

# MONOBLOCK HEAT PUMP

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

### Performance data – heating (EN 14511)

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

### Performance data – cooling

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