ASHP 7.5kW Premium / 300 Premium Compact

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 204907

This pack provides a an energy efficient heating and hot water solution for your home, delivering comfort and warmth even when the weather falls below zero. This pack also offers active cooling for warmer summer months. 75 °C flow temperatures make the pack suitable for properties using radiators and those with higher hot water demands. Integral indoor cylinder, giving you a heating and hot water supply from a signal unit perfect for properties limited on space. The main controller for the unit is mounted on the front of the cylinder and keeps your system running to its maximum efficiency. Pack includes a room thermostat so you can monitor the temperature of your home. Internet service gateway enables you to control your heating and hot water from our app and allows your installer to remotley diagnose any system issues. Engineered to give you excellent running costs but also to be easy to live with. We have taken extra care in our air source heat pump design to make our unit super quiet.

The main features

- The integral WPM heat pump manager makes the system easier to install
- Air source heat pump set for maximum efficiency in new build or modernisation
- Mono block heat pump, with its variable speed compressors, ensures perfectly matched heating output and high flow temperatures all year round
- DHW cylinder and buffer cylinder with integral hydraulic components including heat pump manager for heat pumps and heating circuit connection in a single casing

Set-Components 1

Type	WPL-A 07 HK 230 Premium
Product set	ASHP 7.5kW Premium / 300 Premium Compact

Technical data

Energy efficiency class, heat pump W35 (A+++ → D)	A+++
Energy efficiency class, heat pump W55 (A+++ → D)	A+++
SCOP 35 °C (EN 14825)	4.88
Heating output at A7/W35 (EN 14511)	3.31 kW
Heating output at A2/W35 (EN 14511)	4.30 kW
Heating output at A-7/W35 (EN 14511)	6.87 kW
Max. cooling capacity at A35/W7	7.30 kW
Cooling capacity at A35/W18 partial load	4.94 kW
Max. cooling capacity at A35/W18	10.15 kW
COP at A7/W35 (EN 14511)	5.42
COP at A2/W35 (EN 14511)	4.30
COP at A-7/W35 (EN 14511)	2.93
Energy efficiency ratio at A35/W7 max.	2.35
Energy efficiency ratio at A35/W18 partial load	4.28
Energy efficiency ratio at A35/W18 max.	2.87
Sound power level (EN 12102)	48 dB(A)
Min./max. application limits for heat source	-25/40 °C

Max. application limit on the heating side	75 °C
Height	900 mm
Width	1270 mm
Depth	593 mm
Weight	135 kg
Rated voltage, compressor	230 V
Rated voltage, emergency/auxiliary heater	230 V
Refrigerant	R454C
Colour	white

Set-Components 2

Type	HSBC 300 cool (GB) Set
Product set	ASHP 7.5kW Premium / 300 Premium Compact

Technical data

Energy efficiency class (A+ → F)	B
Standby energy consumption/24 h at 65 °C	1.50 kWh
Nominal capacity, DHW cylinder	270 l
Nominal capacity, buffer cylinder	100 l
Surface area, heat exchanger	3.20 m²
Capacity, heat exchanger	21 l
Height	1918 mm
Width	680 mm
Depth	910 mm
Height when tilted	2123 mm
Weight	250 kg

Set-Components 3

Type	FET
Product set	ASHP 7.5kW Premium / 300 Premium Compact

Technical data

Width	145 mm
Height	96 mm
Depth	31 mm

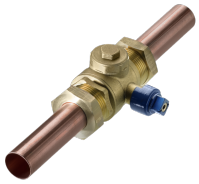
Set-Components 4

Type	ISG web
Product set	ASHP 7.5kW Premium / 300 Premium Compact

Technical data

Version	Wall mounting
10/100 Ethernet	RJ45
CAN	RJ45
RS232	RJ12
Width	158 mm
Height	95 mm
Depth	37 mm
Min./max. application range	0 / 60 °C

Set-Components 5



Type	FS-WP 28
Product set	ASHP 7.5kW Premium / 300 Premium Compact

Technical data

Connection	G 1 1/4 A / Cu 28 x 1.5

Further information about the Set components can be found under the relevant product.

Contact information

Do you have additional questions? Then please do not hesitate to contact us, we would be only too happy to help:
Call 0151 346 2300
Or send an e-mail to
sales@stiebel-eltron.co.uk

Only a qualified contractor should carry out the installation, commissioning, maintenance and repair of this appliance. Where applicable and prior to installation the electricity and/or water utility companies should be notified of your intention to install the product.