

ULTIMA MONO air-to-water heat pump with integrated DHW tank DATA SHEET (6-16kW)



Outdoor units			HLT6MONO-S	HLT9MONO-S	HLT12MONO-S	HLT16MONO-3S
Heating A7W35 ¹	Capacity	kW	3.1 - 6.7	3.1 - 9.5	3.8 - 12.0	5.6 - 16.5
	Power input	kW	0.68 - 1.5	0.59 - 2.09	0.9 - 3.07	1.12 - 4.17
	COP Max	W/W	4.83	5.10	4.80	5.05
Heating A7W45 ²	Capacity	kW	3.0 - 6.5	2.7 - 9.0	3.7 - 11.0	5.3 - 15.5
	Power input	kW	0.6 - 1.8	0.73 - 2.4	1.1 - 3.35	1.37 - 4.77
	COP Max	W/W	3.86	4.00	3.70	3.85
Cooling A35W18 ³	Capacity	kW	2.4 - 5.4	2.4 - 8.0	5.0 - 10.2	6.9 - 13.2
	Power input	kW	0.51 - 1.3	0.77 - 2.1	1.4 - 2.84	1.54 - 3.65
	EER Max	W/W	4.23	4.00	3.90	4.40
Cooling A35W7 ⁴	Capacity	kW	1.3 - 3.7	1.8 - 6.0	3.6 - 7.5	4.8 - 10.1
	Power input	kW	0.47 - 1.26	0.72 - 1.95	1.33 - 2.74	1.55 - 3.54
	EER Max	W/W	2.95	3.05	2.9	3.05
Seasonal space heating energy efficiency class ⁵	Water outlet at 35°C	class	A+++			
	Water outlet at 55°C	class	A++			
SCOP 35°C ⁵		-	4.62	4.76	4.57	4.71
Power supply	V/Hz/Ph		220-240/50/1			380-415/50/3
Power cord	mm ²		3x2.5		3x4.0	5x2.5
Circuit breaker	A		C16		C25	C16
Refrigerant	Type (GWP)	-	R290 (3)			
	Amount	kg	0.6	0.7	0.9	1.5
Compressor	Type	-	DC twin rotary inverter			
Fan	Type		DC motor			
	Quantity	-	1			2
	Airflow	m ³ /h	3150		3300	6300
	Rated power	W	62			124
Water side heat exchanger	Type	-	Plate heat exchanger			
	Piping connection	inch	G1"			G1-1/4"
Sound pressure level (1m)	dB(A)		40	39	41	40
Sound power level ⁶	dB(A)		54	54	56	56
Ambient temperature range	°C		-25 ~ 45			
Heating water temperature range	°C		20 ~ 75			
Cooling water temperature range	°C		7 ~ 25			
Outdoor dimensions (W x D x H)	mm		1255x440x885		1255x440x985	1140x460x1490
Net weight	kg		98	109	120	164
Indoor unit with integrated DHW tank			HLT-9-250-3S			HLT-12-250-3S
DHW tank volume	l		250			
Power supply	V/Hz/Ph		380-415/50/3			
Power cord	mm ²		5x2.5			
Circuit breaker	A		C16			
Electric heater	kW		9 (3+6)			
3-way valve	-		Yes			
Allowable water flow (min / rated / max)	l/s		0.20 / 0.29 / 0.37	0.27 / 0.38 / 0.50	0.40 / 0.57 / 0.75	0.50 / 0.72 / 0.93
	l/min		12 / 17.4 / 22.2	16.2 / 22.8 / 30	24 / 34.2 / 45	30 / 43.2 / 55.8
	m ³ /h		0.72 / 1.04 / 1.33	0.97 / 1.37 / 1.8	1.44 / 2.05 / 2.7	1.8 / 2.59 / 3.35
Water flow meter	-		Yes			
Circulation pump / Max head, m	-		Grundfos DC / 9			Grundfos DC / 12
Sound pressure level (1m)	dB(A)		19	20	21	23
Sound power level	dB(A)		33	33	34	37
Indoor dimensions (W x D x H)	mm		600x710x1720			
Net weight	kg		115			

1 Air temperature +7°C, 85% RH, water temperature +30/35°C.

2 Air temperature +7°C, 85% RH, water temperature +40/45°C.

3 Air temperature +35°C, water temperature +23/18°C.

4 Air temperature +35°C, water temperature +12/7°C.

5 Seasonal energy efficiency class tested in average climate general.

6 Tested according to the EN12102-1 standard.