



Top-Discharge Unitary System

18K, 24K, 30K, 36K, 48K & 60K BTU

UP TO 14.3 SEER2

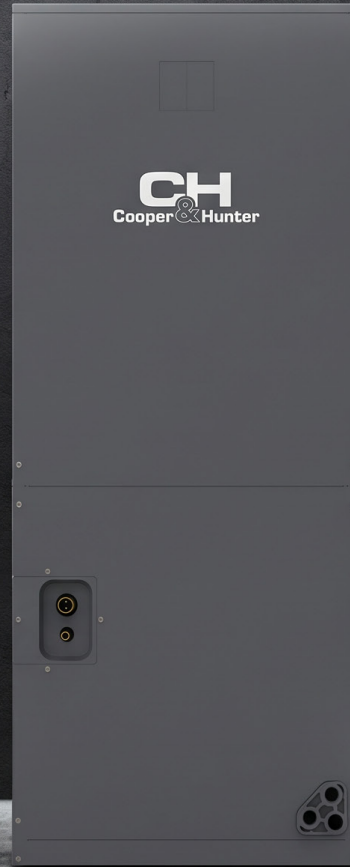
Available only through official
Cooper&Hunter Distributors.

Cooling Only



24V
COMMUNICATION

Compatible with
All 3RD Party 24V
Wall Thermostats



The New **Cooper&Hunter top-discharge, cooling-only Split System** delivers a modern, streamlined solution for upgrading pre-existing systems with ease.

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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.

R32

AHRI

CERTIFIED

ETL

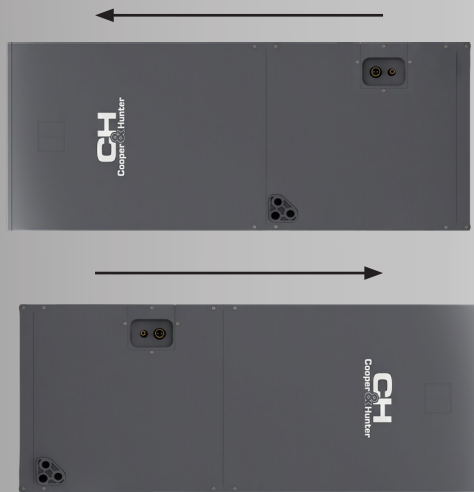
Intertek

GoldFin

			STUD MOUNTED AHU			
INDOOR			CH-UC18AHUWM	CH-UC24AHUWM	CH-UC30AHUWM	CH-UC36AHUWM
Indoor Model						
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		Hydrophillic	Hydrophillic	Hydrophillic	Hydrophillic
	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
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

			MULTI-POSITION AHU					
INDOOR			CH-UC18AHU	CH-UC24AHU	CH-UC30AHU	CH-UC36AHU	CH-UC48AHU	CH-UC60AHU
Indoor Model								
Cooling Capacity		Btu/h	18000	24000	30000	36000	46000	56000
Indoor external static pressure		PA	145	145	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	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	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)	4(row)×2(piece)	5(row)×2(piece)
	Fin spacing	in	0.059	0.059	0.059	0.059	0.059	0.059
	Fin material		Hydrophillic	Hydrophillic	Hydrophillic	Hydrophillic	Hydrophillic	Hydrophillic
	Tube outside diameter	in	Φ 0.276	Φ 0.276	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
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	5/7.5/10/15/20kW	5/7.5/10/15/20kW
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

			MULTI-POSITION AHU					
OUTDOOR			CH-UC18-230VO	CH-UC24-230VO	CH-UC30-230VO	CH-UC36-230VO	CH-UC48-230VO	CH-UC60-230VO
Outdoor Model								
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	11.7	11.7
	SEER2		14.3	14.3	14.3	14.3	14.3	14.3
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		°F	54-120	54-120	54-120	54-120	54-120	54-120



Horizontal Installation

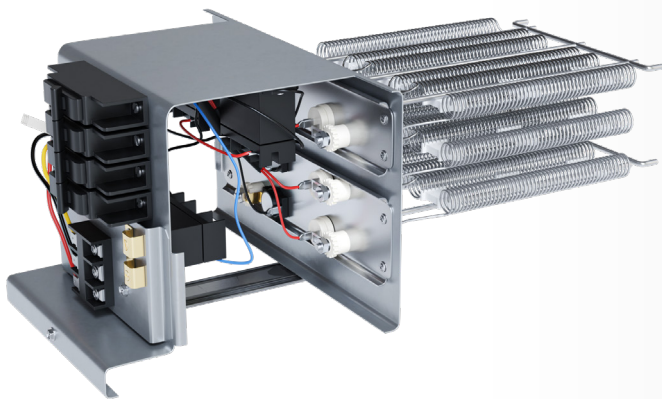


Vertical Installation

*The multi-position air handler units have a rating of up to 14.3 SEER2.
The energy efficiency provided by C&H's Air Handlers are a great benefit to homeowners.*

OPTIONAL AUXILIARY HEATER

The Auxiliary Heater is an optional feature that can be purchased separately as a back-up heating option for indoor unit in case of an emergency or when the primary heating system is not working.



GROUPED HEATER CONTROL

For more precise temperature

Cooper&Hunter Split System Unitary AHU	
WFM0302BF	3KW
WFM0502BF	4.8KW
WFM0802BF	7.5KW
WFM1002BF	9.6KW
WFM1502BF	14.4KW
WFM2002BF	19.2KW

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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