

High-efficiency air-to-water heat pump

LA40TU

The LATU range of air source heat pumps is able to meet heat loads from 17kW to 45KW with a single unit and if banked together can achieve outputs up to 630kW. The high efficiency design delivers excellent seasonal performance which helps to meet building regulations and reduce running costs.



- High efficiency and high output air source heat pump with electronic expansion valve. Designed for outdoor installation.
- Two scroll compressors to flexibly and efficiently adapt to fluctuating heat demand with intelligent load switching between compressors to maximise compressor life.
- Supplied complete with wall mounted WPM Econ5Plus heat pump manager.
- Reduced operational noise through the use of two optimised EC-3D fans, an encapsulated compressor housing and a free-swinging compressor base plate.



Model Reference	LA40TU
Max. flow temperature	58 °C
Air operating limits	-25 to 35 °C
Heat output A-7/W35 / COP A-7/W35*	
1 Compressor	13.50 kW / 3.10
2 Compressors	23.80 kW / 3.01
Heat output A2/W35 / COP A2/W35*	
1 Compressor	16.80 kW / 3.91
2 Compressors	30.00 kW / 3.81
Heat output A7/W35 / COP A7/W35*	
1 Compressor	20.00 kW / 4.60
2 Compressors	35.70 kW / 4.40
Heat output A10/W35 / COP A10/W35*	
1 Compressor	21.70 kW / 4.90
2 Compressors	38.10 kW / 4.70
Nominal power consumption at A7/W35*	8.1 kW
Sound power level	70 dB (A)
Sound pressure level in 10 m	43 dB (A)
Refrigerant	R404A / 11.8 kg
Max. heating water flow rate / Pressure drop	6.2 m ³ /h / 3900 Pa
Heat source flow (min.)	11000 m ³ /h
Dimensions (W x H x D)	1735 x 2100 x 952 mm
Weight	585 kg
Rated voltage	3/N/PE ~400 V, 50 Hz
Starting current with soft starter	30 A
Fuse protection**	C 25 A
Type of defrosting	Reverse circulation
Connection heating	1 ½ inch
ETL listed	Yes
MCS Certified	Yes
SAP Q listed	No

*Determined in accordance with EN14511

**Fuse and cable to be determined in accordance with BS7671