Integral cylinder

HSBC 300 cool

ORDER NO: 203801



Key features

- The integral cylinder for DHW heating is combined with a heating heat pump and integrated into the heating system.
- Space saving positioning thanks to integration of DHW cylinder, buffer cylinder and hydraulic working parts into a single appliance
- Large area heat exchanger for high DHW demand
- Can be used for cooling via area heating system or fan coil units (condensation resistance)
- The integral WPM heat pump manager makes the system easier to install



Type	HSBC 300 cool ORDER NO: 203801
Order No	203801

Energy data

Standby losses S	61 W
Standby energy consumption/24 h at 65 °C	1.50 kWh

Hydraulic data

Cylinder volume V	291 l
Nominal capacity, DHW cylinder	270 l
Nominal capacity, buffer cylinder	100 l
Surface area, heat exchanger	3.20 m²
Capacity, heat exchanger	21 l
External available pressure differential, circulation pump, heating circuit 1 at 1.0 m³/h	725 hPa
External available pressure differential, circulation pump, heating circuit 1 at 1.5 m³/h	663 hPa
External available pressure differential, circulation pump, heating circuit 1 at 2.0 m³/h	444 hPa
External available pressure differential, circulation pump, heat pump at 1.0 m³/h	656 hPa
External available pressure differential, circulation pump, heat pump at 1.5 m³/h	527 hPa
External available pressure differential, circulation pump, heat pump at 2.0 m³/h	210 hPa
External available pressure differential, circulation pump, heating circuit 2 (optional) at 1.0 m³/h	665 hPa

External available pressure differential, circulation pump, heating circuit 2 (optional) at 1.5 m³/h	518 hPa
External available pressure differential, circulation pump, heating circuit 2 (optional) at 2.0 m³/h	189 hPa

Application limits

Max. permissible temperature, primary side	75 °C
Max. permissible pressure, DHW cylinder	1.00 MPa
Test pressure, DHW cylinder	1.50 MPa
Max. permissible pressure, buffer cylinder	0.30 MPa
Test pressure, buffer cylinder	0.45 MPa
Max. permissible temperature	85 °C
Max. flow rate	25 l/min

Electrical data

Rated voltage, control unit	230 V
Control unit fuse protection	1 x B 16 A
Phases, control unit	1/N/PE
Frequency	50 Hz

Power consumption

Max. power consumption, charging pump	60 W
Max. power consumption, circulation pump, heating side	60 W

Versions

IP rating	IP20

Dimensions

Height	1918 mm
Width	686 mm
Depth	926 mm
Height when tilted	2123 mm
Maximum height for installation	2000 m

Weights

Weight, full	641 kg
Weight, empty	250 kg
Weight of top section	176 kg
Weight of bottom section	56 kg

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