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Cooper & Hunter

UNIVERSAL 24V UNITS



***THE ULTIMATE SOLUTION
In 24V Cross-Compatible AHU and A-Coil Units***

Proud Sponsors



cooperandhunter.us | TECHNICAL SUPPORT 1-888-293-9252



18K TO 55K BTU
SINGLE-ZONE

Full range of options to fit
your lifestyle needs.

ADAPTIVE VOLTAGE
115V TO 208/230V

Automatically identifying the
required voltage, no need for
manual conversion.

SAME WIDTH AS YOUR
EXISTING GAS FURNACE

M-COIL
SYMMETRIC FAN BLOWER

Optimized structure brings
even airflow and higher
efficiency heat exchange.

SEER2: Up to 19
EER2: Up to 12.5
HSPF2: Up to 10.8
COP: Up to 3.6
STATIC PRESSURE: 1.2

100% HEATING
OUTPUT AT 0°F

Extraordinary Cold Climate
Heating Performance



Refrigerant
Sensor

MORE EFFICIENT THAN
YOUR OLD AHU UNIT



WATCH OUR
INFORMATIONAL
VIDEO

COOPER&HUNTER PEAQ MAKES IT EASY TO REPLACE YOUR EXISTING
GAS FURNACE, OLD AHU OR UNITARY SYSTEMS!



MULTI-POSITION AIR HANDLER UNIT

AHU 18K, 24K, 33K, 36K, 48K, 55K Btu/h

ADAPTIVE MULTI-VOLTAGE - 115V & 208-230V: All in one 115/208-230V Automatically identifying the required voltage without the need for manual conversion, eliminating the hassle of rewiring.

M-COIL: 2% Airflow difference between evaporators less than 0.02 in. W.C. pressure drop.

TU1 COPPER TUBES: Oxygen-free copper with higher purity copper content of over 99.97%, providing excellent electrical and thermal conductivity and superior corrosion and cold resistance.

SYMMETRIC FAN BLOWER DESIGN: Optimized structure brings even airflow and higher efficiency heat exchange.

SLIMMER INDOOR UNITS: The same width as most gas furnaces 14.5"-21.5" making the PEAQ unit an ideal replacement for your gas furnace.

AUXILIARY HEATER: Purchased separately as a backup heat option for indoor units, available in 5kW, 10kW, 15kW, and 20kW models.

REFRIGERANT LEAK SENSORS: Protects the compressor from damage due to refrigerant leaks by alerting user with error code "EC".

12V WIRED THERMOSTAT CONTROLLER INCLUDED: Also compatible with most third party 24V wired thermostats.

SMART KIT BUILT-IN: C&H's Smart Kit enables control from anywhere with C&H Remote app using any IOS or Android smart device.

TRUE MULTI-POSITION AIR HANDLER: Unit can be installed in Horizontal or Vertical, upward or downward positions for optimal space usage.



Line Set Model 3/4"	Line Set Model 1/2"	Line Set Size
PJX-N1-C16FTW-MAX	PJX-N1-C16FTW-MAX-i05	1/4" – 3/8"
PJX-N1-C25FTW-MAX	PJX-N1-C25FTW-MAX-i05	1/4" – 3/8"
PJX-N1-C50FTW-MAX	PJX-N1-C50FTW-MAX-i05	1/4" – 3/8"
PJX-N2-C16FTW-MAX	PJX-N2-C16FTW-MAX-i05	1/4" – 1/2"
PJX-N2-C25FTW-MAX	PJX-N2-C25FTW-MAX-i05	1/4" – 1/2"
PJX-N2-C50FTW-MAX	PJX-N2-C50FTW-MAX-i05	1/4" – 1/2"
PJX-N3-C16FTW-MAX	PJX-N3-C16FTW-MAX-i05	3/8" – 5/8"
PJX-N3-C25FTW-MAX	PJX-N3-C25FTW-MAX-i05	3/8" – 5/8"
PJX-N3-C50FTW-MAX	PJX-N3-C50FTW-MAX-i05	3/8" – 5/8"
PJX-N4-C25FTW-MAX		3/8" – 3/4"
PJX-N4-C50FTW-MAX		3/8" – 3/4"
PJX-N6-C25FTW-MAX		3/8" – 7/8"
PJX-N6-C50FTW-MAX		3/8" – 7/8"

NEW INVERTER TECHNOLOGY: NEW Inverter Algorithm can analyze more factors, including temperature difference and the tendency of temperature difference changes, with a more frequent temperature detection to guarantee a more accurate and smooth control of the compressor output.

EXTRAORDINARY COLD CLIMATE HEATING PERFORMANCE: True high performance hyper units provide 100% heating output at 0°F.

GOLD FIN: Gold coating in the condenser withstands salty air, rain and other corrosive elements, preventing bacteria growth.

DRAIN PAN HEATER: Factory installed drain pan heater in outdoor unit prevents ice accumulation, improving heat transfer efficiency.

ULTRA EFFICIENT DISCHARGE FAN: The horizontal fan and vertical heat exchanger guarantee more uniform and efficient heat exchanging velocity across the entire heat exchanger surface, preventing frost on the compressor's coils.

DELAY FUSE: A detachable delay fuse added to the system protects the wire set from outdoor to indoor, preventing overcurrent.



			HIGH PERFORMANCE HYPER							
INDOOR	Indoor Model			CH-PQ18AHU	CH-PQ24AHU	CH-PQ33AHU	CH-PQ36AHU	CH-PQ48AHU	CH-PQ55AHU	
	Power Supply	Rated	V, Ph, Hz	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	
	Cooling	Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	48,000	54,000	
		Rated Current	A	9.3	9.1	11.4	13.4	18	20.5	
	Heating	Rated Capacity	Btu/h	18,000	24,000	33,000	36,000	48,000	54,000	
		Rated Current	A	9.4	9.1	12.3	13.3	18.9	21.5	
	Minimum Circuit Ampacity (MCA)			A	5.5/3.5	5.5/3.5	8.0/6.05	8.0/6.0	14.5/10	14.5/10
	Max. Fuse			A	15	15	15	15	15	15
	Indoor Air Flow (TurboHI/Mi/Lo)			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	1236.1/1147.8/1059.5/971.2	1601.0/1442.1/1265.5/1088.9	1801.1/1648.1/1500.9/1236.1
	Indoor Noise Level (TurboHI/Mi/Lo)			dB(A)	N/A/42.5/40.5/37	N/A/47.5/44/33	49/47/45.5/31.5	N/A/49.5/48/31.5	N/A/53.0/49.5/33.5	60.0/57.0/54.5/37.0
External Static Pressure (ESP) Range			inWG	0-1.2	0-1.2	0-1.2	0-1.2	0-1.2	0-1.2	
Indoor	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		
	Packing (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	lbs.	123.02/154.76	123.02/154.76	149.25/182.10	149.25/182.10	186.51/232.14	164 188.05/238.32		
Room Temperature	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		
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"	

