



### 14.3SEER2 HEAT PUMP FRONT RETURN SPLITS SYSTEMS

Condenser			CP143S18HPCO	CP143S24HPCO	CP143S30HPCO	CP143S36HPCO
Outdoor power supply		V/Ph/Hz	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
Cooling	Capacity	Btu/h	18000	23000	27600	33400
	EER2	Btu/h.W	11.7	11.7	12	11.7
	SEER2	Btu/h.W	14.3	14.3	15.2	14.3
Heating	Capacity	Btu/h	17600	22400	27800	33000
	HSPF2	Btu/h.W	7.5	7.5	7.5	7.5
Refer to Room Area		square feet	277	362	441	516
MCA	A		16	20	23	30
MOP	A		25	30	35	45
Compressor	Brand		LG	LG	LG	LG
	Model		YPH016KAA	YPH020KAA	YPH024KAA	YPH029KAA
	Type		scroll	scroll	scroll	scroll
	Capacity	Btu/h	19500.00	24800.00	29700.00	36000.00
	Input	W	1192.00	1498.00	1772.00	2134.00
	Rated current(RLA)	A	11.20	14.30	16.30	21.00
	Locked rotor Amp(LRA)	A	47.00	59.00	71.00	75.00
Outdoor fan motor	Brand		Broad-Ocean	Broad-Ocean	Broad-Ocean	Broad-Ocean/Panasonic
	Model		DRN-310-200-10	DRN-310-200-10	DRN-310-200-10	DRN-310-200-10
	Rate current	A	1.80	1.80	1.80	1.80
	Input	W	220.00	226.00	226.00	226.00
	Output	W	200.00	200.00	200.00	200.00
Speed	rpm	850.00	850.00	950.00	950.00	
Outdoor fan blade	Dimension	mm	Φ450×120×Φ12.7	Φ585×110×Φ12.7	Φ585×110×Φ12.7	Φ585×110×Φ12.7
Outdoor coil	Number of row		2.00	2.00	2.00	2.00
	Fin spacing	in	0.06	0.06	0.06	0.06
	Fin material		Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
	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
	Coil length x height x width	in	54.68×23.14×1.05	54.68×23.14×1.05	84.09×23.15×1.05	84.09×23.15×1.05
Number of circuit		6.00	6.00	6.00	6.00	
Outdoor air flow		CFM	1780.00	3060.00	3350.00	3350.00
Outdoor noise level		dB(A)	59.00	60.00	60.00	60.00
Throttling type			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
		mm	554×633×554	554×633×554	740×633×740	740×633×740
	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
		mm	575×660×575	575×660×575	775×680×775	775×680×775
	Net / Gross weight	kg	60/63	60.5/63	74.5/78.5	76/80.5
		lbs	132/139	133/139	164/173	168/177
Refrigerant	Type		R454b	R454b	R454b	R454b
	Charging	oz	82.89	82.89	116.40	125.22
Refrigerant pipe	Liquid side	in	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas side	in	Φ3/4	Φ3/4	Φ3/4	Φ3/4
	Max. refrigerant pipe length	ft	131	131	131	131
	Max. difference in level	ft	60	60	60	60
Design pressure		MPa	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
Operation temp range	Cooling	°F	53-120	53-120	53-120	53-120
	Heating	°F	5-80	5-80	5-80	5-80
stuffing quantity (without pallet)		CTNS	320	320	180	180
Front Return Air Handler			QC15S18HUP2A4F	QC15S24HUP2A4F	QC15S30HUP2A4F	QC15S36HUP2A4F
Cooling	Capacity	Btu/h	17400	22000	29000	33800
	SEER2	Btu/h.W	14.3	14.3	14.3	14.3
	EER2	Btu/h.W	11.7	11.7	11.7	11.7
Heating	Capacity	Btu/h	17000	22000	27600	33000
	HSPF2	Btu/h.W	7.5	7.5	7.5	7.5
Refer to Room Area		square feet	269	355	441	516
MCA	A		4	4	5	5
MOP	A		6	6	6	6
Indoor fan motor	Type		ECM	ECM	ECM	ECM
	Power supply		220-240V 60Hz	220-240V 60Hz	220-240V 60Hz	220-240V 60Hz
	Model		DZJ-249F-12	DZJ-249F-12	DZJ-373F-12	DZJ-373F-12
	rate current	A	2.6	2.6	3.8	3.8
	Output	W	249	249	373	373
	Speed	rpm	1050	1050	1050	1050
Indoor coil	Fin spacing	in	1/16	1/16	1/16	1/16
	Fin material		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	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
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(WxHxD)	in	20-1/2"×36-1/2"×15"	20-1/2"×36-1/2"×15"	22"×39-1/2"×19"	22"×39-1/2"×19"
	Packing (WxHxD)	in	23-3/7"×39-1/2"×17-1/2"	23-3/7"×39-1/2"×17-1/2"	24-1/2"×42-1/10"×21-4/5"	24-1/2"×42-1/10"×21-4/5"
Shipping per STD 20/40/40HQ (without pallet)			190	190	148	148