AIR-TO-WATER HEAT PUMP · R290

KITA SP

High-efficiency reversible air-to-water heat pump



COM.SCH019AB-00 REV.0 - 28/10/2026

KITA SP-8 · SP-10 · SP-12

Heating performance data

Full load performance calculated according to UNI EN 14511	SP-8	SP-10	SP-12
A7/W35			
Heating capacity [kW]	8.00	10.00	12.10
COP [-]	5.78	5.44	4.99
Power input [kW]	1.38	1.84	2.42
Power regulation [kW]	4.20 - 8.00	4.20 - 10.00	4.20 - 12.10
A2/W35			
Heating capacity [kW]	7.01	8.81	11.53
COP [-]	4.92	4.72	4.23
Power input [kW]	1.42	1.87	2.73
Power regulation [kW]	4.62 - 7.01	4.62 - 8.81	4.62 - 11.53
A-7/W35			
Heating capacity [kW]	5.76	7.36	10.94
COP [-]	3.72	3.52	3.02
Power input [kW]	1.55	2.09	3.62
Power regulation [kW]	4.95 - 5.76	4.95 - 7.36	4.95 - 10.94
A7/W55			
Heating capacity [kW]	7.12	9.13	10.93
COP [-]	3.70	3.53	3.23
Power input [kW]	1.92	2.59	3.38
Power regulation [kW]	3.65 - 7.12	3.65 - 9.13	3.65 - 10.93
A2/W55			
Heating capacity [kW]	6.29	8.08	10.47
COP [-]	3.32	3.17	2.80
Power input [kW]	1.89	2.55	3.74
Power regulation [kW]	4.14 - 6.29	4.14 - 8.08	4.14 - 10.47
A-7/W55			
Heating capacity [kW]	5.23	6.87	10.09
COP [-]	2.54	2.42	2.06
Power input [kW]	2.06	2.84	4.90
Power regulation [kW]	4.53 - 5.23	4.53 - 6.87	4.54 - 10.09

KITA SP-8 · SP-10 · SP-12

Performance data and energy class

Heating performance data according to EN14825 (average climate)	SP-8	SP-10	SP-12
Low-temperature applications (W35)			
Nominal heating capacity [kW]	6.53	8.34	12.41
Seasonal Energy Efficiency ηs [%]	221.5	226.8	214.6
Seasonal Coefficient of Performance (SCOP)	5.61	5.75	5.44
Medium Temperature Applications (W55)			
Nominal heating capacity [kW]	6.02	7.75	11.59
Seasonal Energy Efficiency ηs [%]	160.7	165.1	158.9
Seasonal Coefficient of Performance (SCOP)	4.09	4.20	4.05

Energy Efficiency Class according to EU Regulation 813/2013 (Heating, Average Climate)	SP-8	SP-10	SP-12
Low-temperature applications (W35)	A+++	A+++	A+++
Medium Temperature Applications (W55)	A+++	A+++	A+++

Cooling Capacity Data according to EN14511	SP-8	SP-10	SP-12
A35/W7			
Cooling capacity [kW]	6.40	8.22	10.00
EER [-]	3.86	3.62	3.36
Power input [kW]	1.66	2.27	2.98
Power regulation [kW]	3.14 - 6.40	3.14 - 8.22	3.14 - 10.00
A35/W18			
Cooling capacity [kW]	9.36	10.00	10.00
EER [-]	5.57	5.43	5.43
Power input [kW]	1.68	1.84	1.84
Power regulation [kW]	4.65 - 9.36	4.65 - 10.00	4.65 - 10.00

KITA SP-8 · SP-10 · SP-12

Technical data

Operating range	SP-8	SP-10	SP-12
Outdoor Air Temperature [°C]	-22 / 46	-22 / 46	-22 / 46
Heating Water Flow Temperature [°C]	10 / 65	10 / 65	10 / 65
Cooling Water Flow Temperature [°C]	5 / 25	5 / 25	5 / 25

Sound power	SP-8	SP-10	SP-12
Outdoor Sound Power Level ErP [dB(A)]	50.00	50.00	50.00
Maximum Outdoor Sound Power Level [dB(A)]	58.68	58.68	58.68