OUTDOOR	Outdoor Model			CH-PQ18-230V0	CH-PQ24-230V0	CH-PQ33-230V0	CH-PQ36X-230V0	CH-PQ48-230V0	CH-PQ55-230V0
	Power Supply	Rated	V, Ph, Hz	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60
		Voltage range	V	187-253	187-253	187-253	187-253	187-253	187-253
		Rated Current	A	10.5	14	18	18	28	31
Cooling	Capacity Min~Max	Btu/h	4600~23100	6400~28700	11200~40000	14800~41700	18000~52000	11400~60000	
	EER2		12.5	12	12	12	12	12	
	SEER2		19	18.6	17.2	17.7	17.5	17.5	
Heating at 47°F	Capacity Min~Max	Btu/h	5700~23100	6700~29100	9700~35800	10700~38400	13500~52000	8600~60000	
	COP	W/W	3.6	3.49	3.54	3.6	3.28	3.35	
	HSPF4		10.1	10	10.8	10	9.5	9.5	
	HSPF5		8.5	8.1	8.8	8	7.7	7.7	
Heating at 5°F (-15°C)	Rated Capacity	Btu/h	23600	25200	42500	39800	50000	54000	
Minimum Circuit Ampacity (MCA)		A	16	19	29.5	26	38	40	
Max. Fuse		A	20	20	30	30	40	40	
Outdoor Air Flow (Max.)		CFM	1,765.8	1765.8	3001.9	3001.9	3037.2	2648.7	
Outdoor Noise Level		dB(A)	56.5	59	62	62.5	65	64.5	
Outdoor Unit	Dimension (W×D×H)	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	37.48 x 16.34 x 52.48	
Packing (W×D×H)		inch	39.17x15.67x29.13	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	43.11 x 19.49 x 58.27	
Net/Gross Weight		lbs.	101.41/109.13	102.29/109.13	166.67/176.37	166.67/176.37	232.59/201.50	242.95/275.13	
Refrigerant Type/Quantity		oz.	R454B/74.08	R454B/74.08	R454B/105.82	R454B/126.99	R454B/134.04	R454B/183.42	
Refrigerant Precharge		ft.	25	25	25	25	25	25	
Additional Charge for each ft.		oz./ft.	0.7	0.7	0.7	0.7	0.7	0.7	
Design Pressure		PSIG	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. Pipe Length		ft.	164	164	164	213.2	246	246	
Max. Difference in Level		ft.	82	82	82	98.4	98.4	98.4	
Ambient Temperature	Cooling	ft.	-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	
Certifications		AHRI	✓	✓	✓	✓	✓	✓	
		ETL	✓	✓	✓	✓	✓	✓	
		Energy Star for Cold Climate	✓	✓	✓	✓	✓	✓	
		NEEP	✓	✓	✓	✓	✓	✓	

CH
Cooper & Hunter

A-COIL
M-COIL







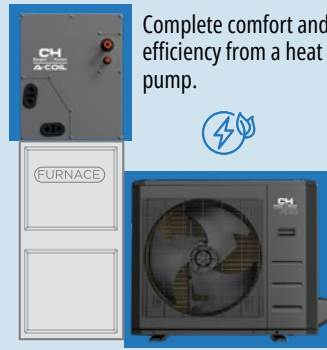
HOT Summer:
Efficient Cooling Capability

Maximize your comfort and efficiency while cooling your home.



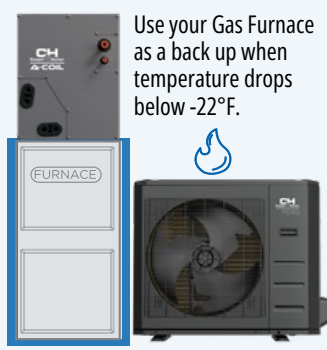
MILD Winter:
Dual-Fuel Capability

Complete comfort and efficiency from a heat pump.



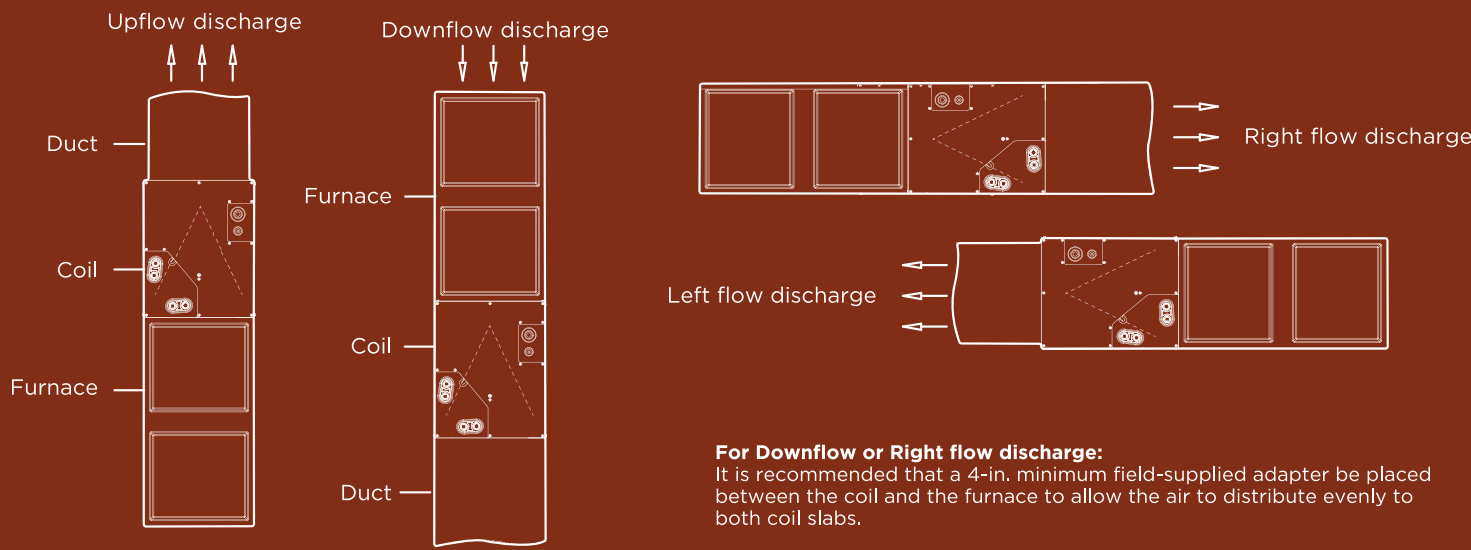
EXTREME Winter:
Dual-Fuel Capability

Use your Gas Furnace as a back up when temperature drops below -22°F.



Turn Your Existing Furnace into an Air Conditioner

Engineered for full compatibility with universal third party outdoor condensing units utilizing R454B refrigerant and a 24V control interface.





ENCASED
MULTI-POSITION
A-COIL + PEAQ SYSTEM



18K-60K Btu/h
MULTI-POSITION | SINGLE-ZONE SERIES



Refrigerant
Sensor



- Wide range for flexible installation (18K - 60K)
- Compatible with existing furnaces
- Multi-position Installation: Horizontal (left/right), Vertical (up/down)
- Completely insulated cabinet ensures the evaporator coil runs quietly and efficiently by providing sound and thermal proofing
- Full compatibility with universal third party outdoor condensing units utilizing R454B refrigerant and a 24V control interface
- TXV Valve
- Flared connection type
- Aluminum coil with anti-corrosive GoldFin coating
- R454B refrigerant sensor
- Easy access for coil maintenance
- Multiple control options available: 2-way communication wired controller with Built-in Smart communication (120F Thermostat) or third party 24V Thermostat
- Durable L-shaped drain pans with a precise slope for efficient water drainage and better moisture removal.



