Air source heat pumps

WPL 23 E

ORDER NO: 227758



Key features

- Air source heat pump for heating
- High heating output at low outside temperatures through enhanced vapour injection
- Higher COP through optimised refrigerant circuit
- Can be integrated into the home network and operated via a smartphone

Type	WPL 23 E ORDER NO: 227758
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Heating output

Heating output at A10/W35 (EN 14511)	18.50 kW
Heating output at A7/W35 (EN 14511)	16.56 kW
Heating output at A2/W35 (EN 14511)	15.73 kW
Heating output at A-7/W35 (EN 14511)	13.21 kW
Heating output at A-7/W55 (EN 14511)	14.63 kW
Heating output in max. reduced night mode A-7/W35	12.55 kW

Power consumption

Power consumption at A10/W35 (EN 14511)	4.15 kW
Power consumption at A7/W35 (EN 14511)	4.15 kW
Power consumption at A2/W35 (EN 14511)	4.35 kW
Power consumption at A-7/W35 (EN 14511)	4.21 kW
Power consumption at A-7/W55 (EN 14511)	6.59 kW

Coefficients of performance

COP at A10/W35 (EN 14511)	4.40
COP at A7/W35 (EN 14511)	3.99
COP at A2/W35 (EN 14511)	3.62
COP at A-7/W35 (EN 14511)	3.14

COP at A-7/W55 (EN 14511)	2.22

Electrical data

Power factor cos(phi)	0.95
Rated voltage, compressor	400 V
Rated voltage, emergency/auxiliary heater	400 V
Rated voltage, control unit	230 V
Phases, compressor	3/N/PE
Phases, emergency/auxiliary heater	3/N/PE
Phases, control unit	1/N/PE
Frequency	50 Hz
Compressor fuse protection	3 x C 16 A
Emergency/auxiliary heater fuse protection	3 x B 16 A
Control unit fuse protection	1 x B 16 A
Power consumption, emergency/auxiliary heater	8.80 kW
Max. power consumption excl. emergency/auxiliary heater	7.60 kW
Starting current (with/without starting current limiter)	30/- A

Energy data

SCOP 35 °C (EN 14825)	3.775

Sound emissions

Sound power level (EN 12102)	65 dB(A)
Sound power level, outdoor installation (EN 12102)	65 dB(A)

Application limits

Min. application limit, heat source	-20 °C
Max. application limit, heat source	40 °C
Min. application limit on heating side	15 °C
Max. application limit on the heating side	60 °C

Dimensions

Height	1116 mm
Width	784 mm
Depth	1182 mm

Weights

Weight	211 kg

Hydraulic data

Min. flow rate, heating	1.40 m³/h
Internal pressure differential	200 hPa

Versions

Refrigerant	R407C
Refrigerant charge	3.4 kg
Global warming potential of the refrigerant (GWP100)	1,774

CO2 equivalent (CO2e)	6.03 t
IP rating	IP14B
Defrost type	Circuit reversal
Frost protection	•
Condenser material	1.4401/Cu
Flow/return connection	G 1 1/4 A

Connections

Connection, heating flow/return	G 1 1/4"

Values

Flow rate on heat source side	3500 m³/h

STIEBEL ELTRON

Contact information

You have questions? We appreciate to help you:

Call **+27 10 001 85 47** Write an email to **info@stiebel-eltron.co.za**

Installation information

Please ask your local power supply utility or a registered electrician to install appliances that are not fully wired, i.e. ready to plug in. The electrician should also be able to assist you with obtaining the agreement of the respective power supply utility required for the appliance installation.

Website

www.stiebel-eltron.co.za