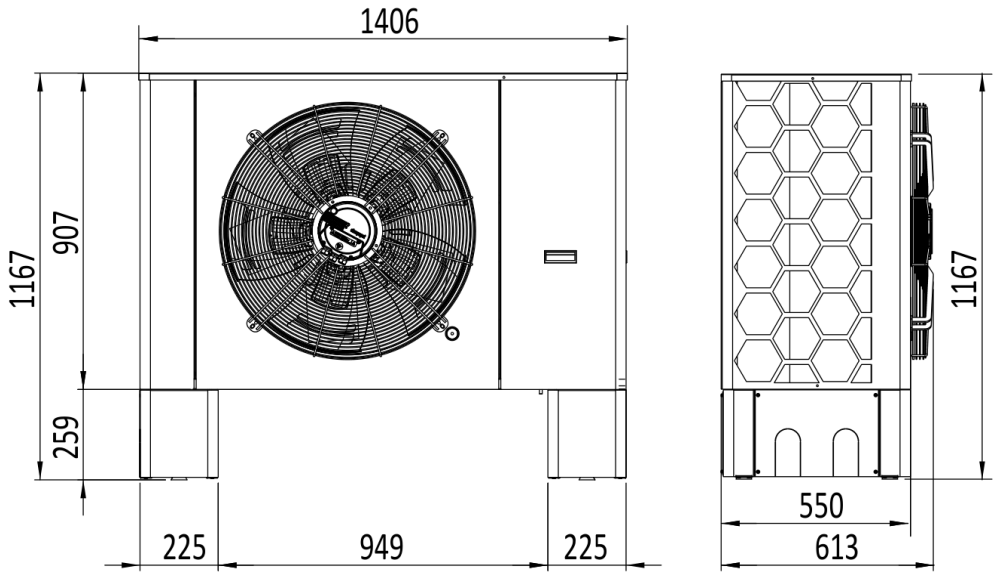
Outdoor Fan	SP-8	SP-10	SP-12
Nominal Air Flow Rate [m³/h]	7,050	7,817	10,137
Maximum Speed [rpm]	710	710	710

Water circuit	SP-8	SP-10	SP-12
Nominal water flow rate A7/W35 ΔT=5K [l/min]	23.00	29.00	34.00
Maximum Pressure [bar]	2.5	2.5	2.5

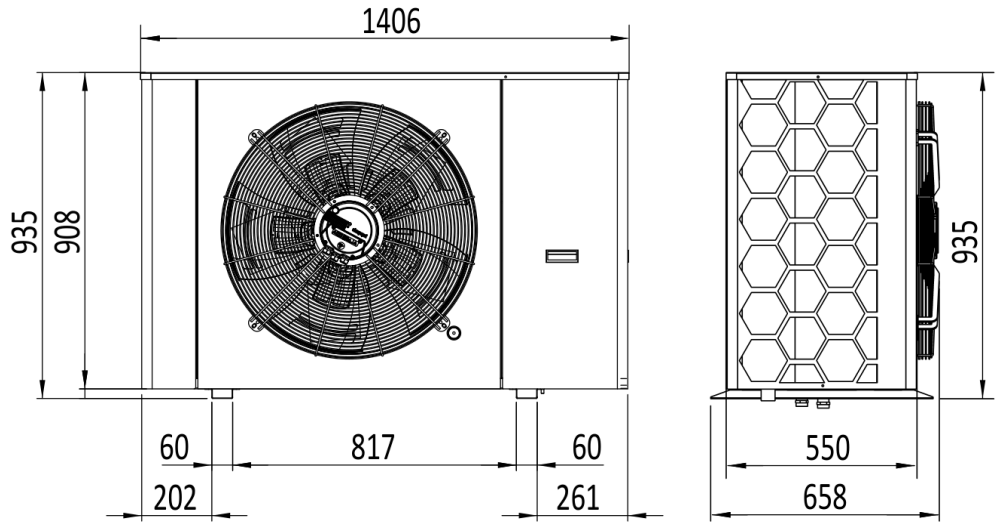
KITA SP-8 · SP-10 · SP-12

Dimensions

Dimensions with legs



Dimensions with brackets



Dimensions and weight	SP-8	SP-10	SP-12
Dimensions (HxWxD) [mm] (with legs)	1167 x 1406 x 550	1167 x 1406 x 550	1167 x 1406 x 550
Dimensions (HxWxD) [mm] (with brackets)	908 x 1406 x 550	908 x 1406 x 550	908 x 1406 x 550
Weight [kg]	180	180	180