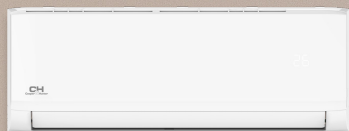


OLIVIA



CH-30ELVWM-230V1
CH-36ELVWM-230V1

CH-30ELSPHWM-230V1
CH-36ELSPHWM-230V1

*Different indoor panel options for 30K-36K units

ALL OUTDOOR UNITS INCLUDE:

HIGH-FREQUENCY RACER TECHNOLOGY:

Enables the compressor to reach maximum speed within 6 seconds on start up

HIGH-EFFICIENCY PIPES:

54 teeth to increase heat exchange

INTELLIGENT DUSTING SWITCH:

Reverses the fan to clean dust, sand, and other debris from the coil



6K-36K Btu/h

- Auto-Swing for horizontal louvers
- Genius Core ultra-low compressor speed of 12Hz
- New User-Friendly Remote Controller design
- 46° Freeze Protection
- WiFi Ready
- Turbo Mode
- Self-Clean Function (single zone only)
- Eco Mode (single zone only)
- Follow Me Mode
- Timer On/Off
- Sleep Mode



CONTROL OPTIONS

- WiFi Ready
- Downloadable C&H app
- Remote control included



OLIVIA

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

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SCAN HERE FOR OLIVIA MODELS



CH
Cooper & Hunter
ADDICTED TO COMFORT

cooperandhunter.us | 786-953-6706

TECHNICAL SUPPORT

CH
Cooper & Hunter
ADDICTED TO COMFORT

LIMITED
7 YEARS
COMPRESSOR
5 YEARS
PARTS

UP TO 25.5 SEER



ALL MODELS
CAN BE CONTROLLED
WITH INCLUDED REMOTE
OR WITH C&H REMOTE APP

OLIVIA

SINGLE AND MULTI ZONE WALL MOUNTS



cooperandhunter.us | 786-953-6706

TECHNICAL SUPPORT





Indoor model			CH-09MOLVLM-230VI	CH-09MOLVLM-230VI	CH-12MOLVLM-230VI	CH-18MOLVLM-230VI	CH-24MOLVLM-230VI	CH-09OLVLM-115VI	CH-12OLVLM-115VI	CH-09MOLVLM-230VI	CH-12MOLVLM-230VI	CH-18MOLVLM-230VI	CH-24MOLVLM-230VI	CH-30ELVLM-230VI	CH-30ELVLM-230VI	CH-30ELSPHWM-230VI	CH-30ELSPHWM-230VI	
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	115, 1, 60	115, 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	
	Rated Capacity	Btu/h	6,000	9,000	12,000	18,000	24,000	12,000	18,000	24,000	30,000	36,000	48,000	60,000	72,000	90,000	108,000	
Minimum Circuit Ampacity (MCA)			A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Max. Fuse			A	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Indoor air flow (Hi/Mi/Lo)			CFM	247.06/176.47/141.18	291.18/194.12/152.94	291.18/194.12/152.94	530.59/458.82/382.35	601.18/458.82/382.35	300/241.18/176.47	300/241.18/176.47	291.18/194.12/152.94	291.18/194.12/152.94	530.59/458.82/382.35	601.18/458.82/382.35	701.76/535.88/380.00	652.94/447.06/329.41	794.12/617.65/470.59	732.35/517.65/400
Indoor noise level (Hi/Mi/Lo)			dB(A)	38.5/33/20.5	40/35/23.5	41.5/36/24	46/40/25	46.5/44/35	41.5/36/24	41.5/36/24	40/34/23.5	42/36/25	45.5/41/24.5	48/40/28	49.5/43.5/39.5	54/45/40	51.5/47.5/44	56.5/54.5/40
Indoor	Dimension (W"D"H)	inch	28.70x7.87x11.50	31.57x7.87x11.61	31.57x7.87x11.61	42.64x9.21x13.23	42.64x9.21x13.27	31.57x7.87x11.61	31.57x7.87x11.61	42.64x9.21x13.23	42.64x9.21x13.27	48.67x11.14x14.25	49.57x11.14x14.25	49.57x11.14x14.25	49.57x11.14x14.25	49.57x11.14x14.25	49.57x11.14x14.25	49.57x11.14x14.25
	Packing (W"D"H)	inch	31.10x10.63x14.76	34.45x11.22x14.96	34.45x11.22x14.96	45.47x16.34x12.40	45.47x16.34x12.40	34.45x11.22x14.96	34.45x11.22x14.96	34.45x11.22x14.96	45.47x16.34x12.40	45.47x16.34x12.40	52.76x17.72x15.16	52.76x17.72x15.16	52.76x17.72x15.16	52.76x17.72x15.16	52.76x17.72x15.16	52.76x17.72x15.16
	Net/Gross weight	lbs.	17.64/22.49	18.96/24.25	18.74/24.25	29.54/37.48	29.98/38.14	18.96/24.47	18.96/24.47	18.96/24.47	18.74/24.25	29.54/37.48	29.98/38.14	42.99/55.56	42.77/55.56	37.48/50.49	40.34/52.69	
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	60 – 90	63 – 90	63 – 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	32 – 86	32 – 86	32 – 86	
Liquid side/Gas side			inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"

