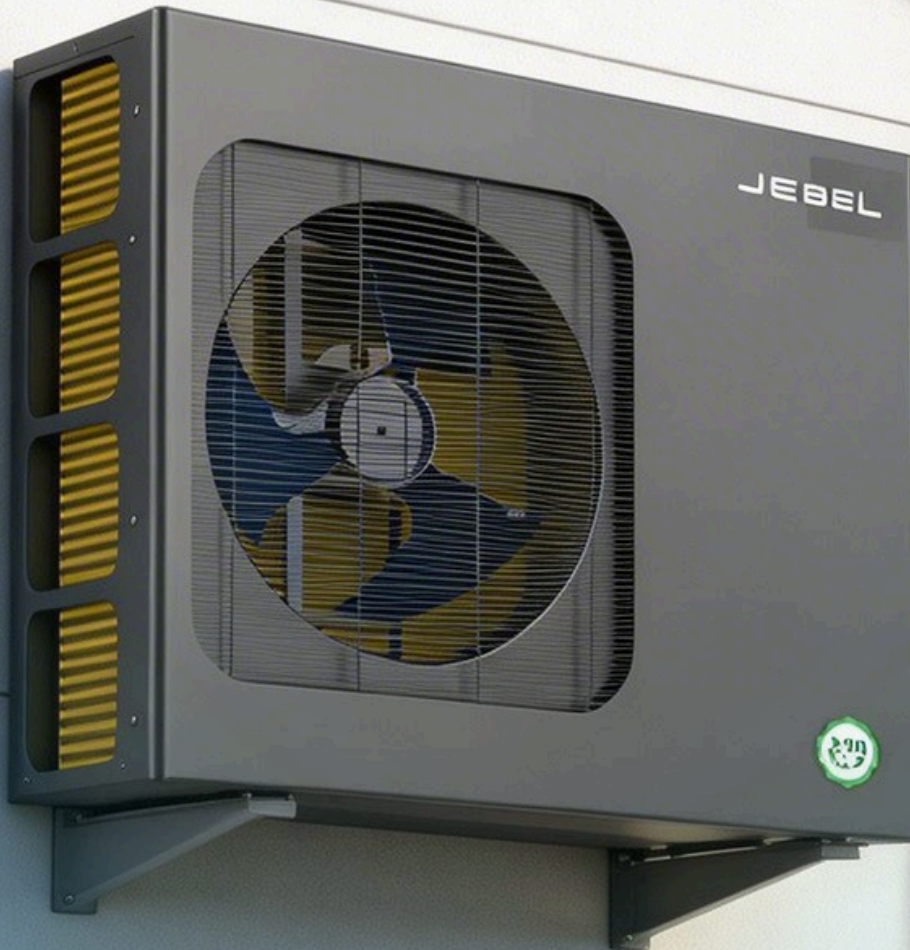




Jebel Heat Pump

JBL-HP-12K-HYB-R290P1



Technical Information

Technical Datasheet			8kW	10kW	12kW	16kW
			JBL-HP-8K-HYB-R290P1	JBL-HP-10K-HYB-R290P1	JBL-HP-12K-HYB-R290P1	JBL-HP-16K-HYB-R290P1
Power Supply AC	Power AC	V/Ph/H	AC220-240V/1Ph/50/60Hz			
Cooling (A35W18)	Capacity	kW	8.3	10.0	12.0	16.0
	Rated Input	kW	1.61	2.11	2.67	4.10
	EER		5.15	4.75	4.5	3.9
Cooling (A35W7)	Capacity	kW	7.5	8.9	11.5	14.0
	Rated Input	kW	2.17	2.74	3.77	5.09
	EER		3.45	3.25	3.05	2.75
Heating (A7W35)	Capacity	kW	8.4	10.0	12.0	15.0
	Rated Input	kW	1.68	2.13	2.50	3.41
	COP		5.0	4.7	4.8	4.4
Heating (A7W45)	Capacity	kW	8.2	10.0	12.0	15.0
	Rated Input	kW	2.13	2.74	3.24	4.48
	COP		3.85	3.65	3.7	3.35
Heating (A7W55)	Capacity	kW	7.8	9.5	12.0	15.0
	Rated Input	kW	2.44	3.11	3.87	5.26
	COP		3.2	3.05	3.1	2.85
Seasonal space heating energy efficiency class1	LWT at 35℃		A+++	A+++	A+++	A+++
	LWT at 55℃		A+++	A+++	A++	A++
SCOP	LWT at 35℃			5.35	4.99	4.83
	LWT at 55℃			4.17	3.91	3.76
ErP sound power level2	Monobloc unit	dB	56	57	57	58
Max power Input3		kW	2.9	3.4	4.8	5.9
Max current3 (AC)		A		17.5	24.5	29.0
Refrigerant	Type/GWP		R290/3			
	Charged volume	kg	1.1		1.43	
Compressor	Type		Rotary			
	Brand		HIGHLY		PANASONIC	
Water pump	Type		DC high-efficiency shielded pump			
	Brand		SHIMGE/Shinhoo			
	Max. pump head	m	9			
Outdoor fan	Moter type		DC brushless motor			
	Fan direction		Horizontal			
	Output power	W	100		200	
Water side heat exchanger	Type		Brazed plate			
Air side heat exchanger	Type		Finned tube			
Throttle type			Electronic expansion valve			

Technical Information

Water circuit	Piping connections	inch	G1-1/4"	
	Safety valve set pressure	MPa	0.3	
	Flow switch	m³/h	0.36	0.6
	Expansion tank Volume	L	5	
	Capacity of the back-up heater	kW	3	3
Operating ambient temp. range	Cooling	0C	-5 ~ 48	
	Heating	0C	-25 ~ 35	
	DHW(tank)	0C	-25 ~ 43	
Setting water temp. range	Cooling	°C	10 ~ 30 (LWT 5 ~ 25)	
	Heating	°C	25 ~ 80	
	DHW(tank)	°C	25 ~ 75	
Net dimension	W×D×H	mm	1283×455×1036	1283×455×1036
Packing dimension	W×D×H	mm	1360×545×1222	1360×545×1222
Net weight	Monobloc unit	kg	150	167
Gross weight	Monobloc unit	kg	174	191