

Technical specification HOTJET ZETXi


hotjet

Model		10 ZETXi	15 ZETXi
Determination of heat loss			
Heating, medium zone, profile 35°C, bivalence -10°C	- 10 °C	10 kW	14 kW
Heating, cold zone, 35°C profile, bivalence -17°C	- 22 °C	13,5kW	20kW
Heating, medium zone, 55°C profile, bivalence -10°C	- 10 °C	11kW	16,5 kW
Heating, cold zone, 55°C profile, bivalence -10°C	- 22 °C	14kW	21kW
Basic information			
Version	Monoblock - internal design		
System	Air-water		
Usage	Heating / Cooling / Utility water		
Cover	Galvanised sheet metal with polyurethane coating		
Inverter technology	Emerson Copeland Scroll Variable Speed		
System control	Siemens RVS		
Backup power supply	Internal electric boiler 7,5kW		
Integrated 3-way DHW valve	YES		
External backup power supply	Electric boiler, gas boiler, solid fuel boiler		
Night operation (attenuation)	Control function		
Operating and performance data			
Operating air temperature range in heating mode	°C	-23 až +37	
Nominal output (min. / max.)	kW	8,0 (2,0-10,7)	10,0 (3,0-14,5)
Compressor power min/max for 20-90Hz, A2/W50	kW	3,6-11	5,4-16,5
Compressor power min/max for 20-90Hz, A2/W35	kW	2,6-13	4-20
Compressor power max for 90Hz, A-7/W50	kW	7,8	12
Compressor power max for 120Hz, A-7/W50	kW	11	17
Energy class		A+++/A++	A+++/A++
Power / COP for A7/W35 1) - for 60Hz	kW / -	8,04/5,02	10,29/5,03
Power / COP for A2/W35 1) - for 60Hz	kW / -	6,35/4,04	8,33/4,11
Power / COP for A-7/W35 1) - for 60Hz	kW / -	5,57/3,42	7,85/3,57
Max. compressor output temperature down to -7°C	°C	65	
Operating range of outdoor temperature for cooling	°C	15 až + 45	15 až + 45
Nominal cooling capacity (for 60Hz)	kW	6,0 (3,3-11,9)	11,0 (5,5-14,0)
Minimum cooling output temperature (upstream)	°C	7	
Cooling circuit			
Refrigerant (GWP=466)		R454B	
Amount of refrigerant / equivalent t CO2	kg/t CO2	1,3 / 0,61	1,6 / 0,75
Cooling circuit		hermetically sealed	
Hydraulic circuit			
Circulation pump	Integrated	UPMXL 25-125	
Nominal water flow (heating) for Δt 5 K	m³/h	1,4	1,6
Pressure Loss	kPa	14	15
Maximum working water pressure	bar	3	
Heating circuit connection		1" external thread	
Recommended connection pipe diameter	mm	minimum 28 (1")	
Air Conditioning			
Air flow	m3/h	3500	4000
Recommended diameter of air ducts	m2		
Noise level			
Acoustic power LwA / nominal sound pressure LWP 1m	dB(A)	56/49	58/51
Nominal sound pressure LpA 2) / night reduction	dB(A)	34/27	36/29
Mechanical details			
Dimensions: width x depth x height	mm	1000x800x1600	
Weight	kg	210	230
Wiring and cable for connection to the main switchboard (standard delivery)			
Protection in the main switchboard	A char B	3x13	3 x 13
CYKY cable	n x mm2	5x 1,5	5 x 1,5
Connection between switchboard and heat pump			
Heat pump compressor power supply	V/ Ph/ Hz	400/3~/50	400/3~/50
CYKY or CGSG cable for compressor connection	n x mm2	5 x 1,5	5 x 1,5
SEC board power supply	n x mm2	3x1,5	3x1,5
Power supply for integrated electric boiler	V/ Ph/ Hz	400/3~/50	400/3~/50
CYKY or CGSG cable for connection to the integrated electric boiler	n x mm2	5x 2,5	5 x 2,5
Modbus communication cable (shielded, communication - JYTY, SYKFY, S-UTP)	n x mm2	4x1 or 3x2x0,5mm	
System communication cable (shielded, communication - JYTY, SYKFY, S-UTP)	n x mm2	4x1 or 3x2x0,5mm	
10ZETXe			
Heat pump input/output	kW	3,74	5,61
Max. power consumption of the heat pump drive	A	5,39	8,48
Electric boost (bivalent source) - example only - add according to reality	kW	7,5	7,5
Replacement heating (electric boiler, gas boiler)	kW	if it is used	
DHW heating kW or DHW component YES/NO	kW	According to the power of the electric heater in the boiler	
Start-up current	A	2	3
Rated voltage		400/3~/50	400/3~/50

1) COP / EER according to EN 14511; 2) Distance 5m, A7/W55; Specifications or desing are subject to change without notice due to further development