INDOOR			CH-ACL18-24A	CH-ACL18-24B	CH-ACL18-24A	CH-ACL18-24B	CH-ACL30-36B	CH-ACL30-36C	CH-ACL30-36B	CH-ACL30-36C	CH-MCL48-60C	CH-ACL48-60D	CH-MCL48-60C	CH-ACL48-60D
Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
	V		24	24	24	24	24	24	24	24	24	24	24	24
Rated Capacity	Cooling	Btu/h	18,000	18,000	24,000	24,000	29,000	29,000	36,000	36,000	45,000	45,000	52,000	53,000
	Heating	Btu/h	19,000	19,000	25,000	25,000	32,000	32,000	38,000	38,000	48,000	50,000	56,000	58,000
Indoor	Dimension (WxDxH)	inch	14.5 x 21 x 18	17.5 x 21 x 18	14.5 x 21 x 18	17.5 x 21 x 18	17.5 x 21 x 23.5	21 x 21 x 24	17.5 x 21 x 23.5	21 x 21 x 24	21.62 x 21.5 x 27.75	24.5 x 21 x 28	21.62 x 21.5 x 27.75	24.5 x 21 x 28
	Packing (WxDxH)	inch	17.5 x 25.37 x 20.62	20.5x 26.12 x 20.87	17.5 x 25.37 x 20.62	20.5x 26.12 x 20.87	20.5 x 26.12 x 26.37	24.02 x 26.12 x 26.37	20.5 x 26.12 x 26.37	24.02 x 26.12 x 26.37	31.12 x 25 x 25.62	27.75x 26.12 x 30.37	31.12 x 25 x 25.62	27.75x 26.12 x 30.37
	Net/Gross Weight	lbs.	42 / 50	42 / 50	42 / 50	42 / 50	59.5 / 68	64 / 74	59.5 / 68	64 / 74	97 / 115	81 / 92	97 / 115	81 / 92
Room Temperature	Cooling	°F	60~90	60~90	60~90	60~90	60~90	60~90	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	32~86	32~86	32~86	32~86	32~86	32~86
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"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"

OUTDOOR			CH-PQ18-230V0	CH-PQ24-230V0	CH-PQ33-230V0	CH-PQ36X-230V0	CH-PQ48-230V0	CH-PQ55-230V0
Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
	Voltage Range	V	187-253	187-253	187-253	187-253	187-253	187-253
Cooling	Capacity Min~Max	Btu/h	5,600~22,800	7,900~27,600	13,900~37,900	12,100~41,000	16,000~48,000	15,500~47,000
	Rated Current	A	8.3	9	9.7	14.6	19.6	18.3
	EER2		11.7	10	10	10.7	10	10
	SEER2		16.1	16	16	15.8	15.2	14.5
	Capacity Min~Max	Btu/h	5,600~22,800	6,500~30,000	13,00~40,000	11,500~46,000	16,000~50,000	16,000~52,000
Heating at 47°F	Rated current	A	10	8.5	10.8	14.7	19.6	19
	COP	W/W	3.3	3.2	3.37	3.3	3.12	3.15
	HSPF4		9.5	9.5	10	9.4	8.8	8.4
	HSPF5		7.8	7	8.5	7.9	7.4	7.3
	Minimum Circuit Ampacity	A	16	19	29.5	29	38	38
Max.Fuse (Outdoor Unit)		A	20	20	30	30	40	40
Outdoor	Dimension (WxDxH)	inch	35 x 13.5 x 26.5	35 x 13.5 x 26.5	37.25 x 16.12 x 31.87	38.56x 16.37 x 38.37	38.56x 16.37 x 38.37	37.5 x 16.37 x 52.5
	Packing (WxDxH)	inch	39.12 x 15.62 x 29.12	39.12 x 15.62 x 29.12	42.87x 19.62 x 34.87	45.06 x 19.62 x 42.5	45.06 x 19.62 x 42.5	43.12 x 19.5x 58.25
	Net/Gross Weight	lbs.	101 / 109	102 / 109	164 / 175	204 / 235	201 / 232	242 / 275
Refrigerant Type / Charge		oz.	R454B / 74.08	R454B / 74.08	R454B / 105.82	R454B / 126.99	R454B / 134.04	R454B / 183.42
Refrigerant Precharge Length		ft.	25	25	25	25	25	25
Additional Charge for Each ft.		oz/ft	0.7	0.7	0.7	0.7	0.7	0.7
Design Pressure		PSIG	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. Pipe Length		ft.	98	164	164	246	246	246
Max. Difference in Level		ft.	66	82	82	98	98.4	98
Ambient Temperature	Cooling	°F	-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
Certifications	ETL		✓	✓	✓	✓	✓	✓
	AHRI		✓	✓	✓	✓	✓	✓
	Energy Star for Cold Climate		✓	✓	✓	✓		
	NEEP		✓	✓	✓	✓	✓	✓

STUD MOUNTED AHU + PEAQ SYSTEM



18K-36K Btu/h SINGLE-ZONE SERIES



Refrigerant Sensor

AUXILIARY HEATER	
3kW	CH-NRSMEH03KW
5kW	CH-NRSMEH05KW
8kW	CH-NRSMEH08KW
10kW	CH-NRSMEH10KW



C&H 24V Thermostat
Purchased Separately

24V STUD MOUNTED AHU SYSTEM
AHU 18K, 24K, 30K, 36K Btu/h

CONSTANT AIR FLOW SYSTEM: UP TO 0.80 IN W.G.

OPTIONAL AUXILIARY HEATER: Purchased separately as a backup heat option for indoor units, available in 3kW, 5kW, 8kW, and 10kW models.

TU1 COPPER TUBES: Oxygen-free copper with higher purity copper content of over 99.97%, providing excellent electrical and thermal conductivity and superior corrosion and cold resistance.

ALUMINUM COIL: Fewer corrosion points than copper coils.

MULTIPLE CONTROLLER OPTIONS AVAILABLE: Cooper&Hunter wired controller with wifi capabilities using the C&H App, Compatible with most 24V wired thermostats.

INDOOR			CH-STM18AHU24V	CH-STM24AHU24V	CH-STM30AHU24V	CH-STM36AHU24V
Indoor Model						
Power Supply	Rated	V, Ph, Hz	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60
	Voltage range	V	187-253	187-253	187-253	187-253
Cooling	Rated Capacity	Btu/h	18,000	22,000	30,000	36,000
	Rated Current	A	9.0	9.8	11.4	14.0
Heating	Rated Capacity	Btu/h	19,000	25,000	32,000	37,000
	Rated Current	A	9.5	8.6	12.6	13.9
Minimum Circuit Ampacity (MCA)		A	4	4	6	6.5
Max. Fuse		A	15	15	15	15
Indoor Air Flow (TurboHi/Mi/Lo)		CFM	618.0 / 576.8 / 529.7 / 488.5 / 488.5	824.0 / 759.3 / 694.5 / 629.8 / 629.8	988.8 / 894.7 / 806.4 / 712.2 / 712.2	1189.0 / 1083.0 / 971.2 / 865.2 / 865.2
Indoor Noise Level (TurboHi/Mi/Lo)		dB(A)	48/47/45/39/39	53/51/48/37.5/37.5	51/50/46/35/35	52/52/48.5/36.5/36.5
External Static Pressure (ESP) Range		inWG	0.8	0.8	0.8	0.8
Indoor	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
	Packing (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	lbs.	111.33/91.49	91.49/111.33	110.23/131.39	109.57/130.73
Room Temperature	Cooling	°F	60~90	60~90	60~90	60~90
	Heating	°F	32~86	32~86	32~86	32~86
Liquid Side/Gas side		inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"

OUTDOOR			CH-PQ18-230V0	CH-PQ24-230V0	CH-PQ33-230V0	CH-PQ36X-230V0
Outdoor Model						
Power Supply	Rated	V, Ph, Hz	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60
	Voltage range	V	187-253	187-253	187-253	187-253
Cooling	Capacity Min~Max	Btu/h	6,600~21,900	10,100~27,600	11,900~3,800	13,700~41,500
	EER2		12.1	11.7	11.7	11.2
Heating at 47°F	SEER2		19.3	17.5	17.5	16.8
	Capacity Min~Max	Btu/h	6,800~23,000	7,000~32,200	10,300~40,200	10,100~48,500
	COP	W/W	3.8	3.8	3.45	3.4
	HSPF4		10.8	10.5	10.2	9.6
	HSPF5		9.2	8.2	8.2	8
Minimum Circuit Ampacity (MCA)		A	16	19	29.5	29
Max. Fuse		A	20	20	30	30
Outdoor Air Flow (Max.)		CFM	1765.8	1765.8	3001.9	3001.9
Outdoor Noise Level		dB(A)	58.5	59	62.5	64
Outdoor 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	38.58 x 16.34 x 38.39
Packing (WxDxH)		inch	39.17 x 15.67 x 29.13	39.17 x 15.67 x 29.13	42.91 x 19.69 x 34.84	45.08 x 19.69 x 42.52
Net/Gross Weight		lbs.	101.41/109.13	101.41/109.13	164.02/174.60	204.15/235.23
Refrigerant Type/Quantity		oz.	R454B/74.08	R454B/74.08	R454B/105.82	R454B/126.99
Refrigerant Precharge		ft.	25	25	25	25
Additional Charge for each ft.		oz./ft.	0.7	0.7	0.7	0.7
Design Pressure		PSIG	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"
Max. Pipe Length		ft.	98.40	164	164	246
Max. Difference in Level		ft.	65.60	82	82	98.40
Ambient Temperature	Cooling	ft.	-22~122	-22~122	-22~122	-22~122
	Heating	°F	-22~75	-22~75	-22~75	-22~75
Certifications	AHRI		✓	✓	✓	✓
	ETL		✓	✓	✓	✓
	Energy Star for Cold Climate		✓	✓	✓	✓
	NEEP		✓	✓	✓	✓

