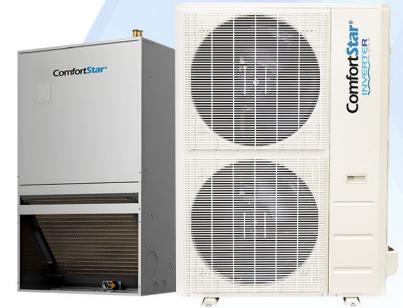


Indoor Unit			CWM3-18-SG3	CWM3-24-SG3	CWM3-30-SG3	CWM3-36-SG3
Outdoor Unit			CPR3-18CD(O)	CPR3-24CD(O)	CPR3-30CD(O)	CPR3-36CD(O)
Power Supply	V; Hz; Ph		208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Cooling	Capacity	Btu/h	18000	24000	30000	36000
	Current	A	7.0	9.8	11.9	15.4
	SEER2	Btu/h/W	18.5	17.4	18.6	16.7
	EER2	Btu/h/W	11.5	10.8	11	10.2
Heating	Capacity	Btu/h	18000	25000	31000	37000
	Input	W	1485	1980	2596	3189
	Current	A	6.9	8.6	11.4	13.9
	HSPF2-4	Btu/h/W	9.4	10.4	8.7	9.3
	HSPF2-5	Btu/h/W	7.2	8.1	6.7	7.5
	COP	W/W	3.55	3.80	3.5	3.3
Heating at 17°F	Rated Capacity	Btu/h	12600	20800	18200	24800
	COP	W/W	2.70	2.80	2.42	2.63
Heating at 5°F	Rated Capacity	Btu/h	11400	19400	18700	29200
	COP	W/W	2.1	1.96	1.99	1.99
Cooling at 5°F (-15°C)	Btu/h		21600	26000	35200	42500
Heating at 17°F (-8.33°C) Capacity	Btu/h		12600	21800	23900	31400
Heating at 5°F (-15°C) Capacity	Btu/h		11400	19400	18700	29200
Thermostat Type			Wire Control	Wire Control	Wire Control	Wire Control
Operating Temp. Range	Cooling	°F	-25~50	-25~50	-25~50	-25~50
	Heating	°F	-25~24	-25~24	-25~24	-25~24

CPH3 + CWM3-SG3 Series



MATCH UP TABLE Condensing Unit + Wall Mounted Air Handler



SPECIFICATIONS 18,000 Thru 36,000 btu

Indoor Unit			CWM3-18-SG3	CWM3-24-SG3	CWM3-30-SG3	CWM3-36-SG3
Outdoor Unit			CPH3-18CD(O)	CPH3-24CD(O)	CPH3-30CD(O)	CPH3H-36CD(O)
Power Supply		V; Hz; Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Cooling	Capacity	Btu/h	18000	22000	30000	36000
	Current	A	9.0	9.8	11.4	14.0
	SEER2	Btu/h/W	19.3	17.5	17.5	16.8
	EER2	Btu/h/W	12.1	11.7	11.7	11.2
Heating	Capacity	Btu/h	19000	25000	32000	37000
	Input	W	1465	1980	2718	3189
	Current	A	9.5	8.6	12.6	13.9
	HSPF2-4	Btu/h/W	10.8	10.5	10.2	9.6
	HSPF2-5	Btu/h/W	9.2	8.2	8.2	8
	GOP	W/W	3.8	3.8	3.45	3.4
Heating at 17°F	Rated Capacity	Btu/h	15300	20800	23200	30200
	GOP	W/W	2.71	2.80	2.6	1.86
Heating at 5°F	Rated Capacity	Btu/h	19600	19600	32000	34600
	GOP	W/W	2.1	1.96	2.00	1.8
Cooling Capacity at 5°F (-15°C)		Btu/h	22800	26000	38000	43000
Heating Capacity at 17°F (-8.33°C)		Btu/h	19600	21800	31900	40000
Heating Capacity at 5°F (-15°C)		Btu/h	19600	19400	32000	34600
Thermostat Type			Wire Control	Wire Control	Wire Control	Wire Control
Operating Temp. Range	Cooling	°F	-22-122	-22-122	-22-122	-22-122
	Heating	°F	-22-75	-22-75	-22-75	-22-75

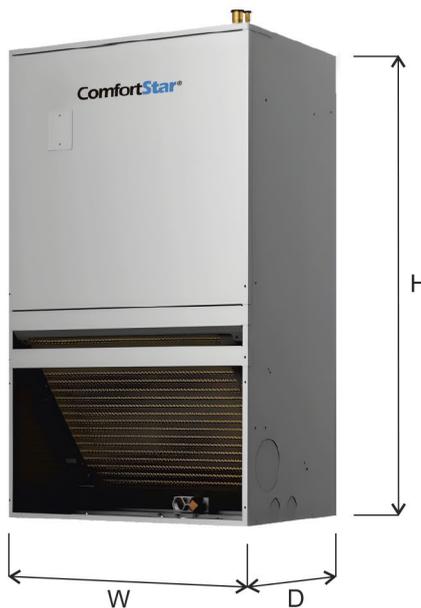
UNIT DIMENSIONS

THE EASY FIT™

CWM3-SG3 Series

Wall Mounted Air Handler

18,000 Thru 36,000 btu



MODEL	Unit Width "W" inches	Unit Depth "D" inches	Unit Height "H" inches
CWM3-18-SG3	20.28	15.71	36.54
CWM3-24-SG3	20.28	15.71	36.54
CWM3-30-SG3	22.01	19.02	40.04
CWM3-36-SG3	22.01	19.02	40.04



THE EASY FIT™

CPK3-SG3 Series Ceiling Fan Coil

18,000 Thru 36,000 btu





THE EASY FIT™

CPK3-SG3 Series Ceiling Fan Coil



Features:

- ECM Fan Motor

The ECM fan motor of the EASY-FIT ceiling-mounted air handler has up to 0.8" static pressure to overcome the static loss due to ductwork design, thus ensuring sufficient airflow delivery regardless of existing duct length.

