

JBGHT



Natural economical refrigerant R290 (propane)



Two functions: heating and cooling



Very low noise level



High heating output at low ambient air temperature



Three-phase electrical connection



Low energy consumption due to the inverter compressor

Heat pump 10K

ZHHH-Z1-010K-R290-R5-M

jbght.com



MONOBLOCK HEAT PUMP

ZHHH-Z1-010K-R290-V5-M

Performance data – heating (EN 14511)

① A7/W35	Power range (min-max) ¹	kW	2,44 - 11,03
	Partial load ¹	kW	6,20
	Power consumption ¹	kW	1,43
	COP ¹		4,34
② A7/W55	Maximum power ²	kW	10,81
	Partial load ²	kW	8,29
	Power consumption ²	kW	3,08
	COP ²		2,69
③ A2/W35	Maximum power ³	kW	10,15
	Partial load ³	kW	6,10
	Power consumption ³	kW	1,68
	COP ³		3,63
④ A-7/W35	Maximum power ⁴	kW	8,17
	Power consumption ⁴	kW	2,98
	COP ⁴		2,74

Performance data – cooling

⑤ A35/W18	Maximum power ⁵	kW	8,63
	Partial load ⁵	kW	6,51
	Power consumption ⁵	kW	1,44
	EER ⁵		4,52
⑥ A35/W7	Maximum power ⁶	kW	7,84
	Partial load ⁶	kW	4,94
	Power consumption ⁶	kW	1,59
	EER ⁶		3,11

Product data

Pump type		air / water
Refrigerant type		R290
Refrigerant amount	kg	1,30
Maximum working pressure	bar	31
Compressor type		twin rotary
Adjustment type		electronic

Heating

Minimum working pressure	bar	1,0
Maximum working pressure	bar	3,0
Rated flow	m ³ /h	1,17
External operating temperature range	°C	from -22 to +35
Feed water temperature	°C	from +20 to +65

Physical dimensions

Depth x width x height	mm	505 x 1155 x 935
Weight	kg	132
Water connections		G 5/4 "
Sound power level	dB	50
Air flow	m ³ /h	2500

Electrical data

Electrical connection	V/Ph/Hz	400 / 3~ / 50
Protection rating		IP24
Electric heater power (option with hydrobox / hydrotower)	kW	3 / 6 / 9
Fan power consumption	W	50
Number of fans		1

SCOP

W35 4,69 / W55 3,38

Energy efficiency class

Device with a regulator – feed temperature 35°C / 55°C



Heating temperature: water I/O temperature:	① 30°C / 35°C	② 40°C / 45°C	③ 50°C / 55°C	④ 30°C / 35°C	Cooling temperature: water I/O temperature:	⑤ 23°C / 18°C	⑥ 12°C / 7°C
Ambient temperature:	DB 7°C / WB 6°C			DB 2°C / WB 1°C		Ambient temperature: DB 35°C	