


Technical specification HOTJET Wx				
				
Model		Hotjet 7 Wx	Hotjet 10 Wx	Hotjet 15 Wx
Performance data				
Heating: B0/W35 brine: output / power / COP 1)	kW / kW / -	3,7 / 0,73 / 5,1	5,3 / 1,07 / 4,95	7,97 / 1,65 / 4,8
Heating: B0/W35 brine: Pdesign / SCOP 2)	kW / -	9,09 / 5,76	12,62 / 5,77	19,18 / 5,55
Heating: B0/W35 brine: range output	kW	2,6 - 9,4	3,6 - 13	5,5 - 19,7
Heating: B0/W55 brine: output / power / COP 1)	kW / kW / -	4,7 / 1,38 / 3,4	6,5 / 1,97 / 3,3	9,92 / 3,18 / 3,1
Heating: B0/W55 brine: Pdesign / SCOP 2)	kW / -	8,55 / 4,28	11,87 / 4,28	18,05 / 4,21
Heating: B0/W55 brine: range output	kW	3 - 8,8	4,1 - 12	6,3 - 18,1
Heating: W10/W35 water: output / power / COP 1)	kW / kW / -	4,5 / 0,7 / 6,4	6,3 / 0,98 / 6,4	9,46 / 1,52 / 6,2
Heating: W10/W35 water: Pdesign / SCOP 2)	kW / -	9,19 / 7,44	12,77 / 7,45	19,41 / 7,28
Heating: W10/W35 water: range output	kW	4 - 11	4,4 - 15,2	7 - 23
Heating: W10/W55 water: output / power / COP 1)	kW / kW / -	5,5 / 1,47 / 3,73	7,7 / 2,09 / 3,68	9,65 / 2,69 / 3,58
Heating: W10/W55 water: Pdesign / SCOP 2)	kW / -	9,16 / 5,64	12,72 / 5,66	19,33 / 5,51
Heating: W10/W55 water: range output	kW	4 - 10,5	5 - 14	7,2 - 20,5
Energy efficiency class 35°C / 55°C	-		A+++ / A+++	
Technical data				
Temperature operating limits: water	°C		>3	
Temperature operating limits: brine	°C		-10 až +30 (antifreeze)	
Temperature limit of heating system min./max.	°C		15 až +60	
Heating and reversing water communication pipe			external G 1"	
Brine-water plate heat exchanger				
Cold water flow $\Delta t = 3\text{ }^{\circ}\text{C}$	m ³ . h ⁻¹	1,7	2,34	3,84
Minimum cold water flow $\Delta t = 5\text{ }^{\circ}\text{C}$	m ³ . h ⁻¹	1,3	1,3	1,4
Pressure differential on cold water flow	kPa	17	19	20
Water-water coaxial heat exchanger				
Cold water flow $\Delta t = 3\text{ }^{\circ}\text{C}$	m ³ . h ⁻¹	1,7	3	3,84
Minimum cold water flow $\Delta t = 5\text{ }^{\circ}\text{C}$	m ³ . h ⁻¹	1	1,83	2,3
Pressure differential on cold water flow	kPa	18	25	35
Plate condenser				
Heating water flow $\Delta t = 5\text{ }^{\circ}\text{C}$	m ³ . h ⁻¹	1,25	2,26	2,79
Minimum heating water flow $\Delta t = 7\text{ }^{\circ}\text{C}$	m ³ . h ⁻¹	0,9	1,59	2
Pressure differential on heating water flow	kPa			
Flow coefficient Kvs	-			
Protection against freezing water heating			Yes (optional function of controller)	
Refrigerant circuit				
Expansion valve			Electrically control	
Refrigerant type			R454B	
Refrigerant quantity	kg	1,4	1,4	1,5
Cut-off pressure of high pressure pressurestat	MPa		4,5	
Technical information, weight				
Width x Depth x Height	mm		600 x 600 x 1 130	
Weight	kg	110	135	140
Installation site			Indoor	
Cabinet			Komaxit	
Color			RAL 7035	
Electrical connection				
Nominal voltage to compressor			400V / 3 phase/ 50Hz	
Nominal voltage with RVS				
Nominal voltage to backup power				
Compressor			Copeland Variable Speed Scroll	
Maximum current	A		7,19	8,53
Fusing		20B/1	20B/3	25B/3
Compressor supply line CYKY	n x mm ²	3 x 4	5 x 2,5	5 x 2,5
Degree of protection IPX (EN60 529)			IP 21	
Sound level				
Sound power level LwA B0/W55 (2275prm)	dB		40,7	
Equipment				
Electric Switchboard			internally	
Circulation pump			UPM3K 15-75	
Flow switch			sensor PT1000	
Siemens regulator			RVS21	
Operator panel			optionally	
Room wired controller			optionally	
Outside sensor			yes	
Control via internet			yes with websever	
MODBUS communication				
1) according norm EN 14511				
2) according norm EN 14511 colder				
3) according norm EN 14 825				