



Jebel Heat Pump Monoblock

JBL-HPS-12K-HYB-R290P3



Technical Datasheet			12kW	14kW	16kW
			JBL-HPS-12K-HYB-R290P3	JBL-HPS-14K-HYB-R290P3	JBL-HPS-16K-HYB-R290P3
Power supply AC	Power AC	V/Ph/H	AC 220-240/1/50		
Power supply DC PV String Input Data	Voc		DC 200-410V		
	Max. PV (DC) Input Current (A)		13+(13+13)		
	Max. PV ISC (A)		22+(22+22)		
	No.of MPPT Trackers		2		
	No.of Strings per MPPT Tracker		1+2		
Cooling (A35W18)	Capacity	KW	12	14	16
	Input Power	KW	2.7	3.3	4.1
	EER		4.5	4.2	3.9
Cooling (A35W7)	Capacity	KW	11.5	12.7	14
	Input Power	KW	3.8	4.4	5.1
	EER		3.05	2.9	2.75
Heating (A7W35)	Capacity	KW	12	14	15
	Input Power	KW	2.5	3.1	3.4
	COP		4.8	4.5	4.4
Heating (A7W45)	Capacity	KW	12	14	15
	Input Power	KW	3.2	4	4.5
	COP		3.7	3.5	3.35
Heating (A7W55)	Capacity	KW	12	14	15
	Input Power	KW	3.9	4.7	5.3
	COP		3.1	3	2.85
Seasonal space heating energy efficiency class	LWT at 35°C		A+++	A+++	A+++
	LWT at 55°C		A++	A++	A++
ErP sound power level	Monobloc Unit	dB	57	57	58
Net dimension	W×D×H	mm	1283×455×1036		
Packing dimension	W×D×H	mm	1360×545×1222		
Net weight	Monobloc Unit	kg	167		
Gross weight	Monobloc Unit	kg	191		
Refrigerant	Type/GWP		R290/3		
	Charged Volume	kg	1.43		
Max Power Input		kW	4.8	5.5	5.9
Operating ambient temp. range	Cooling	°C	- 5 ~ 48		
	Heating	°C	-25 ~ 35		
	DHW(tank)	°C	-25 ~ 43		
Setting water temp. range	Cooling	°C	10 ~ 30 (LWT 5 ~ 25)		
	Heating	°C	25 ~ 80		
	DHW(tank)	°C	25 ~ 75		
Water circuit	Piping connections	inch	G1-1/4"		
	Safety valve set pressure	MPa	0.3		
	Flow switch	m³/h	0.6		
	Expansion tank Volume	L	5		
	Capacity of the back-up heater	kW	3		
Stuffing quantity	40H/40/20	Unit	68/33/16		