- Compact Size Ceiling-Mounted AHU :

Easy to Replace Any Old Unit

Easy to Maintain: The electric control box can be accessed from the bottom of the unit and the cover of electric control box is easy to take off .

The fan and motor can be also taken out assembly to maintain



CKP3-SG3 Series

Ceiling Fan Coil



SPECIFICATIONS 18,000 Thru 36,000 btu

Indoor Unit			CPK3-18-SG3	CPK3-24-SG3	CPK3-30-SG3	CPK3-36-SG3
Power Supply	V; Hz; Ph		208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph
Cooling	Capacity	Btu/h	18,000	24,000	30,000	36,000
Heating	Capacity	Btu/h	19,000	26,000	31,000	37,000
Minimum Circuit Ampacity		A	115V-6A;208/230V-5A	115V-7A;208/230V-5A	115V-8A; 208/230V-6A	115V-8A; 208/230V-6A
Max. Fuse		A	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)		CFM	600 / 565 / 530 / 489 / /	824 / 759 / 647 / 630 / /	989 / 895 / 806 / 542 / /	1,189 / 1,083 / 971 / 865 / /
Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)		dB(A)	//55.5/52.5/50.5//	//56.5/53.5/51.5//	//60.5/58.5/50//	//59.5/57/49//
N.A. Design Pressure		PSI	550 / 340	550 / 340	550 / 340	550 / 340
Indoor Unit	Unit Dimension (DxWxH)	inch	43.23 x 23.33 x 10.93	49.13 x 23.33 x 10.93	55.24 x 23.33 x 10.93	62.13 x 23.33 x 10.93
	Package Dimension (DxWxH)	inch	47.24400 x 26.8 x 13.58265	53.14950 x 26.8 x 13.58265	59.25185 x 26.77160 x 13.58265	66.14160 x 26.77160 x 13.58265
	Net/Gross Weight	lb	54/58	58/63	63/68	65/71
Refrigerant Piping	Liquid Side/Gas Side	inch	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')
Connection Wiring			AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded
Communication Type			24V / 485	24V / 485	24V / 485	24V / 485
Throttle Type			EXV	EXV	EXV	EXV
Setting Temperature		°F	62-90	62-90	62-90	62-90

CPR3 + CPK3-SG3 Series



MATCH UP TABLE Condensing Unit + Ceiling Fan Coil Systems



SPECIFICATIONS 18,000 Thru 36,000 btu

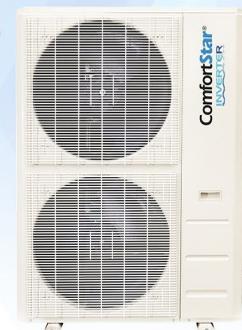


Indoor Unit			CPK3-18-SG3	CPK3-24-SG3	CPK3-30-SG3	CPK3-36-SG3
Outdoor Unit			CPR3-18CD(O)	CPR3-24CD(O)	CPR3-30CD(O)	CPR3-36CD(O)
Power Supply		V; Hz; Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph
Cooling	Capacity	Btu/h	18,000	24,000	30,000	36,000
	Current	A	6.7	9.8	12.4	17
	SEER2	Btu/h/W	16.8	16	16.6	15.4
	EER2	Btu/h/W	11.5	10	10.5	9.2
Heating	Capacity	Btu/h	18,000	25,000	30,000	37,000
	Input	W	1,512	2,123	2,748	3,389
	Current	A	6.6	9.8	11.9	14.7
	HSPF2-4	Btu/h/W	8.8	9	8.1	8.7
	HSPF2-5	Btu/h/W	6.8	7	6.6	7.1
	COP	W/W	3.5	3.45	3.2	3.2
Heating at 17°F	Rated Capacity	Btu/h	11,800	19,800	19,000	24,600
	COP	W/W	2.7	2.5	2.48	2.51
Heating at 5°F	Rated Capacity	Btu/h	11,400	19,000	19,000	28,400
	COP	W/W	1.8	1.8	1.9	1.86
Cooling Capacity at 5°F (-15°C)		Btu/h	18,600	24,600	33,600	35,200
Heating Capacity at 17°F (-8.33°C)		Btu/h	13,400	20,000	20,000	32,000
Heating Capacity at 5°F (-15°C)		Btu/h	11,400	19,000	19,000	28,400
Thermostat Type			Wire Control	Wire Control	Wire Control	Wire Control
Operating Temp. Range	Cooling	°F	-13-122	-13-122	-13-122	-13-122
	Heating	°F	-13-75	-13-75	-13-75	-13-75

