AIR-TO-WATER HEAT PUMP · R290

KITA XS 7.5 - KITA XS 9

High-efficiency reversible air-to-water heat pump



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KITA XS 7.5 · XS 9

Heating performance data

Full load performance calculated according to UNI EN 14511	XS 7.5	XS 9
A7/W35		
Heating capacity [kW]	7.50	9.00
COP [-]	4.66	4.23
Power input [kW]	1.61	2.13
Power regulation [kW]	2.00 - 7.50	2.32 - 9.00
A2/W35		
Heating capacity [kW]	6.47	7.76
COP [-]	4.31	3.74
Power input [kW]	1.50	2.07
Power regulation [kW]	2.20 - 6.47	2.59 - 7.76
A-7/W35		
Heating capacity [kW]	5.32	6.43
COP [-]	3.26	2.88
Power input [kW]	1.63	2.23
Power regulation [kW]	2.34 - 5.32	2.79 - 6.43
A7/W55		
Heating capacity [kW]	6.63	8.13
COP [-]	3.15	2.89
Power input [kW]	2.10	2.81
Power regulation [kW]	1.59 - 6.63	1.94 - 8.13
A2/W55		
Heating capacity [kW]	5.88	7.18
COP [-]	2.96	2.64
Power input [kW]	1.99	2.72
Power regulation [kW]	1.83 - 5.88	2.26 - 7.18
A-7/W55		
Heating capacity [kW]	4.84	6.12
COP [-]	2.32	2.12
Power input [kW]	2.09	2.89
Power regulation [kW]	2.03 - 4.84	2.54 - 6.12

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Performance data and energy class

Heating performance data according to EN14825 (average climate)	XS 7.5	XS 9
Low-temperature applications (W35)		
Nominal heating capacity [kW]	5.56	7.30
Seasonal Energy Efficiency ηs [%]	217.3	200.0
Seasonal Coefficient of Performance (SCOP)	5.51	5.07
Medium Temperature Applications (W55)		
Nominal heating capacity [kW]	6.04	6.94
Seasonal Energy Efficiency ηs [%]	169.3	158.2
Seasonal Coefficient of Performance (SCOP)	4.31	4.03

Energy Efficiency Class according to EU Regulation 813/2013 (Heating, Average Climate)	XS 7.5	XS 9
Low-temperature applications (W35)	A+++	A+++
Medium Temperature Applications (W55)	A+++	A+++

Cooling Capacity Data according to EN14511	XS 7.5	XS 9
A35/W7		
Cooling capacity [kW]	6.00	7.00
EER [-]	3.15	2.79
Power input [kW]	1.90	2.51
Power regulation [kW]	1.41 - 6.00	1.71 - 7.00
A35/W18		
Cooling capacity [kW]	6.45	6.65
EER [-]	4.78	4.71
Power input [kW]	1.35	1.41
Power regulation [kW]	2.03 - 6.45	2.45 - 6.65

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Technical data

Operating range	XS 7.5	XS 9
Outdoor Air Temperature [°C]	-22 / 46	-22 / 46
Heating Water Flow Temperature [°C]	10 / 65	10 / 65
Cooling Water Flow Temperature [°C]	5 / 25	5 / 25

Sound power	XS 7.5	XS 9
Outdoor Sound Power Level ErP [dB(A)]	53.00	53.00
Maximum Outdoor Sound Power Level [dB(A)]	62.75	62.75

