

Technical Data LHX 20

Cooling capacity

Usable cooling capacity, 12 kW
measured at cooling water inlet temperature 15° C,
outlet air temperature 25°C

Adjustment range 18 ... 30 °C (adjustable in 0.1 °C increments)
Max. offset ± 2 K

Water circuit

Cooling medium ¹⁾ Water
Water inlet temperature ²⁾ 7 ... 15 °C
Water circulation volume 1,55 m³/h
Static pressure loss at 1,55 m³/h 0,5 bar
Water conduit Copper

Air circuit

Airflow volume 3000 m³/h

Electrical Data AC

Supply voltage 1-phase 230 V_{AC} (50/60 Hz)
Max. current consumption 4,3 A
Max. power consumption 700 W
Apparent power at full load 990 VA
Protection fuse 10 A

Electrical Data DC

Supply voltage 48 V_{DC}
Max. current consumption 13 A
Max. power consumption 624 W
Protection fuse 16 A

Interface

RS 485 / ST-Bus (RJ 45) Temperature and humidity limit, fan delay, set point,/ connection
possibility for external display and digital display
RS 232 (SUB-D 9-pole) Status message, ASCII protocol
Digital in- / output (SUB-D 25-pole) External On/Off, alarm output and warning messages

General Data

Protection type IP 20
Ambient temperature during transport -25 ... 70 °C
Relative humidity 5 ... 95 %
Weight 78,5 kg (82 kg with water)

1) The VGB guidelines have to be followed for efficient operation of the air / water heat exchanger (VGB-R 455 P).

2) The control accuracy cannot be guaranteed for water inlet temperature of < 7 °C and > 15 °C.
Furthermore we advise the risk of condensation if the water temperature falls below.

Responsible for contents and print
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