CH Cooper & Hunter ALTO *Heat Pump*

24V
COMMUNICATION



CH Cooper & Hunter ALTO

Heat Pump



24V MULTI-POSITION AIR HANDLER SYSTEM

AHU 18K, 24K, 30K, 36K, 48K, 60K Btu/h

TRUE MULTI-POSITION AIR HANDLER: Can be installed in Horizontal or Vertical upward and downward positions for optimal space usage.

CONSTANT AIR FLOW SYSTEM: UP TO 0.80 IN W.G.

OPTIONAL AUXILIARY HEATER: Purchased separately as a backup heat option for indoor units, available in 5kW, 10kW, 15kW, and 20kW models.

TU1 COPPER TUBES: Oxygen-free copper with higher purity copper content of over 99.97%, providing excellent electrical and thermal conductivity and superior corrosion and cold resistance.

ALUMINUM COIL: Fewer corrosion points than copper coils.

REFRIGERANT LEAK DETECTION: Protects the compressor from damage due to refrigerant leak by alerting user with error code “EC”.

MULTIPLE CONTROLLER OPTIONS AVAILABLE: Cooper&Hunter wired controller with wifi capabilities using the C&H App, Compatible with most 24V wired thermostats.

24V
COMMUNICATION



AUXILIARY HEATER	
5kW	CH-NREH05KW
10kW	CH-NREH10KW
15kW	CH-NREH15KW
20kW	CH-NREH20KW



AHU INDOOR

Indoor Multi Position AHU Model			CH-MP18AHU24V	CH-MP24AHU24V	CH-MP30AHU24V	CH-MP36AHU24V	CH-MP48AHU24V	CH-MP60AHU24V
Power Supply	Rated	V, Ph, Hz	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60
Cooling	Rated Capacity	Btu/h	18,000	23,000	30,000	34,000	48,000	54,000
	Rated Current	A	8.3	12.6	13.9	19.1	25.8	29.5
Heating	Rated Capacity	Btu/h	18,000	23,000	30,000	34,000	48,000	54,000
	Rated Current	A	7	9.6	12.3	14.9	27.3	23
Minimum Circuit Ampacity 115(208/230)		A	5.5/4.0	4.4/3	4.4/3	8/6	5/8	7.5
Max. Fuse		A	15	15	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)		CFM	618 / 574 / 530 / 486 / N/A	824.04 / 759.29 / 694.55 / 629.80 / -	989 / 896 / 803 / 710 / N/A	1188.97 / 1083.02 / 971.19 / 865.24 / N/A	1601 / 1398 / 1194 / 991 / 594	1,730 / 1,501 / 1,271 / 1,042 / N/A
Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)		dB(A)	44/42/40/37/N/A	49/46/44/39.5/N/A	53/47/44/39/N/A	49/46/42.5/41/N/A	N/A/52/48/44/N/A	58/55/50/44/N/A
External Static Pressure		in. WG	0.8	0.8	0.8	0.8	0.8	0.8
N.A. Design pressure		PSI	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
Indoor	Dimension (WxDxH)	inch	17.52 x 21.02 x 45.00	17.52 x 21.02 x 45.00	17.52 x 21.02 x 45.00	21.02 x 21.02 x 49.02	21.02 x 21.02 x 49.02	21.02 x 21.02 x 49.02
	Packing (WxDxH)	inch	26.57 x 20.87 x 48.62	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	26.57 x 24.41 x 52.56
	Net/Gross Weight	lbs.	105/127	105/127	109/130	125.88/150.79	133/158	133.16/156.97
Room Temperature	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
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"

