

Technical specification HOTJET ONE2


hotjet

Model	10 ONE2	15 ONE2	20 ONE2	25 ONE2	35 ONE2	45 ONE2	55 ONE2
Performance data							
	Heating capacity [kW] / Cower [kW] / Heating coefficient [COP]						
Heating: A7/W35 1)	11,34 / 2,68 / 4,23	13,25 / 3,11 / 4,26	18,81 / 4,18 / 4,50	30,10 / 6,99 / 4,30	33,6 / 7,34 / 4,58	40,2 / 9,1 / 4,42	53/12/4,4
Heating: A2/W35 1)	8,71 / 2,61 / 3,33	11,07 / 3,16 / 3,50	15,62 / 4,21 / 3,71	22,15 / 6,43 / 3,44	28,0 / 7,29 / 3,84	33,6 / 8,85 / 3,74	43,80/11,83/3,70
Heating: A-7/W35 1)	7,80 / 2,63 / 2,96	9,64 / 3,20 / 3,00	11,66 / 3,70 / 3,15	20,64 / 6,95 / 2,97	22,83 / 7,23 / 3,16	27,35 / 8,87 / 3,08	30,00/10,00/3,00
Heating: A7/W55 1)	11,91 / 4,09 / 2,91	13,56 / 4,80 / 2,83	16,91 / 5,79 / 2,92	29,99 / 10,99 / 2,73	33,47 / 11,66 / 2,87	40,10 / 14,32 / 2,80	54/18/3,0
Heating: A2/W55 1)	10,27 / 4,09 / 2,51	11,78 / 4,82 / 2,44	14,48 / 5,74 / 2,52	25,73 / 10,90 / 2,36	28,67 / 11,47 / 2,50	34,35 / 14,08 / 2,44	40,00/16,73/2,39
Heating: A-7/W55	8,83 / 4,08 / 2,17	9,26 / 4,87 / 2,11	12,29 / 5,66 / 2,17	21,94 / 10,74 / 2,04	24,38 / 11,14 / 2,19	29,21 / 13,66 / 2,14	-
Energy efficiency class 35°C 2)	A+	A++	A++	A++	A++	A++	A++
Energy efficiency class 55°C 2)	A+	A+	A+	A+	A+	A+	A++
Cooling : A35/W7	8.50 / 3.40 / 2.50	10.20 / 4.20 / 2.40	14.00 / 5.80 / 2.40	22	23.87 / 9.61 / 2.48	28.32 / 11.79 / 2.4	36/12,8/2,81
Technical data							
Temperature operation limits for air	-22°C až 40°C						
Temperature limit of heating system min/max	20 až 62 (do -10°C)						
Heating and reversing water communication pipe	vnější G 5/4"						vnější G 6/4"
Nominal flow rate on the heating side $\Delta t = 5^\circ\text{C}$ [m ³ · h ⁻¹]	1,95	2,34	3,37	5,18	6,1	7,64	7,64
Minimum flow rate on the heating side $\Delta t = 7^\circ\text{C}$ [m ³ · h ⁻¹]	1,39	1,67	2,4	3,69	4,36	5,46	5,46
Pressure loss [kPa]	5,5	6	7	9	9,2	10,3	10,3
Flow coefficient Kvs [-]	8,3	9,4	12,7	17,2	-	-	-
Protection against freezing water heating	Yes (must be switched on power supply)						
Air flow rate [m ³ · h ⁻¹]	4 000	4 500	5 000	8 400	10 500	12 300	12 300
Refrigerant circuit							
Expansion valve	Electronic controlled: 1 x Main 1 x Refrigerant injection EVI						
Coolant injection system EVI	Yes						
Refrigerant type	R407C						R410a
Defrosting	Automatic or on-demand						
Refrigerant quantity [kg]	4	4,5	5	11,5	14,5	15,4	15,4
Type of defrosting	Hot refrigerant (reversing circuit)						
Heating the condensate pan	By residual heat of the refrigerant						
Condensate drain [mm]	ø 30						
Heating the condensate drain pipe	Optimized functions in regulating prepared						
Tripping the flowpressure switnch [MPa]	0,05						
Cut-off pressure of high pressure pressurestat [MPa]	3,2						
Technical information, weight							
Width x Depth x Hieght [mm]	1 270 x 500 x 1 210		1 620 x 600 x 1 480		1 720 x 700 x 1 680		
Weight [kg]	200	205	205	250	350	370	410
Installation site	Outdoor						
Color	RAL 7016 (color on demand)						
Electrical connection							
Nominal voltage	400V / 3 phase / 50Hz						
Compressor	Scroll EVI						
Nominal current A7/W35 [A]	5,2	5,8	8,4	11,2	14,7	16,4	19
Nominal current [A]	7,9	9	16,5	22	27	30	37,4
Starting current [A]	66	66	73	80	96	96	174
Starting current with soft starter	39,6	39,6	43,8	48	58	58	104
Compressor fuse with soft starter	10C/3	10C/3	20C/3	25C/3	32C/3	32C/3	40C/3
Fusing	20B/3 nebo 16C/3	20B/3 nebo 16C/3	25B/3	32B/3	40C/3	40C/3	50C/3
Compressor supply line CYKY [n x mm ²] 3)	5 x 4	5 x 4	5 x 6	5 x 6	5 x 10	5 x 10	5 x 16
Sound level							
	according to EN 12102 at A7 / W55 (the highest)						
Sound power level Lwa[dB]	max: 67		max: 71,5		max 73.5		max 76,5
Sound pressure level at Lpa 5 m [dB]	48		52,5		54,5		57,5
EC FAN	630mm		800mm		900 mm		
Change fan speed	Continuous, from 0-10V signal control						
Equipment							
Electric Switchboard	External (398x647x166 - w/d/h) 16 kg						
Operator panel	remote AVS37 or AVS74						
Electric cable (between outdoor unit and control box)	5m satandard (up tp 25m, above 25m change cable type)						
Siemens regulator	RVS21+ AVS55.199 + AVS75.370			RVS21 + AVS55.196			
Drive expansion valves	By RVS21			Carel or emerson			
Phase control	Yes (for RVS21 external, RVS61 internal)						
Room wired controller	QAA75 (wired), QAA78 (wireless)						
Outside sensor	QAC34						
Control via internet	Yes (via web-server for 1, 4 or 16 regulators)						
Cascade	Yes, up-to 16 HPs (RVS21 with OCI345, RVS61 standard)						
MODBUS communication	Yes (With extension Modbus communication module)						
Dotace							
Kotlíková dotace	Ano			Ano			
1) According to European standard EN 14511 2) According to European standard EN 14825 for medium climate. 3) The supply cable dimensions and circuit breaker size are given for the basic configuration of the heat pump with compressor, fan, circulator and control. If installing bivalence circuit breakers and contactors and other appliances, they must be recalculated according to the projected draw 4) Sized for a maximum length of 25m.							