



KITA MP

High-efficiency reversible air-to-water heat pump

Full load performance calculated according to UNI EN 14511	MP-14	MP-16	MP-18	MP-20
A7/W35				
Heating capacity [kW]	14,00	15,04	18,04	20,00
COP [-]	4,92	4,75	5,09	4,90
Power input [kW]	2,85	3,17	3,54	4,08
Power regulation [kW]	4.22 - 14.00	4.22 - 15.04	5.86 - 18.04	5.87 - 20.00
A2/W35				
Heating capacity [kW]	12,31	13,58	15,91	18,42
COP [-]	4,26	4,16	4,46	4,27
Power input [kW]	2,89	3,26	3,57	4,31
Power regulation [kW]	4.66 - 12.31	4.66 - 13.58	6.49 - 15.91	6.52 - 18.42
A-7/W35				
Heating capacity [kW]	10,31	11,36	13,24	16,38
COP [-]	3,18	2,95	3,31	3,16
Power input [kW]	3,24	3,85	4,00	5,18
Power regulation [kW]	5.02 - 12.31	5.03 - 11.36	13.24 - 6.99	7.02 - 16.38
A7/W55				
Heating capacity [kW]	12,64	13,87	16,72	18,49
COP [-]	3,16	3,00	3,38	3,26
Power input [kW]	4,00	4,62	4,95	5,67
Power regulation [kW]	3.68 - 12.64	3.68 - 13.87	5.56 - 16.72	5.17 - 18.49
A2/W55				
Heating capacity [kW]	11,15	12,29	14,84	17,15
COP [-]	2,80	2,70	3,01	2,87
Power input [kW]	3,98	4,55	4,93	5,98
Power regulation [kW]	4.18 - 11.15	4.18 - 12.29	6.26 - 14.84	5.97 - 17.15
A-7/W55				
Heating capacity [kW]	9,56	10,45	12,54	15,47
COP [-]	2,10	2,11	2,28	2,15
Power input [kW]	4,55	4,95	5,50	7,20
Power regulation [kW]	4.59 - 9.56	4.59 - 10.45	6.82 - 12.54	6.64 - 15.47

Heating performance data according to EN14825 (average climate)	MP-14	MP-16	MP-18	MP-20
Low-temperature applications (W35)				
Nominal heating capacity [kW]	11,80	12,67	15,00	18,56
Seasonal Energy Efficiency η_s [%]	204,7	202,1	212,3	206,9
Seasonal Coefficient of Performance (SCOP)	5,19	5,13	5,38	5,25
Medium Temperature Applications (W55)				
Nominal heating capacity [kW]	10,95	10,72	14,32	17,65
Seasonal Energy Efficiency η_s [%]	147,5	147,4	164,1	161,6
Seasonal Coefficient of Performance (SCOP)	3,76	3,76	4,18	4,12

Energy Efficiency Class according to EU Regulation 813/2013 (Heating, Average Climate)	MP-14	MP-16	MP-18	MP-20
Low-temperature applications (W35)	A+++	A+++	A+++	A+++
Applicazioni a bassa temperatura (W55)	A+++	A+++	A+++	A+++

Cooling Capacity Data according to EN14511	MP-14	MP-16	MP-18	MP-20
A35/W7				
Heating capacity [kW]	12,00	12,00	12,00	12,00
EER [-]	3,11	3,11	3,38	3,38
Power input [kW]	3,86	3,86	3,55	3,55
Power regulation [kW]	3.18 - 12.00	3.18 - 12.00	3.55 - 12.00	3.55 - 12.00
A35/W18				
Heating capacity [kW]	12,00	12,00	12,00	12,00
EER [-]	5,61	5,61	5,41	5,41
Power input [kW]	2,14	2,14	2,22	2,22
Power regulation [kW]	4.74 - 12.00	4.75 - 12.00	5.21 - 12.00	5.21 - 12.00

Operating range	MP-14	MP-16	MP-18	MP-20
Outdoor Air Temperature [°C]	-22 / 46	-22 / 46	-22 / 46	-22 / 46
Heating Water Flow Temperature [°C]	10 / 65	10 / 65	10 / 65	10 / 65
Cooling Water Flow Temperature [°C]	5 / 25	5 / 25	5 / 25	5 / 25