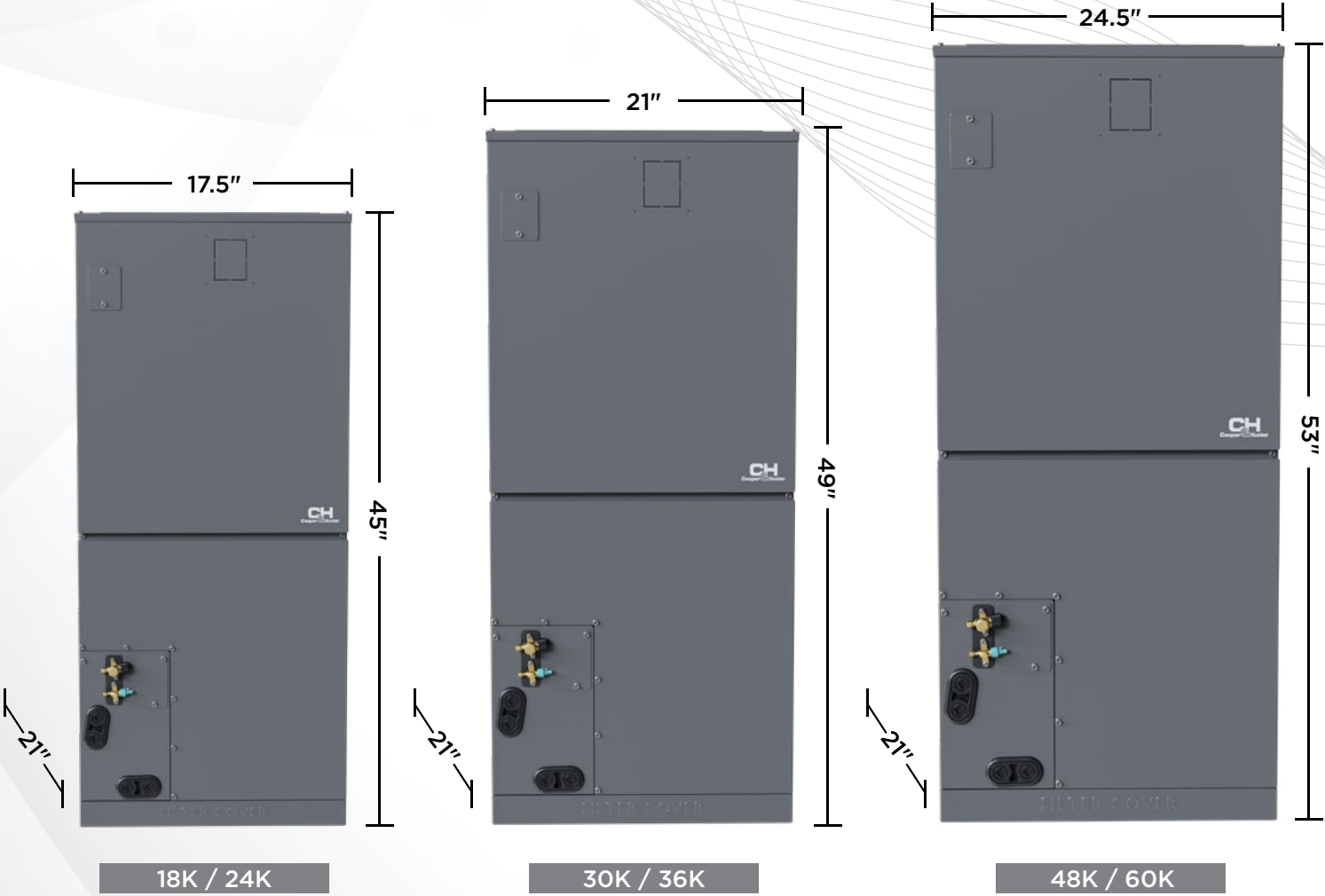
ALTO OUTDOOR

Outdoor ALTO Model			CH-ALT18HP24V-230VO	CH-ALT24HP24V-230VO	CH-ALT30HP24V-230VO	CH-ALT36HP24V-230VO	CH-ALT48HP24V-230VO	CH-ALT60HP24V-230VO
Power Supply	Rated	V, Ph, Hz	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60
Cooling	Rated Current	A	8.3	12.6	13.9	18.5	25.8	29.5
	Capacity Min~Max	Btu/h	6,100~20,700	7300~23500	7,300~30,400	6700~34,100	9,100~50,100	16100~56500
	EER2		9.5	8	9.1	8.1	8	8.3
	SEER2		17	16.4	17.6	15.2	15.2	16
Heating at 47°F	Capacity Min~Max	Btu/h	7,400~20,100	8100~25400	7,100~32,400	11,400~35,400	11,300~52,600	10,800~58,400
	COP	W/W	3.34	3	3.18	2.98	2.33	3
	HSPF4		8.3	8.7	9.2	8.6	8.2	8.1
	HSPF5		6.6	6.9	7.2	6.6	6.8	6.6
Minimum Circuit Ampacity (MCA)		A	16	20	20	22	32	39
Max. Fuse		A	20	25	25	25	35	40
Outdoor Air Flow (Max.)		CFM	1236.0	1450.9	1766.0	1766.0	2825.0	3037.0
Outdoor Noise Level		dB(A)	49.68	53.2	55.27	59.0	60.6	62.4
Outdoor Unit	Dimension (W×D×H)	inch	30.12 x 11.93 x 21.85	31.69 x 12.99 x 21.81	35.04 x 13.46 x 26.50	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89	38.58 x 16.34 x 38.39
	Packing (W×D×H)	inch	34.92 x 13.27 x 24.02	36.02 x 14.57 x 24.21	39.17 x 15.67 x 29.13	39.17 x 15.67 x 29.13	42.91 x 19.68 x 34.84	45.08 x 19.68 x 42.52
	Net/Gross Weight	lbs.	66.80/73.19	79.37/85.54	99.21/106.92	110.89/118.61	168.43/179.23	192.68/224.21
Refrigerant Type			R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant Precharge		oz	49.38	67.18	74.08	98.77	123.46	134.0
Additional Charge for each ft.		oz/ft	0.7	0.7	0.7	0.7	0.7	0.7
Design Pressure		PSIG	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. Pipe Length		ft.	98.4	164	164	246	246	246
Max. Difference in Level		ft.	65.6	82	82	98.4	98.4	98.4
Ambient Temperature	Cooling	ft.	-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
Certifications	AHRI		✓	✓	✓	✓	✓	✓
	ETL		✓	✓	✓	✓	✓	✓
	Energy Star for Cold Climate							
	NEEP		✓	✓	✓	✓	✓	✓