CPH3 + CPK3-SG3 Series



MATCH UP TABLE Condensing Unit + Ceiling Fan Coil Systems



HI-HEAT

R454B



SPECIFICATIONS 18,000 Thru 36,000 btu

Indoor Unit			CPK3-18-SG3	CPK3-24-SG3	CPK3-30-SG3	CPK3-36-SG3
Outdoor Unit			CPH3-18CD(O)	CPH3-24CD(O)	CPH3-30CD(O)	CPH3H-36CD(O)
Power Supply		V; Hz; Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph
Cooling	Capacity	Btu/h	18,000	24,000	30,000	36,000
	Current	A	10	9.8	12	15.3
	SEER2	Btu/h/W	16.8	17.5	16.3	15.4
	EER2	Btu/h/W	12	10.8	11	10.2
Heating	Capacity	Btu/h	19,000	26,000	31,000	37,000
	Input	W	1,590	2,209	2,656	3,286
	Current	A	10.2	9.8	12.2	14.3
	HSPF2-4	Btu/h/W	10.5	9.2	9.5	9.8
	HSPF2-5	Btu/h/W	8.5	7.5	8	8
	COP	W/W	3.5	3.45	3.42	3.3
Heating at 17°F	Rated Capacity	Btu/h	15,000	19,800	24,000	31,200
	COP	W/W	2.3	2.5	2.5	2.34
Heating at 5°F	Rated Capacity	Btu/h	19,000	20,000	31,000	36,000
	COP	W/W	1.8	1.9	1.86	1.9
Cooling Capacity at 5°F (-15°C)		Btu/h	20,800	24,600	30,000	39,000
Heating Capacity at 17°F (-8.33°C)		Btu/h	23,000	23,000	34,800	38,000
Heating Capacity at 5°F (-15°C)		Btu/h	19,000	20,000	31,000	36,000
Thermostat Type			Wire Control	Wire Control	Wire Control	Wire Control
Operating Temp. Range	Cooling	°F	-22-122	-22-122	-22-122	-22-122
	Heating	°F	-22-75	-22-75	-22-75	-22-75

UNIT DIMENSIONS

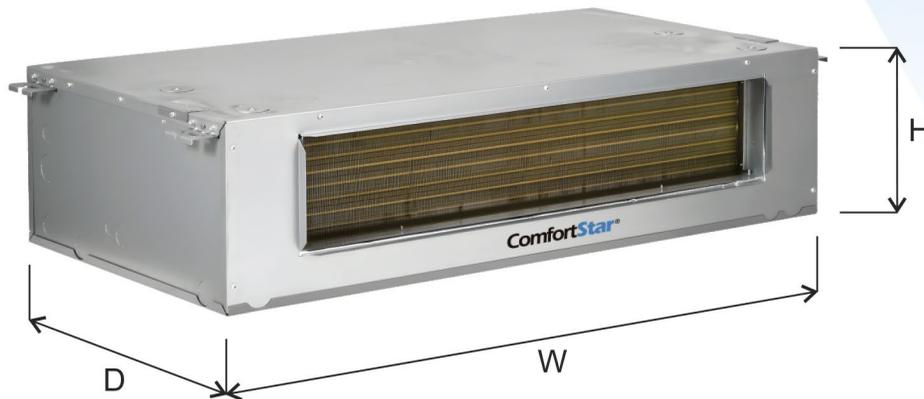


THE EASY FIT™

CPK3-SG3 Series

Ceiling Fan Coil

18,000 Thru 36,000 btu



MODEL	Unit Width "W" inches	Unit Depth "D" inches	Unit Height "H" inches
CPK3-18-SG3	43.23	23.33	10.93
CPK3-24-SG3	49.13	23.33	10.93
CPK3-30-SG3	55.24	23.33	10.93
CPK3-36-SG3	62.13	23.22	10.93



THE EASY FIT™

AC3-SG3 Series Cased Coil

18,000 Thru 36,000 btu





THE EASY FIT™

AC3-SG3 Series Cased Coil

Features:

- Painted cabinets
- Cased Coils come in standard widths to fit most furnaces

CASED COILS	TON
17.5"	1.5, 2 Ton
21.0"	2.5, 3, 4 Ton
24.5"	5 Ton



AC3-SG3 Series

Cased Coil



SPECIFICATIONS 18,000 Thru 30,000 btu



Indoor Unit			AC3-1824B-SG3	AC3-1824A-SG3	AC3-2424A-SG3	AC3-2424B-SG3	AC3-3036A-SG3	AC3-3036B-SG3	AC3-3036C-SG3
Power Supply		V, Hz, Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph
Cooling	Capacity	Btu/h	18,000	18,000	24,000	24,000	29,000	29,000	29,000
	Capacity	Btu/h	19,000	19,000	25,000	25,000	29,000	31,000	32,000
N.A. Design Pressure		PSI	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
Indoor Unit	Unit Dimension WxDxH	inch	17-1/2 x 21 x 18	14-1/2 x 21 x 18	14-1/2 x 21 x 18	17-1/2 x 21 x 18	14-1/2 x 21 x 23-5/16	17-1/2 x 21 x 23-1/2	21 x 21 x 24
	Package Dimension WxDxH	inch	20-1/2x 26-1/8 x 20-7/8	17-1/2 x 25-3/8 x 20-5/8	17-1/2 x 25-3/8 x 20-5/8	20-1/2x 26-1/8 x 20-7/8	17-1/2 x 25-3/8 x 26	20-1/2 x 26-1/8 x 26-3/8	20-1/2 x 26-1/8 x 26-3/8
	Net/Gross Weight	lb	42 / 50	42 / 50	42 / 50	42 / 50	57 / 65	59.5 / 68	64 / 74
Refrigerant Piping	Liquid Side/Gas Side	inch	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')
Connection Wiring			AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded
Communication Type			24V / 485	24V / 485	24V / 485	24V / 485	24V / 485	24V / 485	24V / 485
Throttle Type			EXV	EXV	EXV	EXV	EXV	EXV	EXV
Setting Temperature		°F	62-90	62-90	62-90	62-90	62-90	62-90	62-90