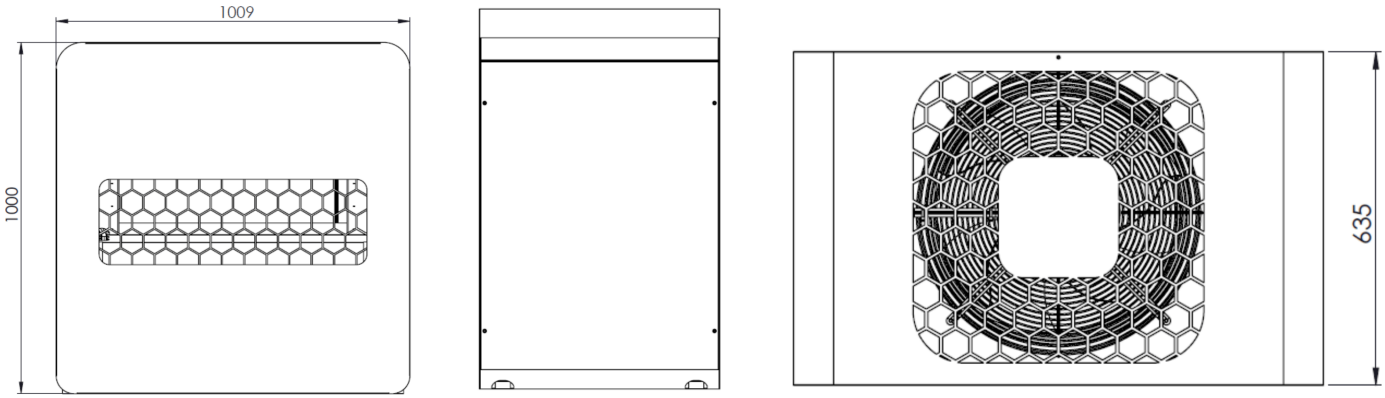
Outdoor Fan	XS 7.5	XS 9
Nominal Air Flow Rate [m³/h]	3,557	3,396
Maximum Speed [rpm]	960	960

Water circuit	XS 7.5	XS 9
Nominal water flow rate A7/W35 ΔT=5K [l/min]	21.50	25.80
Maximum Pressure [bar]	2.5	2.5

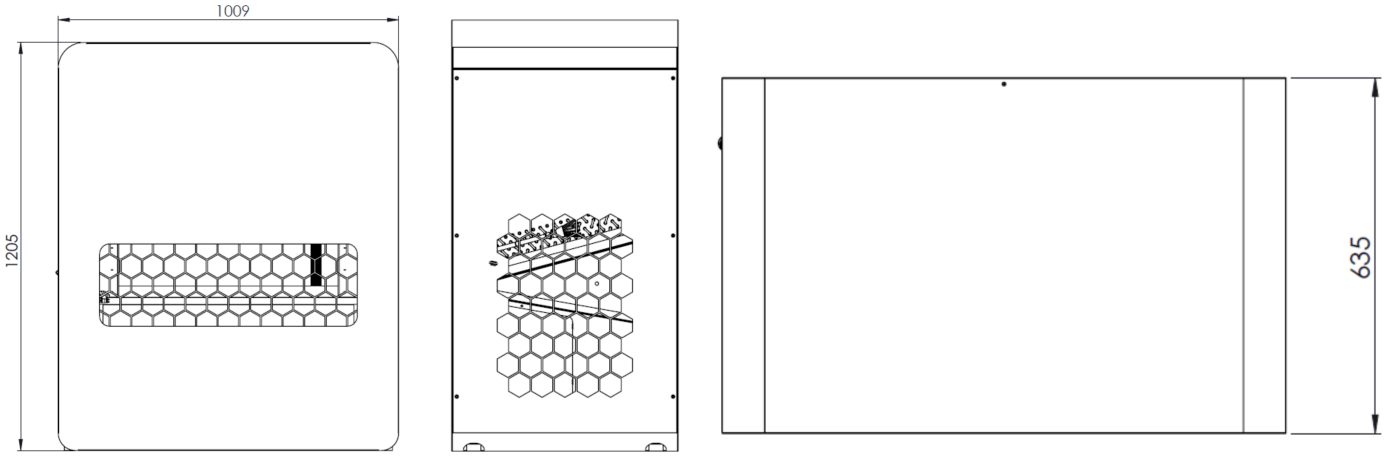
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Dimensions

Low version



High version



Dimensions and weight	XS 7.5	XS 9
Dimensions (HxWxD) [mm] (low version)	1000 x 1009 x 635	1000 x 1009 x 635
Dimensions (HxWxD) [mm] (high version)	1205 x 1009 x 635	1205 x 1009 x 635
Weight [kg]	155	160