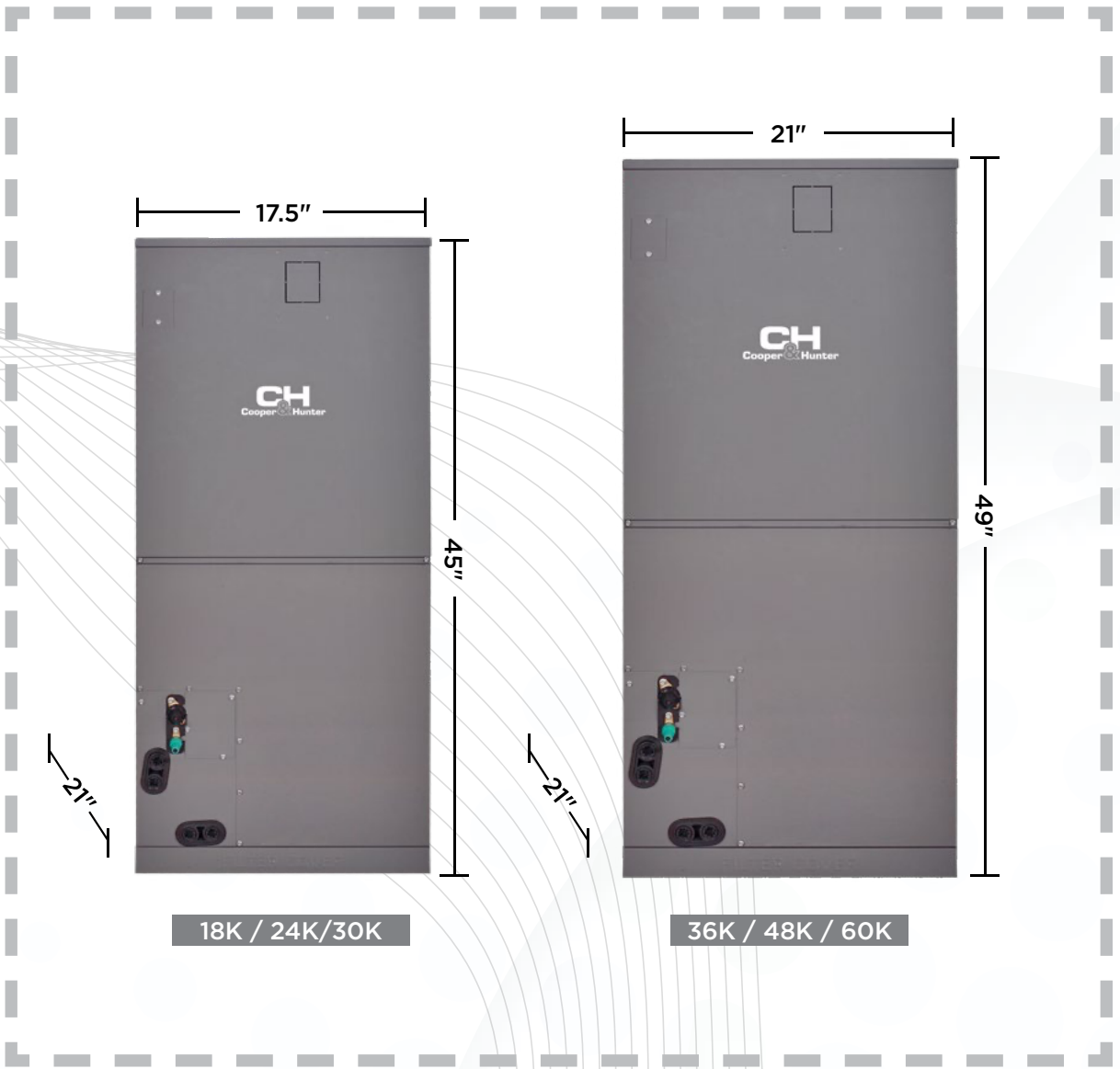
NEW SIZE AIR HANDLER



**STANDARD INVERTER
COOPER&HUNTER AIR HANDLER**

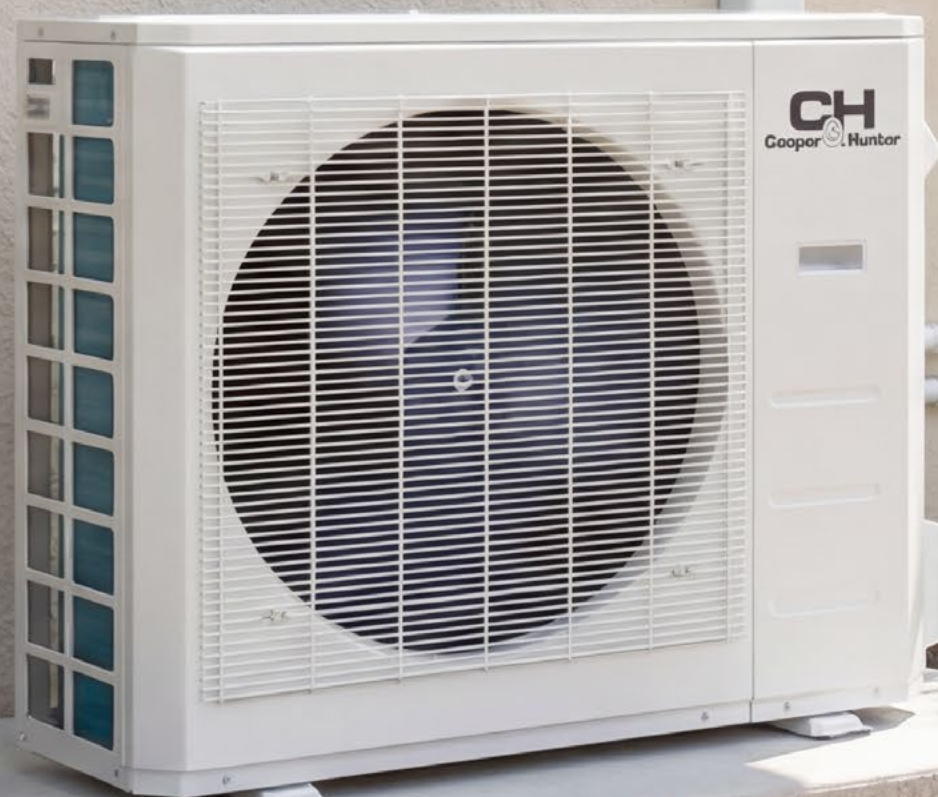


**NEW 24V COMMUNICATION
COOPER&HUNTER INVERTER AIR HANDLER**



CH Cooper & Hunter OMNI

Cooling Only



24V
COMMUNICATION



CH Cooper & Hunter OMNI

Cooling Only

24V
COMMUNICATION



Refrigerant
Sensor

AUXILIARY HEATER	
3kW	CH-NRSMEH03KW
5kW	CH-NRSMEH05KW
8kW	CH-NRSMEH08KW
10kW	CH-NRSMEH10KW



C&H 24V Thermostat
Purchased Separately

24V STUD MOUNTED COOLING ONLY AHU SYSTEM AHU 18K, 24K, 30K, 36K Btu/h

CONSTANT AIR FLOW SYSTEM: UP TO 0.80 IN W.G.

OPTIONAL AUXILIARY HEATER: Purchased separately as a backup heat option for indoor units, available in 3kW, 5kW, 8kW, and 10kW models.

TU1 COPPER TUBES: Oxygen-free copper with higher purity copper content of over 99.97%, providing excellent electrical and thermal conductivity and superior corrosion and cold resistance.

ALUMINUM COIL: Fewer corrosion points than copper coils.

MULTIPLE CONTROLLER OPTIONS AVAILABLE: Cooper&Hunter wired controller with wifi capabilities using the C&H App, Compatible with most 24V wired thermostats.

Indoor Stud Mounted AHU Model			CH-STM18AHU24V	CH-STM24AHU24V	CH-STM30AHU24V	CH-STM36AHU24V
Power Supply	Rated	V, Ph, Hz	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60	115/208/230, 1, 60
	Rated Capacity	Btu/h	18,000	24,000	30,000	34,000
Cooling	Rated Current	A	6.5	9.2	12.0	13.9
	Minimum Circuit Ampacity (MCA)	A	4	4	6	6.5
Max. Fuse		A	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo)		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	1189.0 / 1083.0 / 971.2 / 865.2
Indoor Noise Level (Turbo/Hi/Mi/Lo)		dB(A)	48.0/47/45/39	53.0/51/48/37.5	50.5/50/48/36	~50.5/48/36.5
External Static Pressure		in. WG	0.8	0.8	0.8	0.8
N.A. Design pressure		PSI	550 / 340	550 / 340	550 / 340	550 / 340
Indoor	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
	Packing (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	lbs.	111.33/91.49	91.49/111.33	110.23/131.39	109.57/130.73
Room Temperature		Cooling °F	60~90	60~90	60~90	60~90
Liquid Side/Gas side		inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"

Outdoor OMNI Model (Cooling Only)			CH-OMN18CL24V-230VO	CH-OMN24CL24V-230VO	CH-OMN30CL24V-230VO	CH-OMN36CL24V-230VO
Power Supply	Rated	V, Ph, Hz	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60
	Rated Current	A	6.5	9.2	12.0	13.9
Cooling	Capacity Min~Max	Btu/h	6600~20000	9100~28000	8900~30000	8600~35000
	EER2		12	11.3	10.9	11
	SEER2		19	17.9	17.4	17.7
Minimum Circuit Ampacity (MCA)		A	16	19	20	25
Max. Fuse		A	20	20	20	25
Outdoor Air Flow (Max.)		CFM	1,413	1,766	1,825	3,002
Outdoor Noise Level		dB(A)	54	56	58	58
Outdoor Unit	Dimension (WxDxH)	inch	31.69 x 12.99 x 21.81	35.04 x 13.46 x 26.50	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89
	Packing (WxDxH)	inch	36.02 x 14.57 x 24.21	39.17 x 15.67 x 29.13	39.17 x 13.46 x 29.13	42.91 x 16.14 x 34.84
	Net/Gross Weight	lbs.	66.80/73.41	89.29/97.00	98.33/105.60	134.26/144.40
Refrigerant Type			R454B	R454B	R454B	R454B
Refrigerant Precharge		oz	65	52.21	81.13	91.71
Additional Charge for each ft.		oz/ft	0.7	0.7	0.7	0.7
Design Pressure		PSIG	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"
Max. Pipe Length		ft.	98.4	164	164	246
Max. Difference in Level		ft.	66	82	98	98
Ambient Temperature		Cooling ft.	-13~122	-13~122	-13~122	-13~122
Certifications	AHRI		✓	✓	✓	✓
	ETL		✓	✓	✓	✓
	Energy Star for Cold Climate					
	NEEP		✓	✓	✓	✓