AC3-SG3 Series

Cased Coil



SPECIFICATIONS 36,000 Thru 60,000 btu



Indoor Unit			AC3-3636A-SG3	AC3-3636B-SG3	AC3-3636C-SG3	AC3-4860C-SG3	AC3-4860D-SG3	AC3-6060C-SG3	AC3-6060D-SG3
Power Supply	V: Hz: Ph		208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph
Cooling	Capacity	Btu/h	34,000	36,000	36,000	47,000	45,000	51,000	50,000
Heating	Capacity	Btu/h	36,000	36,000	36,000	47,000	46,000	49,000	48,000
N.A. Design Pressure		PSI	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
Indoor Unit	Unit Dimension WxDxH	inch	14-1/2 x 21 x 23-5/16	17-1/2 x 21 x 23-1/2	21 x 21 x 24	21-5/8 x 21-1/2 x 27-3/4	24-1/2 x 21 x 28	21-5/8 x 21-1/2 x 27-3/4	24-1/2 x 21 x 28
	Package Dimension WxDxH	inch	17-1/2 x 25-3/8 x 26	20-1/2 x 26-1/8 x 26-3/8	20-1/2 x 26-1/8 x 26-3/8	31-1/8 x 25 x 25-5/8	27-3/4 x 26-1/8 x 30-3/8	31-1/8 x 25 x 25-5/8	27-3/4 x 26-1/8 x 30-3/8
	Net/Gross Weight	lb	57 / 65	59.5 / 68	64 / 74	97 / 115	81 / 92	97 / 115	81 / 92
Refrigerant Piping	Liquid Side/Gas Side	inch	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')	(3/8'') / (3/4'')
Connection Wiring			AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded	AWG25*3 Shielded
Communication Type			24V / 485	24V / 485	24V / 485	24V / 485	24V / 485	24V / 485	24V / 485
Throttle Type			EXV	EXV	EXV	EXV	EXV	EXV	EXV
Setting Temperature		°F	62-90	62-90	62-90	62-90	62-90	62-90	62-90

CPR3 + AC3-SG3 Series



MATCH UP TABLE Condensing Unit + Cased Coil Systems



SPECIFICATIONS 18,000 Thru 30,000 btu



Indoor Unit			AC3-1824A-SG3	AC3-1824B-SG3	AC3-2424A-SG3	AC3-2424B-SG3	AC3-3036A-SG3	AC3-3036B-SG3	AC3-3036C-SG3
Outdoor Unit			CPR3-18CD(O)	CPR3-18CD(O)	CPR3-24CD(O)	CPR3-24CD(O)	CPR3-30CD(O)	CPR3-30CD(O)	CPR3-30CD(O)
Power Supply		V; Hz; Ph	208/230,60Hz,1Ph						
Cooling	Capacity	Btu/h	18,000	18,000	24,000	24,000	29,000	29,000	29,000
	Current	A	7.5	7.5	9	9	11.8	11	11
	SEER2	Btu/h/W	16	16	16	16	15	15.4	15.4
	EER2	Btu/h/W	10.2	10.2	10	10	9.8	10	10
Heating	Capacity	Btu/h	19,000	19,000	25,000	25,000	29,000	31,000	32,000
	Input	W	1,768	1,768	2,290	2,290	2,740	3,269	3,370
	Current	A	7.7	7.7	8.5	8.5	10.5	10.5	10.5
	HSPF2-4	Btu/h/W	8.6	8.6	9.5	9.5	8	8.5	8.5
	HSPF2-5	Btu/h/W	6.9	6.9	7	7	6.5	6.8	6.8
	COP	W/W	3.15	3.15	3.2	3.2	3.2	2.78	2.78
Heating at 17°F	Rated Capacity	Btu/h	12,200	12,200	19,700	19,700	18,000	20,000	20,000
	COP	W/W	2.82	2.82	2.65	2.65	2.2	2.44	2.44
Heating at 17°F	Rated Capacity	Btu/h	10,800	10,800	21,000	21,000	19,000	19,000	19,000
	COP	W/W	1.8	1.8	1.8	1.8	1.8	1.9	1.9
Cooling Capacity at 5°F (-15°C)		Btu/h	20,000	20,000	27,000	27,000	34,000	38,000	38,000
Heating Capacity at 17°F (-8.33°C)		Btu/h	14,000	14,000	22,000	22,000	19,700	25,000	25,000
Heating Capacity at 5°F (-15°C)		Btu/h	10,800	10,800	21,000	21,000	19,000	19,000	19,000
Thermostat Type			Wire Control						
Operating Temp. Range	Cooling	°F	-13-122	-13-122	-13-122	-13-122	-13-122	-13-122	-13-122
	Heating	°F	-13-75	-13-75	-13-75	-13-75	-13-75	-13-75	-13-75