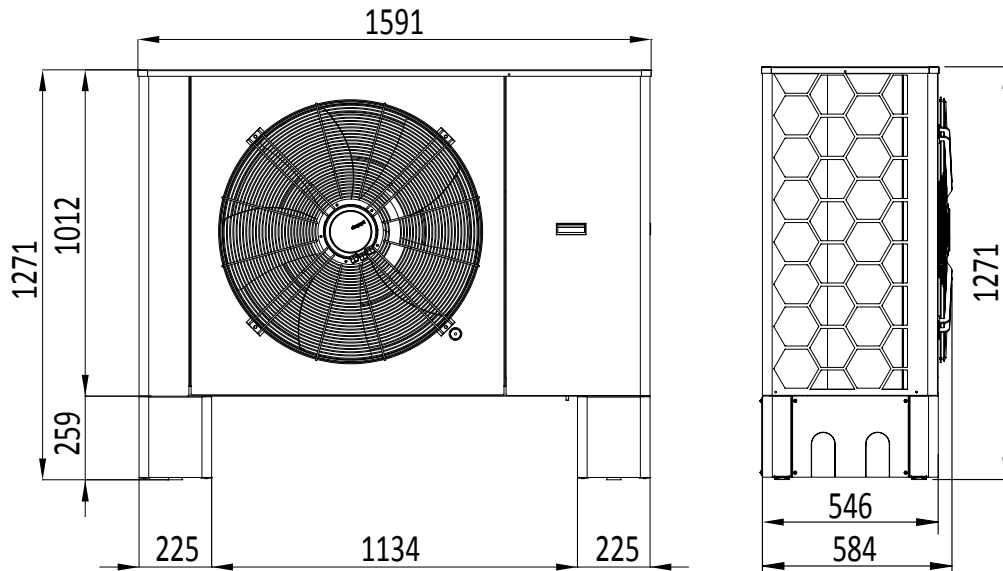
Sound power	MP-14	MP-16	MP-18	MP-20
Outdoor Sound Power Level ErP [dB]	50,00	50,00	51,00	51,00
Maximum Outdoor Sound Power Level [dB]	58,68	58,68	63,05	63,05

Outdoor Fan	MP-14	MP-16	MP-18	MP-20
Nominal Air Flow Rate [m³/h]	10135	10653	11298	12620
Maximum Speed [rpm]	600	600	735	735

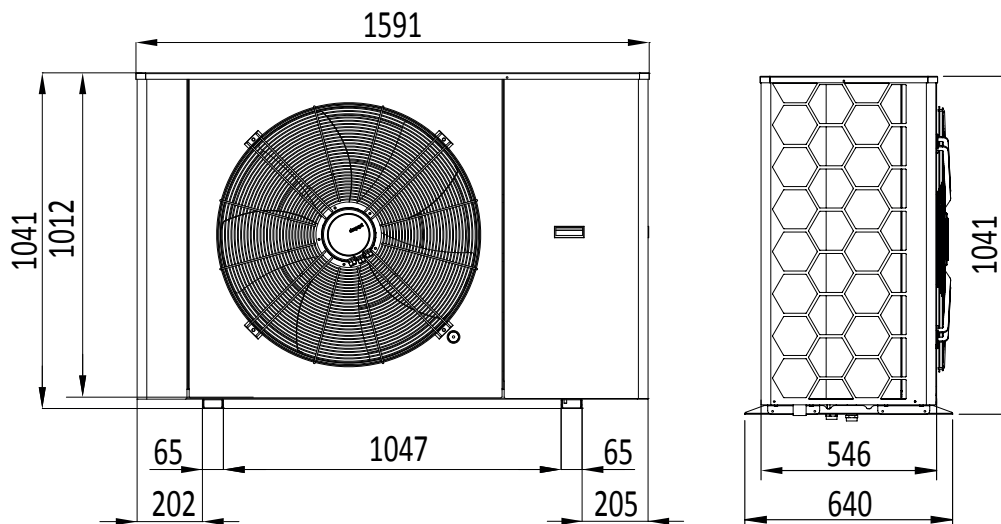
Water circuit	MP-14	MP-16	MP-18	MP-20
Alarm Flow Rate Threshold (L/min)	25	25	30	30
Recommended Minimum Flow Rate (L/min)	35	40	45	50
Nominal water flow rate A7/W35 T=5K (L/min)	40	46	52	57
Meter size flow meter	DN25	DN25	DN25	DN25
Maximum Pressure [bar]	2,5	2,5	2,5	2,5

Electric Data	MP-14	MP-16	MP-18	MP-20
Power supply (V/Ph/Hz)	230 V(1ph) 400 V(3ph)		400 V 3ph	
Power Input [kW]	4,74	5,46	6,31	6,87
Inverter (A)	18			
Miniature Circuit Breaker(A)	20			
Residual current device (mA)	30			
Cable Cross-Section in mm² (for lengths up to 5 m)	3x4 (1ph) 5x4 (3ph)		5x4	

DIMENSIONS WITH LEGS



DIMENSIONS WITH BRACKETS



Dimensions: 1012 mm (H) x 1591 mm (L) x 546 mm (P)

Peso: 220 Kg