



Prime Series REGULAR HEAT PUMP SPLITS SYSTEM SPECS

Model		CP143S18HPCO	CP143S24HPCO	CP143S30HPCO	CP143S36HPCO	CP143S42HPCO	CP143S48HPCO	CP143S60HPCO	
Outdoor power supply		V/PHz	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	
Cooling	Capacity	Btu/h	17600	22800	28000	33000	41000	46000	
	EER2	Btu/h.W	11.7	11.7	11.7	11.7	11.7	11.2	
	SEER2	Btu/h.W	14.3	14.3	14.3	14.3	14.3	14.3	
Heating	Capacity	Btu/h	17200	21800	27800	33000	40600	45600	
	HSPF2	Btu/h.W	7.5	7.5	7.5	7.5	7.5	7.5	
Refer to Room Area	square feet		277.00	362.00	441.00	516.00	630.00	748.00	
MCA	A		14	18	25	30	30	40	
MOP	A		15	25	35	40	40	50	
Compressor	Brand		LG	LG	LG	LG	LG	LG	
	Type		scroll	scroll	scroll	scroll	scroll	scroll	
	Capacity	Btu/h	19500.00	24800.00	29700.00	36000.00	44700	52200	
	Input	W	1192.00	1498.00	1772.00	2134.00	2684	3115	
	Rated current(RLA)	A	6.80	8.70	10.10	14.00	12.6	14.5	
	Locked rotor Amp(LRA)	A	47.00	59.00	71.00	75.00	96	102	
Outdoor fan motor	Brand		Broad-Ocean DC motor						
	Rate current	A	1.80	1.80	1.80	1.80	1.80	1.80	
	Input	W	220.00	226.00	226.00	226.00	256.00	256.00	
	Output	W	200.00	200.00	200.00	200.00	200.00	200.00	
	Capacitor	µF	/	/	/	/	/	/	
	Speed	rpm	850.00	850.00	950.00	950.00	1050.00	1100.00	
Outdoor coil	Number of row		2.00	2.00	2.00	2.00	2.70	2.70	
	Fin spacing	in	0.06	0.06	0.06	0.06	0.06	0.06	
	Fin material		Hydrophilic Aluminium Fin						
	Tube outside diameter	in	Φ 0.276						
Outdoor air flow	CFM	1780.00	3060.00	3350.00	3350.00	3540.00	3910.00	4100.00	
Outdoor noise level	dB(A)	57.00	60.00	60.00	60.00	60.00	63.00	63.00	
Throttling type		Piston	Piston	Piston	Piston	Piston	Piston	Piston	
Outdoor dimension	Unit (WxHxD)	in	21-4/5×25×21-4/5	21-4/5×25×21-4/5	29-1/7×25×29-1/7	29-1/7×25×29-1/7	29-1/7×32-7/8×29-1/7	29-1/7×32-7/8×29-1/7	29-1/7×32-7/8×29-1/7
	Packing (WxHxD)	in	22-3/5×25-9/10×22-3/5	22-3/5×25-9/10×22-3/5	29-9/10×25-9/10×29-9/10	29-9/10×25-9/10×29-9/10	29-9/10×34-2/5×29-9/10	29-9/10×34-2/5×29-9/10	29-9/10×34-2/5×29-9/10
	Net / Gross weight	kg lbs	59/61 130/134	72/76 159/168	72/76 159/168	74/77 163/170	97/101 214/223	97/102 214/225	97/102 214/225
Refrigerant	Type		R454b	R454b	R454b	R454b	R454b	R454b	
	Liquid side	in	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	
Refrigerant pipe	Gas side	in	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ7/8	
	Max. refrigerant pipe length	ft	130.00	130.00	130.00	130.00	130.00	130.00	
	Max. difference in level	ft	60.00	60.00	60.00	60.00	60.00	60.00	
Design pressure	MPa	3.79/1.72	3.79/1.72	3.79/1.72	3.79/1.72	3.79/1.72	3.79/1.72	3.79/1.72	
Max pressure	MPa	4.15	4.15	4.15	4.15	4.15	4.15	4.15	
Operation temp range	Cooling	°F	53-120	53-120	53-120	53-120	53-120	53-120	
	Heating	°F	5-80	5-80	5-80	5-80	5-80	5-80	
AIR HANDLERS									
Market Model		CP143S18HPAH	CP143S24HPAH	CP143S30HPAH	CP143S36HPAH	CP143S42HPAH	CP143S48HPAH	CP143S60HPAH	
Power supply		V/PHz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	
Indoor external static pressure		Pa	145	145	145	145	145	145	
Throttle type			piston	piston	piston	piston	piston	piston	
MCA	A		1.5	1.5	2	2	2.5	3	
MOP	A		3	3	3	3	5	5	
Indoor coil	Number of row		3(row)×2(piece)	3(row)×2(piece)	4(row)×2(piece)	4(row)×2(piece)	5(row)×2(piece)	5(row)×2(piece)	
	Tube pitch(a)×row pitch(b)	in	0.83×0.53	0.83×0.53	0.83×0.53	0.83×0.53	0.83×0.53	0.83×0.53	
	Fin spacing	in	1/16	1/16	1/16	1/16	1/16	1/16	
	Fin material		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	
	Tube outside diameter	in	Φ 0.276						
	Tube material		inner grooved						
Indoor fan motor	Brand		Broad-Ocean	Broad-Ocean	Broad-Ocean	Broad-Ocean	Broad-Ocean	Broad-Ocean	
	Type		ECM	ECM	ECM	ECM	ECM	ECM	
	Rate current	A	2.6	2.6	3.8	3.8	5.4	5.4	
	Input	W	142.4	142.4	245.9	245.9	249.3	249.3	
	Output	W	249	249	373	373	560	560	
	Capacitor	µF	/	/	/	/	/	/	
Speed (Hi/Me Hi/Me Lo/Lo)	RPM	643/593/556/476/412	643/593/556/476/412	760/718/662/610/548	760/718/662/610/548	977/833/760/683/610	977/833/760/683/610	977/833/760/683/610	
Indoor air flow	CFM	678	742	1042	1042	1230	1363	1580	
Indoor noise level	dB(A)	50	54	56	56	59	57	60	
Indoor dimension	Unit (WxHxD)	in	19-5/8×3×45-3/4×22	19-5/8×3×45-3/4×22	19-5/8×3×45-3/4×22	19-5/8×3×45-3/4×22	19-5/8×3×45-3/4×22	22×53-1/8×24-1/2	
	Packing (WxHxD)	in	22-5/8×47-5/8×25-3/5	22-5/8×47-5/8×25-3/5	22-5/8×47-5/8×25-3/5	22-5/8×47-5/8×25-3/5	22-5/8×47-5/8×25-3/5	28×54-3/4×25-1/5	
	Net / Gross weight	lbs	123/134	130/141	131/140	131/140	162/175	162/175	
Shipping per STD 40HQ			120	120	120	120	54	54	