CPR3 + AC3-SG3 Series

MATCH UP TABLE Condensing Unit + Cased Coil Systems



SPECIFICATIONS 36,000 Thru 60,000 btu



Indoor Unit			AC3-3636A-SG3	AC3-3636B-SG3	AC3-3636C-SG3	AC3-4860C-SG3	AC3-4860D-SG3	AC3-6060C-SG3	AC3-6060D-SG3
Outdoor Unit			CPR3-36CD(O)	CPR3-36CD(O)	CPR3-36CD(O)	CPR3-48CD(O)	CPR3-48CD(O)	CPR3-60CD(O)	CPR3-60CD(O)
Power Supply		V: Hz: Ph	208/230,60Hz,1Ph						
Cooling	Capacity	Btu/h	34,000	36,000	36,000	47,000	45,000	51,000	50,000
	Current	A	10.5	13.9	13.9	19.5	18.5	24.1	24.8
	SEER2	Btu/h/W	14.3	14.8	14.8	14.7	14.7	14.5	14.3
	EER2	Btu/h/W	9	10.2	10.2	9.5	9.5	8.5	8.1
Heating	Capacity	Btu/h	36,000	36,000	36,000	47,000	46,000	49,000	48,000
	Input	W	3,517	3,103	3,103	5,010	4,910	5,360	5,190
	Current	A	13.3	11.7	11.7	20	19.8	21	21
	HSPF2-4	Btu/h/W	8.5	8.7	8.7	8	7.5	8	7.3
	HSPF2-5	Btu/h/W	6.8	7	7	6.5	6.5	6.5	6.3
	COP	W/W	3	3.4	3.4	2.75	2.75	2.68	2.7
Heating at 17°F	Rated Capacity	Btu/h	24,800	24,800	24,800	30,000	28,000	31,000	29,000
	COP	W/W	2.35	2.41	2.41	2.25	2.04	2.24	1.95
Heating at 17°F	Rated Capacity	Btu/h	27,200	27,200	27,200	41,000	42,000	41,000	42,000
	COP	W/W	1.83	1.9	1.9	1.75	1.75	1.75	1.75
Cooling Capacity at 5°F (-15°C)		Btu/h	35,000	43,000	43,000	45,000	44,000	50,000	49,000
Heating Capacity at 17°F (-8.33°C)		Btu/h	28,200	29,400	29,400	40,600	39,000	40,600	39,000
Heating Capacity at 5°F (-15°C)		Btu/h	27,200	29,000	29,000	40,000	40,000	40,000	40,000
Thermostat Type			Wire Control						
Operating Temp. Range	Cooling	°F	-13-122	-13-122	-13-122	-13-122	-13-122	-13-122	-13-122
	Heating	°F	-13-75	-13-75	-13-75	-13-75	-13-75	-13-75	-13-75

CPH3 + AC3-SG3 Series



MATCH UP TABLE Condensing Unit + Cased Coil System



SPECIFICATIONS 18,000 Thru 36,000 btu

Indoor Unit			AC3-1824A-SG3	AC3-1824B-SG3	AC3-2424A-SG3	AC3-2424B-SG3	AC3-3036A-SG3	AC3-3036B-SG3	AC3-3036C-SG3	AC3-3636A-SG3
Outdoor Unit			CPH3-18CD(O)	CPH3-18CD(O)	CPH3-24CD(O)	CPH3-24CD(O)	CPH3-30CD(O)	CPH3-30CD(O)	CPH3-30CD(O)	CPH3H-36CD(O)
Power Supply		V: Hz: Ph	208/230,60Hz,1Ph							
Cooling	Capacity	Btu/h	18,000	18,000	24,000	24,000	30,000	29,000	29,000	36,000
	Current	A	8.3	8.3	9	9	11.3	9.7	9.7	15.4
	SEER2	Btu/h/W	16.1	16.1	16	16	15.3	16	16	15.2
	EER2	Btu/h/W	11.7	11.7	10	10	10	10	10	10.2
Heating	Capacity	Btu/h	19,000	19,000	25,000	25,000	30,000	32,000	32,000	37,000
	Input	W	1,687	1,687	2,290	2,290	2,931	2,780	2,780	3,500
	Current	A	10	10	8.5	8.5	11.3	10.8	10.8	15.2
	HSPF2-4	Btu/h/W	9.5	9.5	9.5	9.5	9.3	10	10	9
	HSPF2-5	Btu/h/W	7.8	7.8	7	7	7.7	8.5	8.5	7.2
	COP	W/W	3.3	3.3	3.2	3.2	3	3.37	3.37	3.1
Heating at 17°F	Rated Capacity	Btu/h	15,200	15,200	19,700	19,700	24,000	25,000	25,000	29,000
	COP	W/W	2.7	2.7	2.65	2.65	2.36	2.5	2.5	2.21
Heating at 5°F	Rated Capacity	Btu/h	18,000	18,000	21,000	21,000	30,400	33,000	33,000	31,000
	COP	W/W	2.06	2.06	1.8	1.8	1.8	1.9	1.9	1.8
Cooling Capacity at 5°F (-15°C)		Btu/h	24,800	24,800	27,000	27,000	41,000	38,000	38,000	38,600
Heating Capacity at 17°F (-8.33°C)		Btu/h	22,000	22,000	22,000	22,000	31,700	37,000	37,000	32,000
Heating Capacity at 5°F (-15°C)		Btu/h	18,000	18,000	21,000	21,000	30,400	33,000	33,000	31,000
Thermostat Type			Wire Control							
Operating Temp. Range	Cooling	°F	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122
	Heating	°F	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75

CPH3 + AC3-SG3 Series

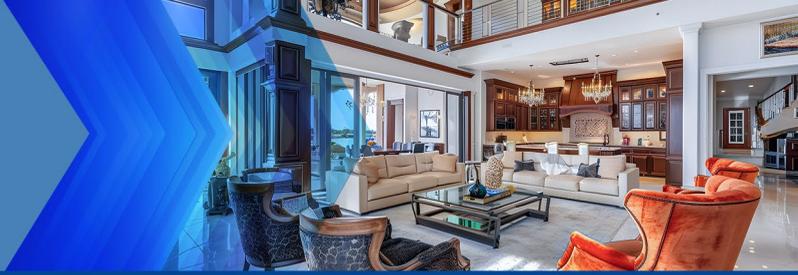
MATCH UP TABLE Condensing Unit + Cased Coil System



