



KITA LP Plus

High-efficiency reversible air-to-water heat pump

Full load performance calculated according to UNI EN 14511		LP Plus 35	LP Plus 40
A7/W35			
Heating capacity [kW]		35,00	40,00
COP [-]		4,92	4,72
Power input [kW]		7,11	8,47
Power regulation [kW]		10.78 - 35.00	10.78 - 40.00
A2/W35			
Heating capacity [kW]		30,65	35,35
COP [-]		4,28	4,07
Power input [kW]		7,16	8,69
Power regulation [kW]		11.25 - 30.65	11.25 - 35.35
A-7/W35			
Heating capacity [kW]		25,60	29,34
COP [-]		3,19	3,04
Power input [kW]		8,03	9,65
Power regulation [kW]		11.33 - 25.60	11.33 - 29.34
A7/W55			
Heating capacity [kW]		33,62	37,50
COP [-]		3,30	3,12
Power input [kW]		10,19	12,02
Power regulation [kW]		9.71 - 33.62	9.71 - 37.50
A2/W55			
Heating capacity [kW]		28,76	33,18
COP [-]		2,92	2,78
Power input [kW]		9,85	11,94
Power regulation [kW]		10.43 - 28.76	10.43 - 33.18
A-7/W55			
Heating capacity [kW]		24,12	28,04
COP [-]		2,22	2,23
Power input [kW]		10,86	12,57
Power regulation [kW]		10.78 - 24.12	10.78 - 28.04

Heating performance data according to EN14825 (average climate)		LP Plus 35	LP Plus 40
Low-temperature applications (W35)			
Nominal heating capacity [kW]		29,00	33,25
Seasonal Energy Efficiency η_s [%]		225,3	219,1
Seasonal Coefficient of Performance (SCOP)		5,71	5,55
Medium Temperature Applications (W55)			
Nominal heating capacity [kW]		27,73	31,69
Seasonal Energy Efficiency η_s [%]		163,8	162,4
Seasonal Coefficient of Performance (SCOP)		4,17	4,14

Energy Efficiency Class according to EU Regulation 813/2013 (Heating, Average Climate)	LP Plus 35	LP Plus 40
Low-temperature applications (W35)	A+++	A+++
Applicazioni a bassa temperatura (W55)	A+++	A+++

Cooling Capacity Data according to EN14511	LP Plus 35	LP Plus 40
A35/W7		
Heating capacity [kW]	27,83	31,38
EER [-]	3,22	2,95
Power input [kW]	8,64	10,64
Power regulation [kW]	7.59 - 27.83	7.59 - 27.83
A35/W18		
Heating capacity [kW]	38,08	38,08
EER [-]	4,30	4,30
Power input [kW]	8,86	8,86
Power regulation [kW]	10.89 - 38.08	10.89 - 38.08

Operating range	LP Plus 35	LP Plus 40
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

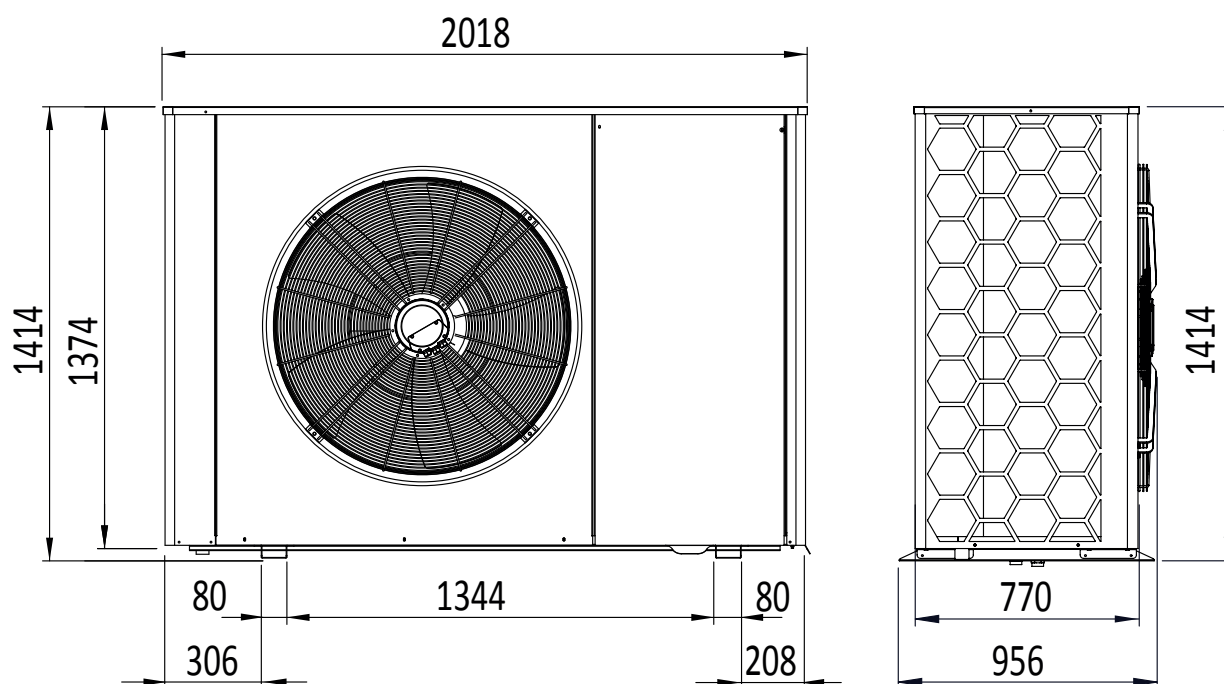
Sound power	LP Plus 35	LP Plus 40
Outdoor Sound Power Level ErP [dB]	61,00	61,00
Maximum Outdoor Sound Power Level [dB]	66,20	66,20

Outdoor Fan	LP Plus 35	LP Plus 40
Nominal Air Flow Rate [m³/h]	16489	17978
Maximum Speed [rpm]	640	640

Water circuit	LP Plus 35	LP Plus 40
Alarm Flow Rate Threshold (L/min)	70	70
Recommended Minimum Flow Rate (L/min)	90	100
Nominal water flow rate A7/W35 T=5K (L/min)	100	115
Meter size flow meter	DN25	DN25
Maximum Pressure [bar]	2,5	2,5

Electric Data	LP Plus 35	LP Plus 40
Power supply (V/Ph/Hz)	400 V 3ph	
Power Input [kW]	11,90	14,07
Inverter (A)	38	
Miniature Circuit Breaker(A)	40	
Residual current device (mA)	30	
Cable Cross-Section in mm² (for lengths up to 5 m)	5x10	

DIMENSIONS WITH BRACKETS



Dimensions: 1414 mm (H) x 2018 mm (L) x 956 mm (P)

Peso: 320 Kg