OUTDOOR

			HYPER					REGULAR					ENTRY LEVEL																							
Series			HPR Series		HPR Series		HPR Series		HPR Series		ES Series		ES Series		ES Series		ES Series		ES-Series		EL Series		EL Series		EL Series		EL Series									
Outdoor model			CH-HPR06F9-230V0		CH-HPR09-230V0		CH-HPR12-230V0		CH-HPR18-230V0		CH-HPR24-230V0		CH-ES09-115V0		CH-ES12-115V0		CH-ES09-230V0		CH-ES12-230V0		CH-ES18-230V0		CH-ES24-230V0		CH-EL30-230V0		CH-EL36-230V0		CH-EL30-230V0		CH-EL36-230V0					
Power Supply			Rated Capacity (range)		Btu/h		6,000 (2,500-11,800)		9,000 (3,700-13,300)		12,000 (3,700-13,300)		18,000 (8,400-20,200)		23,000 (4,650-26,600)		9,000 (3,930-13,200)		12,000 (3,930-13,200)		9,000 (2,500-11,900)		12,000 (3,600-13,300)		18,000 (9,200-19,500)		24,000 (9,200-25,000)		30,000 (7,200-31,600)		36,000 (8,300-37,500)		30,000 (7,200-31,600)		36,000 (8,900-36,300)	
			Rated current		A		3.55		2.5		2.5		8.9		8.25		8.3		8.3		2.66		4.05		5.94		8.02		12.4		16.8		12.4		16.4	
Cooling			EER		Btu/w		15		15.8		13		13		12.5		13.8		12.5		14.7		13		13.5		13		12.2		9.5		10.5		8.5	
			SEER		Btu/w		23.5		25.5		22		21.5		21.5		23		22		24		22.2		24		21		20		18		18.6		17.5	
Heating at 47°F			Rated Capacity (range)		Btu/h		7,000 (3,400-11,230)		12,000 (5,100-14,300)		12,000 (5,100-14,300)		18,000 (12,000-23,000)		26,000 (9,550-27,000)		9,200 (5,100-12,600)		12,000 (5,000-12,600)		10,000 (3,400-13,000)		12,000 (4,500-13,500)		18000(9620-21200)		26,000 (10,350-26,410)		30,000 (11,700-32,000)		36,000 (10,900-37,360)		30,000 (10,900-32,500)		36,000 (11,400-37,800)	
			Rated current		A		3.76		4		4.25		9.2		11.38		8.7		8.7		3.48		4.5		6.31		10.35		12.46		16.8		14.2		18.9	
			COP		W/W		3.76		3.9		3.6		3.35		3		3.52		3.52		3.66		3.4		3.74		3.15		3.2		2.78		2.71		2.47	
			HSPF4				11		12.5		12.7		11		11.5		11		11.5		12.7		10.8		11.6		10		10		12		9.5		12	
			HSPF5				8		10.5		10.8		9.2		9.7		9.8		9.8		10		9.1		9.4		8.5		7.7		9		7.7		8.0	
Heating at 17°F (AHRI)			Rated capacity		Btu/h		9,200		12,000		12,000		19,000		23,000		8,200		8,200		9,500		12,000		18,000		19,900		17,100		25,000		18,400		17,500	
Heating at 5°F (AHRI)			Rated capacity		Btu/h		8,100		10,000		10,000		18,000		23,000		6,858		6,858		8,300		9,500		11,300		17,600		15,800		20,000		16,600		19,500	
			COP		W/W		2.1		1.8		1.8		1.78		1.75		2		2		1.85		1.8		2.23		2.04		1.68		1.76		1.7		1.83	
Minimum circuit ampacity (Outdoor unit)			A		13		15		15		16		25		20		19		13		13		17		22		23		28		23		28			
Max.fuse (Outdoor unit)			A		15		15		15		25		35		30		25		15		15		25		30		30		35		30		35			
