

# ASHP 14.8kW / 300 Pack

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 204913

The 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. Optional active cooling for warmer summer months. Our WPL 25 ACS air source heat pump is the most powerful heat pump in our range, making it suitable for retrofit properties that may have radiators or those with higher hot water demands. 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 remotely 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

Separate buffer cylinder for separation of flow rates for maximum operational reliability

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High hot water convenience due to separate DHW cylinder

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Air source heat pump set for maximum efficiency in new build or modernisation

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Mono block heat pump, with its variable speed compressors, ensures perfectly matched heating output and high flow temperatures all year round

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Optional active cooling by reversing the refrigerant cycle

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Stainless steel DHW cylinder is lightweight for easy installation

## Set-Components 1



Type	WPL 25 ACS
Product set	ASHP 14.8kW / 300 Pack

## 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)	4.53
Heating output at A7/W35 (EN 14511)	8.00 kW
Heating output at A2/W35 (EN 14511)	8.33 kW
Heating output at A-7/W35 (EN 14511)	12.86 kW
Max. cooling capacity at A35/W7	14.88 kW
Cooling capacity at A35/W18 partial load	6.76 kW
Max. cooling capacity at A35/W18	17.06 kW
COP at A7/W35 (EN 14511)	4.82
COP at A2/W35 (EN 14511)	4.14
COP at A-7/W35 (EN 14511)	2.98
Energy efficiency ratio at A35/W7 max.	2.38
Energy efficiency ratio at A35/W18 partial load	3.76
Energy efficiency ratio at A35/W18 max.	2.83
Sound power level (EN 12102)	55 dB(A)
Min./max. application limits for heat source	-20-40 °C
Max. application limit on the heating side	65 °C

Height	1045 mm
Width	1490 mm
Depth	593 mm
Weight	175 kg
Rated voltage, compressor	230 V
Rated voltage, emergency/auxiliary heater	230 V
Refrigerant	R410A

Set-Components **2**

Type	SBB 300 Trend
Product set	ASHP 14.8kW / 300 Pack

## Technical data

Energy efficiency class (A+ → F)	B
Nominal capacity	281 l
Surface area, heat exchanger, top	3.10 m <sup>2</sup>
Height	1750 mm
Diameter	595 mm
Height when tilted	1849 mm
Weight, empty	58 kg

Set-Components **3**

Type	SBP 100 classic
Product set	ASHP 14.8kW / 300 Pack

## Technical data

Energy efficiency class (A+ → F)	C
Standby energy consumption/24 h at 65 °C	1.20 kWh
Nominal capacity	100 l
Height	877 mm
Diameter	510 mm
Height when tilted	968 mm
Weight	21 kg

Set-Components **4**

Type	WPKI-HK DN 25
Product set	ASHP 14.8kW / 300 Pack

## Technical data

Connection, above	G 1
Connection, below	G 1 1/2 A
Circulation pump type	Wilo Para SC 25/6-43
Height	383 mm
Width	250 mm
Depth	213 mm
Energy Efficiency Index EEI	0.20
Delivery head	6.70 m
Max. flow rate	7.80 m <sup>3</sup> /h

Set-Components **5**

## Type

**WPM**

## Product set

ASHP 14.8kW /  
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## Technical data

Protection class	I
IP rating	IP21
Supply voltage	230 V
Width	310 mm
Height	400 mm
Depth	100 mm

## Set-Components **6**



Type

FET

Product set

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## Technical data

Width

145 mm

Height

96 mm

Depth

31 mm



## Set-Components **7**



Type	ISG web
Product set	ASHP 14.8kW / 300 Pack

## 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

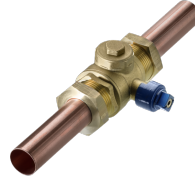
Set-Components **8**



Type	UP 25/7.5 PCV
Product set	ASHP 14.8kW / 300 Pack

## Technical data

Energy Efficiency Index EEI	0.20
Connection	G 1 1/2
Delivery head	8.40 m
Max. flow rate	4.00 m <sup>3</sup> /h
Power consumption	10-60 W
Rated voltage	230 V
Control via 0-10 V signal with IF module	-
Control via differential pressure	x
Control via PWM signal	x
Installation length (centre distance)	180 mm

Set-Components **9**

Type	FS-WP 28
Product set	ASHP 14.8kW / 300 Pack

## Technical data

Connection	G 1 1/4 A / Cu 28 x 1.5
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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](mailto: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.