Cooling Only



ENCASED A-COIL COOLING ONLY SYSTEM

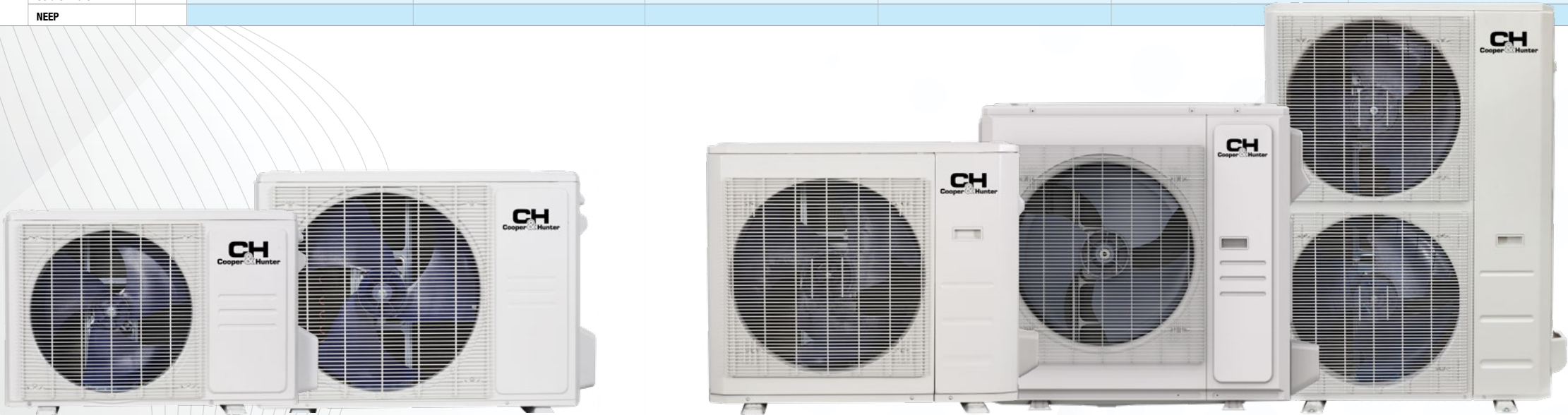
AHU 18K, 24K, 30K, 36K, 48K, 60K Btu/h

INDOOR

Indoor Model			CH-ACL18-24A	CH-ACL18-24B	CH-ACL18-24A	CH-ACL18-24B	CH-ACL30-36B	CH-ACL30-36C	CH-ACL30-36B	CH-ACL30-36C	CH-MCL48-60C	CH-ACL48-60D	CH-MCL48-60C	CH-ACL48-60D
Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
	Communication	V	24	24	24	24	24	24	24	24	24	24	24	24
Rated Capacity	Cooling	Btu/h	18,000	18,000	23,000	23,000	29,000	29,000	34,000	34,000	44,000	47,000	52,000	54,000
	Dimension (WxDxH)	inch	14.5 x 21 x 18	17.5 x 21 x 18	14.5 x 21 x 18	17.5 x 21 x 18	17.5 x 21 x 23.5	21 x 21 x 24	17.5 x 21 x 23.5	21 x 21 x 24	21.62 x 21.5 x 27.75	24.5 x 21 x 28	21.62 x 21.5 x 27.75	24.5 x 21 x 28
Indoor	Packing (WxDxH)	inch	17.5 x 25.37 x 20.62	20.5x 26.12 x 20.87	17.5 x 25.37 x 20.62	20.5x 26.12 x 20.87	20.5 x 26.12 x 26.37	24.02 x 26.12 x 26.37	20.5 x 26.12 x 26.37	24.02 x 26.12 x 26.37	31.12 x 25 x 25.62	27.75x 26.12 x 30.37	31.12 x 25 x 25.62	27.75x 26.12 x 30.37
	Net/Gross Weight	lbs.	42 / 50	42 / 50	42 / 50	42 / 50	59.5 / 68	64 / 74	59.5 / 68	64 / 74	97 / 115	81 / 92	97 / 115	81 / 92
Room Temperature	Cooling	°F	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90
	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"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"

OUTDOOR

Outdoor Model			CH-OMNI18CL24V-230VO	CH-OMNI24CL24V-230VO	CH-OMNI30CL24V-230VO	CH-OMNI36CL24V-230VO	CH-OMNI48CL24V-230VO	CH-OMNI60CL24V-230VO
Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
	Voltage Range	V	187-253	187-253	187-253	187-253	187-253	187-253
Cooling	Capacity Min~Max	Btu/h	5,100~21,100	7,600~28,700	8,200~31,000	8,800~35,800	17,600~52,000	13,600~50,000
	Rated Current	A	5.9	8.0	12.3	14.5	16.4	18.7
	EER2		11.2	10.6	10.2	10.2	9.8	9.0
	SEER2		16.0	15.5	15.2	15.6	15.23	14.6
Minimum Circuit Ampacity		A						
Max.Fuse (Outdoor Unit)		A						
Outdoor	Dimension (WxDxH)	inch	31.69 x 12.99 x 21.81	35.04 x 13.46 x 26.50	37.25 x 16.12 x 31.87	37.25 x 16.12 x 31.87	38.58 x 16.34 x 38.39	37.48 x 16.34 x 52.48
	Packing (WxDxH)	inch	36.02 x 14.57 x 24.21	39.17 x 15.67 x 29.13	42.87x 19.62 x 34.87	42.87x 19.62 x 34.87	45.08 x 19.68 x 42.52	43.11 x 16.34 x 58.27
	Net/Gross Weight	lbs.	66.80/73.41	89.29/52.21	98.33/105.60	134.26/144.40	187.17/218.48	212.30/244.49
Refrigerant Type / Charge		oz.	R454B / 42.33	R454B / 74.08	R454B / 81.13	R454B / 91.71	R454B / 141.10	R454B / 160.32
Refrigerant Precharge Length		ft.	25	25	25	25	25	25
Additional Charge for Each ft.		oz/ft	0.7	0.7	0.7	0.7	0.7	0.7
Design Pressure		PSIG	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. Pipe Length		ft.	98	164	164	246	246	246
Max. Difference in Level		ft.	66	82	98	98	98	98
Ambient Temperature	Cooling	°F	-13~122	-13~122	-13~122	-13~122	-13~122	-13~122
Certifications	ETL		✓	✓	✓	✓	✓	✓
	AHRI		✓	✓	✓	✓	✓	✓
	Energy Star for Cold Climate							
	NEEP							





18K, 24K, 30K, 36K, 48K, 60K BTU
SPLIT SYSTEM - TOP DISCHARGE - COOLING ONLY

Cooling Only



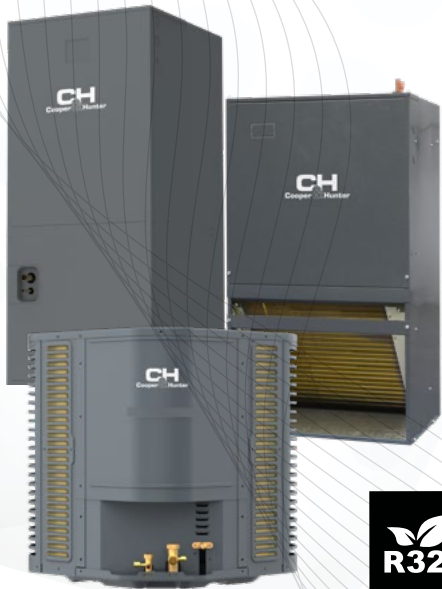
COMPATIBLE WITH ALL 3RD PARTY 24V WALL THERMOSTATS

SPLIT SYSTEM

CH

Cooper & Hunter

Cooling Only



SPLIT SYSTEM

TOP DISCHARGE - COOLING ONLY

Wall Mount:
18K, 24K, 30K, 36K
Standard AHU:
18K, 24K, 30K, 36K, 48K, 60K

Features

- A-shaped coil
- Fully-insulated cabinet design to achieve 2% or less air leakage rate.
- Multi-Stage blower Speed Control
- Multi-Position Air Handler, 4-position installation
- Horizontal and vertical condensate drain pans
- Electric heater kits 5, 7.5, 10, 15, 20 kW available as accessories
- Dual front panel, volute and coil with slide track
- Integrated filter rack with toolless door access
- Easy-to-braze copper evaporator connection
- Advanced internal welding process to reduce potential corrosion
- AHRI and ETL listed
- R32 refrigerant sensor ensures safe operation.

