



Elite Series **INVERTER** HEAT PUMP SPLITS SYSTEM SPECS

		CONDENSING UNITS				
Model		CP20S24HPCO	CP18S36HPCO	CP18S48HPCO	CP17S60HPCO	
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V-1Ph-60Hz			
	Minimum Circuit Ampacity	A	15	20	25	30
	Max. Overcurrent Protection	A	20	25	35	40
	Min / Max Volts	V	187 / 253	187 / 253	187 / 253	187 / 253
Refer to Room Area	square feet	365-660	536-990	709-1320	835-1650	
Compressor	Brand		GMCC	GMCC	GMCC	GMCC
	Type		Rotary	Rotary	Rotary	Rotary
	Hz		18-100	18-100	18-100	18-100
	Capacity	W/h	6700	6700	13000	13000
	Input	W	1805	1805	3650	3650
	Rated current(RLA)	A	10	12.8	15.8	20
Outdoor motor	Brand		board-ocean	board-ocean	board-ocean	board-ocean
	Type		DC	DC	DC	DC
	Power	W	200	200	200	200
	Rated HP	HP	1/4	1/4	1/4	1/4
	Speed	rpm	1100	1100	1100	1100
	FLA (RLA)	A	1.8	1.8	1.8	1.8
Outdoor Fan	material		Metal			
	Type		Axial flow			
	Diameter	mm	φ595×115×φ12.7	φ595×115×φ12.7	φ595×115×φ12.7	φ595×115×φ12.7
Outdoor coil	Number of row		2	2	2	2
	Number of U-tubes		28		38	
	Tube outside dia	mm (in.)	7 (9/32)	7 (9/32)	7 (9/32)	7 (9/32)
	Fin spacing / Thickness / Type	mm / mm	1.4 / 0.095 / Hydrophilic aluminium			
Outdoor Sound power	dB(A)	76	79	76	79	
Outdoor CFM	CFM	3900	3900	4440	4440	
Outdoor unit	Dimension (W×H×D)	inch	29-1/8×25×29-1/8		29-1/8×32-7/8×29-1/8	
	Packing (W×H×D)	in.	30×26×30		30/16×34-4/9×3	
	Net / Gross weight	lbs	137/146	137/146	187 / 196	187 / 196
Refrigerant system	Liquid side / Gas side	in.	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
	Factory charge	oz	R454B/116.4	R454B/116.4	R454B/155.2	R454B/155.2
	Metering device		EEV	EEV	EEV	EEV
	Maximum Line Length	ft	100	100	100	100
	Maximum Elevation Difference	ft	50	50	50	50
communication wire	AWG	20	20	20	20	
Operating temperatures	Cooling	°F	5-125	5-125	5-125	5-125
	Heating	°F	-4-86	-4-86	-4-86	-4-86
		AIR HANDLERS				
Model		CP20S24HPAH	CP18S36HPAH	CP18S48HHPAH	CP17S60HPAH	
Cooling	Power supply	V/Ph/Hz	208/230V-1Ph-60Hz			
	Capacity	Btu/h	24000	34000	47500	55000
	Power input (A2)	w	1819	2864	4145	5549
	EER2	Btu/h.W	13.3	11.7	11.3	10
Heating	Capacity	Btu/h	24000	34200	48000	57000
		Btu/h(17°F)	19200	24000	40000	42000
		Btu/h(5°F)	20000	24000	34200	42500
	Power input (H1)	w	1957	2997	3580	4900
	5°F COP	W/W	2.1	2.1	2.1	2
	HSPF2	Btu/h.W	9.4	9.0	9.0	8.6
Minimum Circuit Ampacity	A	4	4	5	5	
Max. Overcurrent Protection	A	6	6	10	10	
Indoor coil	Number of rows*coil quantity		4*2	4*2	2*4	2*4
	Tube outside dia. / Type		7mm / Rifled tube			
	Fin spacing / Thickness / Type	mm / mm	1.6 / 0.095 / Hydrophilic aluminium			
Indoor motor	type		ECM			
	Rate power	W	249	373	560	560
	Rated HP	HP	1/3	1/2	3/4	3/4
	Rated RPM	r/min	1050	1050	1050	1050
	FLA (RLA)	A	2.6	3.8	5.4	5.4
Indoor fan	material		Galvanized plate			
	Type		Centrifugal			
Indoor air flow (HI/LOW)	CFM		φ273×272×φ12.7-195 700/690	φ273×272×φ12.7-195 1050/750	φ273×272×φ12.7-195 1550/1180	φ273×272×φ12.7-195 1550/1180
	ESP	Pa	125	125	125	125
Indoor noise level (HI/LOW)	dB(A)		51/48	52/49	59/55	59/55
Metering device	Throttle type		TXV			
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V 1Ph 60Hz			
	Minimum Circuit Ampacity		4	4	5	5
	Max. Overcurrent Protection		6	6	10	10
	Min / Max Volts	V	187 / 253	187 / 253	187 / 253	187 / 253
Indoor unit	communication wire	AWG	20	20	20	20
	Dimension (W×H×D)	in.	19-5/8×45-3/4×22		22×53-1/8×24-1/2	
	Packing (W×H×D)	in.	22-5/8×47-5/8×25-3/5		25-1/5×54-3/4×28	
	Net / Gross weight	lbs	130/ 143	130/ 143	169/182	169/182
Moisture Removal	kg/h	2.79	4.2	5.12	7.07	
Refrigerant piping Liquid side / Gas side	in.	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8	