SPECIFICATIONS 36,000 Thru 60,000 btu

Indoor Unit			AC3-3636B-SG3	AC3-3636C-SG3	AC3-4860C-SG3	AC3-4860D-SG3	AC3-6060C-SG3	AC3-6060D-SG3	AC3-6060D-SG3
Outdoor Unit			CPH3H-36CD(O)	CPH3H-36CD(O)	CPH3-48CD(O)	CPH3-48CD(O)	CPH3-60CD(O)	CPH3-60CD(O)	CPH3-60CD(O)
Power Supply		V: Hz: Ph	208/230,60Hz,1Ph						
Cooling	Capacity	Btu/h	36,000	36,000	45,000	45,000	52,000	47,000	53,000
	Current	A	14.6	14.6	19.6	18.3	21.1	18.3	24.5
	SEER2	Btu/h/W	15.8	15.8	15.2	14.5	15.9	15.2	14.5
	EER2	Btu/h/W	10.7	10.7	10	10	10	10	8.8
Heating	Capacity	Btu/h	38,000	38,000	48,000	50,000	56,000	58,000	58,000
	Input	W	3,375	3,375	4,500	4,650	5,861	6,159	6,159
	Current	A	14.7	14.7	19.6	19	25.3	24.8	24.8
	HSPF2-4	Btu/h/W	9.4	9.4	8.8	8.4	8.5	8.1	8.1
	HSPF2-5	Btu/h/W	7.9	7.9	7.4	7.3	6.9	6.8	6.8
	COP	W/W	3.3	3.3	3.12	3.15	2.8	2.76	2.76
Heating at 17°F	Rated Capacity	Btu/h	29,200	29,200	34,400	34,400	37,800	36,000	36,000
	COP	W/W	2.5	2.5	2.43	2.43	2.46	2.14	2.14
Heating at 5°F	Rated Capacity	Btu/h	36,000	36,000	42,000	42,000	45,000	43,000	43,000
	COP	W/W	1.9	1.9	1.85	1.85	1.8	1.83	1.83
Cooling Capacity at 5°F (-15°C)		Btu/h	40,000	40,000	45,000	48,000	62,500	60,000	60,000
Heating Capacity at 17°F (-8.33°C)		Btu/h	39,000	39,000	42,000	41,000	47,000	48,000	48,000
Heating Capacity at 5°F (-15°C)		Btu/h	36,000	36,000	42,000	42,000	45,000	43,000	43,000
Thermostat Type			Wire Control						
Operating Temp. Range	Cooling	°F	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122
	Heating	°F	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75

UNIT DIMENSIONS



THE EASY FIT™

AC3-SG3 Series

Cased Coil

18,000 Thru
36,000 btu



MODEL	Unit Width "W" inches	Unit Depth "D" inches	Unit Height "H" inches
AC3-1824A-SG3	14-1/2	21	18
AC3-1824B-SG3	17-1/2	21	18
AC3-2424A-SG3	14-1/2	21	18
AC3-2424B-SG3	17-1/2	21	18
AC3-3036A-SG3	14-1/2	21	23-5/16
AC3-3036B-SG3	17-1/2	21	23-1/2
AC3-3036C-SG3	21	21	24

MODEL	Unit Width "W" inches	Unit Depth "D" inches	Unit Height "H" inches
AC3-3636A-SG3	14-1/2	21	23-5/16
AC3-3636B-SG3	17-1/2	21	23-1/2
AC3-3636C-SG3	21	21	24
AC3-4860C-SG3	21-5/8	21-1/2	27-3/4
AC3-4860D-SG3	24-1/2	21	28
AC3-6060C-SG3	21-5/8	21-1/2	27-3/4
AC3-6060D-SG3	24-1/2	21	28



INSTALLATION

EVAPORATOR COIL

Can easily be removed by sliding out and configured according to the need of the multiple position installation



BLOWER FAN

Easily removable top panel grants access to the slide rail mounted blower assembly.

Easily accessible screw for disassembling the blower assembly from the unit

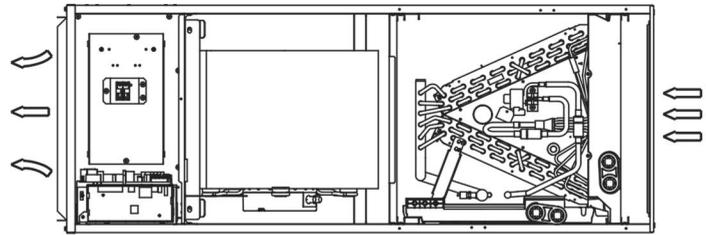


INSTALLATION

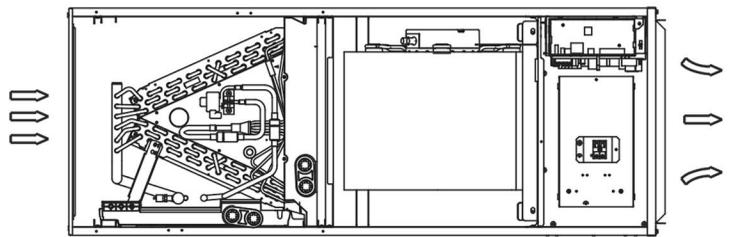


MULTI-POSITION

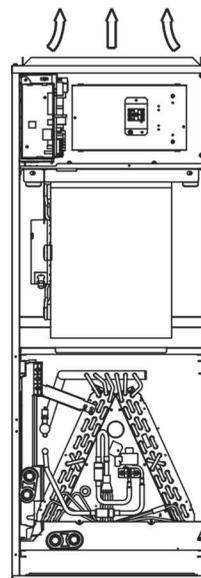
The unit may be installed as upflow, downflow, horizontal left or horizontal right orientations.



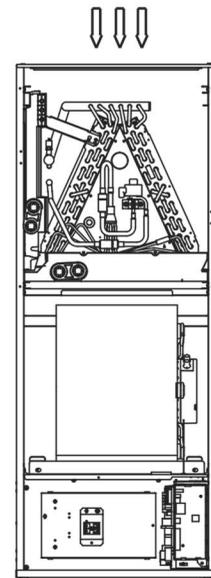
horizontal left



horizontal right



upflow



downflow

NOTE:
Vertical up and horizontal left installations, no need to change the direction of the evaporator.