AUXILIARY HEATER	
5kW	CH-NREH05KW
10kW	CH-NREH10KW
15kW	CH-NREH15KW
20kW	CH-NREH20KW

			WALL MOUNTED AHU				
INDOOR	Indoor Model		CH-UC18AHUWM	CH-UC24AHUWM	CH-UC30AHUWM	CH-UC36AHUWM	
	Cooling Capacity		Btu/h	17000	22000	28000	33000
	Refer to Room Area		SF	269	355	441	516
	MCA		A	4	5	5	5
	MOP		A	6	6	6	6
	Indoor fan motor	Type		ECM	ECM	ECM	ECM
		Power supply	V/Ph/Hz	AC220-240V/50 60Hz	AC220-240V/50 60Hz	AC220-240V/50 60Hz	AC220-240V/50 60Hz
		rate current	A	2.6	3.8	3.8	3.8
		Output	W	249	373	373	373
		Speed	rpm	1050	1050	1050	1050
Indoor coil	Number of row		5	5	5	5	
	Fin spacing	in	1/16	1/16	1/16	1/16	
	Fin material		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	
	Tube outside diameter	in	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	
	Tube material		inner grooved	inner grooved	inner grooved	inner grooved	
	Number of circuit		6	8	8	8	
Indoor air flow		CFM	630	865	1065	1065	
Indoor noise level		dB(A)	51	51	53	54	
External Static Pressure			0.5	0.5	0.5	0.5	
Throttling type			Piston	Piston	Piston	Piston	
Electric heater		kW	5/7.5kW	5/7.5/10kW	5/7.5/10kW	5/7.5/10kW	
Indoor dimension	Unit dimension(W*D*H)	in	20.5×15×36.5	22x19x39.5	22x19x39.5	22x19x39.5	
	Packing (WxDxH)	in	23.6×17.5×39.5	24.5x22.2x42.1	24.5x22.2x42.1	24.5x22.2x42.1	
	Net / Gross weight	lbs	44.5	55	55	55	

OUTDOOR	Outdoor Model			CH-UC18-230VO	CH-UC24-230VO	CH-UC30-230VO	CH-UC36-230VO
	Outdoor power supply		V/Ph/Hz	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
	Electrical Data	Min./Max.Voltage	V	187/253	187/253	187/253	187/253
		MCA	A	16	20	26	32
		MOP	A	20	25	35	40
	Cooling	Capacity	Btu/h	17600	22700	29000	33000
		EER2		11.7	11.7	11.7	11.7
		SEER2		14.3	14.3	14.3	14.3
	Compressor	Type		Rotary	Rotary	Rotary	Rotary
		Locked rotor Amp	(LRA)(A)	47	59	71	75
	Outdoor fan motor	Type		psc	psc	psc	psc
		Output	W	70	115	205	205
		Output	HP	1/10	1/7	1/6	1/6
		Full Load Amps	(FLA)(A)	0.7	0.9	1.4	1.4
	Outdoor Unit	Unit (WxHxD)	inch	21.8×25×21.8	21.8×25×21.8	29.14×25×29.14	29.14×25×29.14
		Packing (WxHxD)	inch	22.6×25.9×22.6	22.6×25.9×22.6	30.5×26.75×x30.5	29.9×25.90×x29.9
Net / Gross weight		lbs	126/132	127/132	158/168	160/170	
Refrigerant system	Liquid side	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8	
	Gas side	inch	Φ3/4	Φ3/4	Φ3/4	Φ3/4	
	Max. refrigerant pipe length	ft	130	130	130	130	
	Max. difference in level	ft	65	65	65	65	
	Refrigerant Type / Charging	ft	R32/15	R32/15	R32/15	R32/15	
Operation temp range	Cooling	°F	54-120	54-120	54-120	54-120	

			MULTI POSITION AHU						
INDOOR	Indoor Model		CH-UC18AHU	CH-UC24AHU	CH-UC30AHU	CH-UC36AHU	CH-UC48AHU	CH-UC60AHU	
	Cooling Capacity		Btu/h	18000	24000	30000	36000	46000	56000
	Indoor external static pressure		PA	145	145	145	145		
	MCA		A	4	4	5	5	7	7
	MOP		A	6	6	6	6	10	10
	Circuit breaker selection		A	15	15	15	15		
	Indoor fan motor	Type		ECM	ECM	ECM	ECM	ECM	ECM
		Power supply	V/Ph/Hz	AC220-240V/50 60Hz	AC220-240V/50 60Hz	AC220-240V/50 60Hz	AC220-240V/50 60Hz		
		rate current	A	2.6	2.6	3.8	3.8	5.4	5.4
		Output	W	249	249	373	373	560	560
	Indoor coil	Number of row		3(row)×2(piece)	4(row)×2(piece)	4(row)×2(piece)	4(row)×2(piece)		
		Fin spacing	in	0.059	0.059	0.059	0.059		
		Fin material		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
		Tube outside diameter	in	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276		
Tube material			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved	inner grooved	
Indoor air flow		CFM	680	800	990	990	1490	1700	
Indoor noise level		dB(A)	51	51	64	64	59	60	
External Static Pressure			0.5	0.5	0.5	0.5	0.5	0.5	
Throttling type			piston	piston	piston	piston	piston	piston	
Electric heater		kW	5/7.5kW	5/7.5/10kW	5/7.5/10kW	5/7.5/10kW			
Indoor dimension	Unit (WxHxD)	in	19.6×45.75×22	19.6×45.75×22	19.6×45.75×22	19.6×45.75×22	22×53.3×24.5	22×53.3×24.5	
	Packing (WxHxD)	in	22.8×47.6×25.6	22.8×47.6×25.6	22.8×47.6×25.6	22.8×47.6×25.6	28×54.7×25.2	28×54.7×25.2	
	Net / Gross weight	lbs	119/133	128/140	129/141	129/141	159/172	170/183	

OUTDOOR	Outdoor Model			CH-UC18-230VO	CH-UC24-230VO	CH-UC30-230VO	CH-UC36-230VO	CH-UC48-230VO	CH-UC60-230VO
	Power supply		V/Ph/Hz	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
	Electrical Data	Min./Max.Voltage	V	187/253	187/253	187/253	187/253	187/253	187/253
		MCA	A	16	20	26	32	35	45
		MOP	A	20	25	35	40	45	55
	Cooling	Capacity	Btu/h	17600	22700	29000	33000	46000	56000
		EER2		11.7	11.7	11.7	11.7	11.2	11.2
		SEER2		14.3	14.3	14.3	14.3	13.8	13.8
	Compressor	Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll
		Locked rotor Amp	(LRA)(A)	47	59	71	75	95	148
Outdoor fan motor	Type		psc	psc	psc	psc	psc	psc	
	Output	W	70	115	205	205	230	230	
	Output	HP	1/10	1/7	1/6	1/6	1/5	1/5	
	Full Load Amps	(FLA)(A)	0.7	0.9	1.4	1.4	1.8	1.8	
Outdoor Unit	Unit (WxHxD)	inch	21.8×25×21.8	21.8×25×21.8	29.14×25×29.14	29.14×25×29.14	29.14×32.9×29.14	29.14×32.9×29.14	
	Packing (WxHxD)	inch	22.6×25.9×22.6	22.6×25.9×22.6	30.5×26.75×x30.5	29.9×25.9×x29.9	29.9×34.4×29.9	29.9×34.4×29.9	
	Net / Gross weight	lbs	126/132	127/132	158/168	160/170	196/207	207/216	
Refrigerant system	Liquid side	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	
	Gas side	inch	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ7/8	Φ7/8	
	Max. refrigerant pipe length	ft	130	130	130	130	147	147	
	Max. difference in level	ft	65	65	65	65	65	65	
	Refrigerant Type /Charging	ft	R32/15	R32/15	R32/15	R32/15	R32/15	R32/15	
	Operation temp range	Cooling	°F	54-120	54-120	54-120	54-120	54-120	54-120

MULTI-POSITION AIR HANDLER UNIT



Horizontal Installation



The multi-position air handler units have a rating of up to 17.6 SEER2.

With Inverter Technology used by our outdoor condenser units, the energy efficiency provided by C&H's Air Handlers are a great benefit to homeowners.



Vertical Installation



Thermostats Available for Separate Purchase



CH-WTH24V



120N

24V AIR HANDLER AND COIL UNITS

SINGLE SPLIT AIR CONDITIONING SYSTEM

Your actual Inverter Heat Pump system and related devices may differ from images shown in this specification sheet. Test conditions are based on AHRI 210/240. Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or change specifications or designs at any time without incurring obligations.

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