Outdoor air flow (Max.)			CFM		1,294		1,324		1,324		1,765		2,235		1,294.12		794		1,294		1,294		1,765		2,235		2,235		2,235		2,235		2,235			
Outdoor noise level (Sound pressure)			dB(A)		53		54.5		56		59		62		55		54		53		53.5		58		60		61.5		61.5		61.5		61.5			
Dimension (WxDxH)			inch		30.12x11.93x21.85		31.89x12.99x21.81		31.89x12.99x21.81		35.04x13.46x26.50		37.24x16.14x31.89		30.12x11.93x21.85		30.12x11.93x21.85		30.12x11.93x21.85		30.12x11.93x21.85		35.04x13.46x26.50		37.24x16.14x31.89		37.24x16.14x31.89		37.24x16.14x31.89		37.24x16.14x31.89		37.24x16.14x31.89			
Packing (WxDxH)			inch		34.92x13.27x24.02		36.02x14.57x24.21		36.02x14.57x24.21		39.17x15.67x29.13		42.91x19.69x34.84		34.92x13.27x24.02		34.92x13.27x24.02		34.92x13.27x24.02		34.92x13.27x24.02		39.17x15.67x29.13		42.91x19.69x34.84		42.91x19.69x34.84		42.91x19.69x34.84		42.91x19.69x34.84		42.91x19.69x34.84			
Net/Gross weight			lbs		63.71/69		74.07/80.25		73.63/79.37		100.97/108.03		134.48/144.40		66.80/72.31		63.71/69.00		63.71/69.00		95.02/101.85		124.78/134.92		141.76/151.90		150.13/158.95		141.76/151.90		150.13/158.95		150.13/158.95			
Refrigerant Type/Charged			oz		R410A/38.1		R410A/41.62		R410A/41.62		R410A/65.2		R410A/91.7		R410A/25.4		R410A/39.5		R410A/38.1		R410A/38.1		R410A/56.44		R410A/82.89		R410A/97		R410A/119.9		R410A/97		R410A/119.9			
Refrigerant precharge			ft		25		25		25		25		25		25		25		25		25		25		25		25		25		25		25			
Additional charge for each ft			oz/ft		0.16		0.16		0.16		0.16		0.32		0.16		0.16		0.16		0.16		0.16		0.32		0.32		0.32		0.32		0.32			
Design pressure			PSIG		550/340		550/340		550/340		550/340		550/340		550/340		550/340		550/340		550/340		550/340		550/340		550/340		550/340		550/340		550/340			
Refrigerant piping Liquid side/Gas side			inch		1/4" / 3/8"		1/4" / 3/8"		1/4" / 1/2"		1/4" / 1/2"		3/8" / 5/8"		1/4" / 1/2"		1/4" / 1/2"		1/4" / 1/2"		1/4" / 3/8"		1/4" / 1/2"		1/4" / 1/2"		3/8" / 5/8"		3/8" / 5/8"		3/8" / 5/8"		3/8" / 5/8"			
Max. pipe length			Ft		82		82		82		98		164		82		82		82		82		98		164		213		164		213		213			
Max. difference in level			Ft		32.8		32.8		32.8		66		82		32.8		32.8		32.8		32.8		66		82		98		82		98		98			
Ambient temperature			Cooling		F		-22--122		-22--122		-22--122		-22--122		-13--122		-13--122		-13--122		-13--122		-13--122		-13--122		5--122		5--122		5--122		5--122			
			Heating		F		-22--75		-22--86		-22--86		-22--86		-22--86		-13--75		-13--75		-13--75		-13--75		-13--75		-13--75		-13--75		-13--75		-13--75			