INSTALLATION



EASY TO WIRE

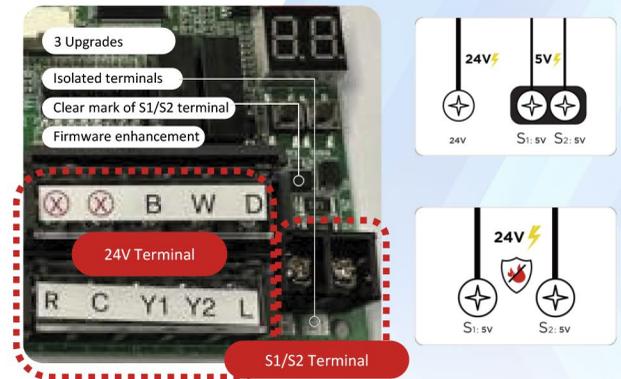
R454B Connection Board 24V with S1/S2 terminals positioned separately.

Simplified Connections

In the new connection board, the 24V and S1/S2 terminals are positioned separately, making it easier for installers to locate the correct terminals.

No Burnout with Mis-connections

The firmware has been upgraded and ensures that it won't experience burnout even if the communication wires are incorrectly connected.



HEATER

Easy to install with simple accessibility.

Heater Part No.
EAH-03E(UL)
EAH-05E(UL)
EAH-08E(UL)
EAH-10E(UL)

Heater Part No.
EAH-15E(UL)
EAH-20E(UL)
EAH-25E(UL)





CONTROLS

The Units CPR3 & CPH3 are Compatible with 485 Or 24v, Automatic identifying the control mode

- **Communication Mode** The Easy Fit inverter heat pump unit is able to precisely receive and process signals from the communicating air handler to manage the air temperature and airflow inside a home and maintain them at the most comfortable levels
- **Self-Adapt Mode**
The Easy Fit inverter heat pump analyze unit temperature and pressure changes to modify system operation.
- When paired with non-communicating equipment, it can perform just as effectively as a communicating inverter setup.



Part No. ARC-88B Wireless Remote Control

Remote Control Included.

Features:

- Transmission Indicator
- Temp °C/°F and Timer display
- Fan speed display
- Silence display
- Sleep display
- Mode display
- ON/OFF display
- Lock display
- FOLLOW ME display

CONTROLS



AWC-8P-LC-WIFI

Part No. AWC-8P-LC-WIFI Wired 7-day Programmable Control

Remote Control Compatible, Standard Wi-Fi Control Included

Features:

- Temp °C/°F and Timer display
- Transmission Indicator
- Fan speed display
- Lock display
- Mode display
- ON/OFF display
- Lock display
- Child Lock function, prevents unauthorized settings. Saves energy consumption, especially in shops, restaurants and offices



TBT-AB

Part No. TBT-AB

Features:

- Enhanced Compatibility, Simple Installation.
- Comfort Settings: Preset, Schedule, Vacation, I ECO, I Check.
- Stylish Design - 4-inch touchscreen with an intuitive user interface.
- Enhanced Compatibility - Functions seamlessly with 24V HVAC systems*.
- Employs over-the-air update technology (OTA) for future enhancements in comfort.

	ARC-88B	AWC-8P-LC-WIFI(12V)	TBT-AB
MODEL			
AHU3-SG3	Standard	Optional	Optional
SEF3-SG3	Standard	Optional	Optional
CWM3-SG3	Standard	Optional	Optional
CPK3-SG3	Standard	Optional	Optional

MATCH UP TABLES CPR3 SERIES



AHU3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
AHU3-18-SG3	CPR3-18CD(O)	18000	18.8	11	18000	9.1	7
AHU3-24-SG3	CPR3-24CD(O)	24000	18.1	11	26000	9.7	7.7
AHU3-30-SG3	CPR3-30CD(O)	30000	17	10.7	31000	8.5	6.6
AHU3-36-SG3	CPR3-36CD(O)	36000	16.1	10	36000	8.7	7
AHU3-48-SG3	CPR3-48CD(O)	48000	16	10	48000	8.5	7.2
AHU3-60-SG3	CPR3-60CD(O)	54000	15.2	8.6	54000	8.4	6.8



CWM3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
CWM3-18-SG3	CPR3-18CD(O)	18000	18.5	11.5	18000	9.4	7.2
CWM3-24-SG3	CPR3-24CD(O)	24000	17.4	10.8	25000	10.4	8.1
CWM3-30-SG3	CPR3-30CD(O)	30000	18.6	11	31000	8.7	6.7
CWM3-36-SG3	CPR3-36CD(O)	36000	16.7	10.2	37000	9.3	7.5



MATCH UP TABLES CPR3 SERIES

CPK3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
CPK3-18-SG3	CPR3-18CD(O)	18,000	16.8	11.5	18,000	8.8	6.8
CPK3-24-SG3	CPR3-24CD(O)	24,000	16	10	25,000	9	7
CPK3-30-SG3	CPR3-30CD(O)	30,000	16.6	10.5	30,000	8.1	6.6
CPK3-36-SG3	CPR3-36CD(O)	36,000	15.4	9.2	37,000	8.7	7.1



