

# ComfortStar®

Air Conditioning & Heating Products

## CIP-EL Series INVERTER

UP TO  
**20 SEER2**



### HIGH EFFICIENCY - COOLING DUCTLESS MINI-SPLIT SYSTEMS

## Orbitseries™

#### FEATURES:

- Rapid cooling & Heating
- Smart Air Flow
- Filter Cleaning Reminder
- Noise Reduction
- Fireproof Electric Control Box



Sleep  
Mode



High  
Quality



Auto  
Restart



Noise  
Reduction

**GOLD**fin



**AHRI** CERTIFIED™  
www.ahrirectory.org



**Comfort... it's in our name**

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# CIP-EL Series **INVERTER** Orbitseries™

UP TO  
**20 SEER2**



Model			CIP12CA-EL	CIP12CD-EL	CIP18CD-EL	CIP24CD-EL
Type			Cooling only	Cooling only	Cooling only	Cooling only
Control type			Remote	Remote	Remote	Remote
Rated cooling capacity	Btu/h		12000	12000	18000	24000
	W		3517(600-3700)	3517(600-3700)	5275(1500-5450)	7030(1800-7300)
EER2 (95F/35C) for cooling	Btu/W.h ; W/W		11.45 ; 3.35	11.80 ; 3.45	10.00 ; 2.93	10.25 ; 3.00
SEER2 for cooling	Btu/W.h		20.00	20.00	20.00	20.00
Moisture removal	Liters/h		1.3	1.3	1.8	2.2
Indoor noise level at cooling	High	dB(A)	38	39	48	49
	Med.	dB(A)	33	35	43	44
	Low	dB(A)	29	30	39	39
Outdoor noise level	dB(A)		52	52	56	59
Power supply			115V~/60Hz/1P	208-230V~/60Hz	208-230V~/60Hz	208-230V/60Hz/1P
Voltage Range	V		97-138	165-265	165-265	165-265
Compressor	Type		Rotary	Rotary	Rotary	Rotary
Connecting Pipe	Gas	Inches	Φ9.52(3/8")	Φ9.52(3/8")	Φ9.52(3/8")	Φ12(1/2")
	Liquid	Inches	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")
Connecting Wiring	Size x Core number		4×16AWG	4×16AWG	4×16AWG	4×16AWG
		mm <sup>2</sup>	4*0.75	4*0.75	4*0.75	4*0.75
Drainage Pipe	inch		O.D 16mm	O.D 16mm	O.D 16mm	O.D 16mm
			0.63	0.63	0.63	0.63
Suitable area	m <sup>2</sup>		15-23	15-23	20-35	30-50
Net dimensions (W x D x H)	Indoor	mm	811×292×203	811×292×203	1010×315×220	1010×315×220
		inch	31.93×11.5×7.99	31.93×11.5×7.99	39.76×12.4×8.66	39.76×12.4×8.66
	Outdoor	mm	795×305×549	777×290×498	853×349×602	920×380×699
		inch	31.3×12.01×21.61	30.59×11.42×19.61	33.58×13.74×23.7	36.22×14.96×27.52
Netweight	Indoor	kg	8.5	8.5	13	13
		lbs	18.7	18.7	28.6	28.6
	Outdoor	kg	28	24	29	37
		lbs	61.6	52.8	63.8	81.4
Packing dimensions (W x D x H)	Indoor	mm	885×366×275	885×366×275	1096×390×297	1096×390×297
		inch	34.84×14.41×10.83	34.84×14.41×10.83	43.15×15.35×11.69	43.15×15.35×11.69
	Outdoor	mm	835×340×585	818×325×520	890×385×628	950×420×732
		inch	32.87×13.39×23.03	32.2×12.8×20.47	35.04×15.14×24.72	37.4×16.54×28.82
Gross weight	Indoor	kg	11	11	16	16
		lbs	24.2	24.2	35.2	35.2
	Outdoor	kg	32	28	33	42
		lbs	70.4	61.6	72.6	92.4
Operation temperature		°C	16-31	16-31	16-31	16-31
		°F	61-88	61-88	61-88	61-88
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30
Ambinet temperature	Indoor(cooling/ heating)	°F	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86
	Outdoor(cooling/heating)	°F	5~122/-4~86	5~122/-4~86	5~122/-4~86	5~122/-4~86
Loading Capacity (IN+OUT)	40'HC (without pipe)			295	196	
Loading Capacity (IN+OUT)	40'HC (with pipe)			270	180	
Loading Capacity (INDOOR)	40'HC/ 40' GP/ 20' GP			718/638/302	476/417/198	
Loading Capacity (OUT)	40'HC/ 40' GP/ 20' GP(without pipe)			490/400/196	290/213/102	
Loading Capacity (OUT)	40'HC/ 40' GP/ 20' GP(with pipe)			360/358/167	274/207/100	

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