AC3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
AC3-1824A-SG3	CPR3-18CD(O)	18,000	16	10.2	19,000	8.6	6.9
AC3-1824B-SG3	CPR3-18CD(O)	18,000	16	10.2	19,000	8.6	6.9
AC3-2424A-SG3	CPR3-24CD(O)	24,000	16	10	25,000	9.5	7
AC3-2424B-SG3	CPR3-24CD(O)	24,000	16	10	25,000	9.5	7
AC3-3036A-SG3	CPR3-30CD(O)	29,000	15	9.8	29,000	8	6.5
AC3-3036B-SG3	CPR3-30CD(O)	29,000	15.4	10	31,000	8.5	6.8
AC3-3036C-SG3	CPR3-30CD(O)	29,000	15.4	10	32,000	8.5	6.8
AC3-3636A-SG3	CPR3-36CD(O)	34,000	14.3	9	36,000	8.5	6.8
AC3-3636B-SG3	CPR3-36CD(O)	36,000	14.8	10.2	36,000	8.7	7
AC3-3636C-SG3	CPR3-36CD(O)	36,000	14.8	10.2	36,000	8.7	7
AC3-4860C-SG3	CPR3-48CD(O)	47,000	14.7	9.5	47,000	8	6.5
AC3-4860D-SG3	CPR3-48CD(O)	45,000	14.7	9.5	46,000	7.5	6.5
AC3-6060C-SG3	CPR3-60CD(O)	51,000	14.5	8.5	49,000	8	6.5
AC3-6060D-SG3	CPR3-60CD(O)	50,000	14.3	8.1	48,000	7.3	6.3



MATCH UP TABLES CPH3 SERIES

AHU3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
AHU3-18-SG3	CPH3-18CD(O)	18000	19	12.5	19000	9.7	8
AHU3-24-SG3	CPH3-24CD(O)	23000	18.3	11.7	24000	10	8
AHU3-30-SG3	CPH3-30CD(O)	30000	16.8	11.7	34000	10	8.3
AHU3-30-SG3	CPH3-30CD(O)	36000	16.5	10	37000	8.2	6.7
AHU3-36-SG3	CPH3H-36CD(O)	36000	17.4	11.7	37000	10.2	8.6
AHU3-48-SG3	CPH3-48CD(O)	48000	16.5	10.5	50000	9.5	8
AHU3-60-SG3	CPH3-60CD(O)	54000	16	10	56000	9	8



SEF3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
SEF3-18-SG3	CPH3-18CD(O)	18000	19	12.5	18000	10.1	8.5
SEF3-24-SG3	CPH3-24CD(O)	24000	18.6	12	24000	10	8.1
SEF3-30-SG3	CPH3-30CD(O)	30000	17.2	12	33000	10.8	8.8
SEF3-36-SG3	CPH3-36CD(O)	36000	17.7	12	36000	10	8
SEF3-36-SG3	CPH3H-36CD(O)	36000	18	12	37000	10	8.2
SEF3-48-SG3	CPH3-48CD(O)	48000	17.5	12	48000	9.5	7.7
SEF3-60-SG3	CPH3-60CD(O)	54000	17.5	12	55000	9.5	7.7



MATCH UP TABLES CPH3 SERIES

CWM3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
CWM3-18-SG3	CPH3-18CD(O)	18000	19.3	12.1	19000	10.8	9.2
CWM3-24-SG3	CPH3-24CD(O)	22000	17.5	11.7	25000	10.5	8.2
CWM3-30-SG3	CPH3-30CD(O)	30000	17.5	11.7	32000	10.2	8.2
CWM3-36-SG3	CPH3H-36CD(O)	36000	16.8	11.2	37000	9.6	8



CPK3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
CPK3-18-SG3	CPH3-18CD(O)	18,000	16.8	12	19,000	10.5	8.5
CPK3-24-SG3	CPH3-24CD(O)	24,000	17.5	10.8	26,000	9.2	7.5
CPK3-30-SG3	CPH3-30CD(O)	30,000	16.3	11	31,000	9.5	8
CPK3-36-SG3	CPH3H-36CD(O)	36,000	15.4	10.2	37,000	9.8	8



MATCH UP TABLES CPH3 SERIES



AC3 Series

Indoor unit	Outdoor unit	Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Capacity (Btu/h)	HSPF2-4 (Btu/h/W)	HSPF2-5 (Btu/h/W)
AC3-1824A-SG3	CPH3-18CD(O)	18,000	16.1	11.7	19,000	9.5	7.8
AC3-1824B-SG3	CPH3-18CD(O)	18,000	16.1	11.7	19,000	9.5	7.8
AC3-2424A-SG3	CPH3-24CD(O)	24,000	16	10	25,000	9.5	7
AC3-2424B-SG3	CPH3-24CD(O)	24,000	16	10	25,000	9.5	7
AC3-3036A-SG3	CPH3-30CD(O)	30,000	15.3	10	30,000	9.3	7.7
AC3-3036B-SG3	CPH3-30CD(O)	29,000	16	10	32,000	10	8.5
AC3-3036C-SG3	CPH3-30CD(O)	29,000	16	10	32,000	10	8.5
AC3-3636A-SG3	CPH3H-36CD(O)	36,000	15.2	10.2	37,000	9	7.2
AC3-3636B-SG3	CPH3H-36CD(O)	36,000	15.8	10.7	38,000	9.4	7.9
AC3-3636C-SG3	CPH3H-36CD(O)	36,000	15.8	10.7	38,000	9.4	7.9
AC3-4860C-SG3	CPH3-48CD(O)	45,000	15.2	10	48,000	8.8	7.4
AC3-4860D-SG3	CPH3-48CD(O)	45,000	14.5	10	50,000	8.4	7.3
AC3-6060C-SG3	CPH3-60CD(O)	52,000	15.9	10	56,000	8.5	6.9
AC3-6060D-SG3	CPH3-60CD(O)	47,000	15.2	10	58,000	8.1	6.8
AC3-6060D-SG3	CPH3-60CD(O)	53,000	14.5	8.8	58,000	8.1	6.8



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