Huber LCS 80

Chiller with air-cooled refrigerating unit and circulation pump (stainless steel). Housing, atmospheric open tank and copper soldered evaporator made of stainless steel. With digital level indicator. Condenser for outdoor operation in air-cooled design, performance-optimized by a built-in high-efficiency fan motor. Powerful feed pump with integrated overtemperature protection. The flow rate can be adjusted via the manual bypass valve on inside of the chiller.

Control unit B400 / RB400:
Remote Control unit capacitive operating interface with OLED display and multi-coloured status notification for instant identification of the current operating status. Choice of eight different system languages (DE, EN, ES, FR, IT, PT, RU, TR). Separate operating option for the feed pump and the cooling unit with convenient adjustment of the desired setpoint. Operating of the system can be evaluated on a PC or notebook via an integrated RS232 interface.

Technical data according to DIN 12876

Operating temperature range	-45...+15 °C
Temperature stability at -40°C	±2.0 K
temperature set point / display	colour LED Touchscreen
Internal temperature sensor	Pt100
Interface digital	RS232
Safety classification	Class I / NFL
Remote Controller	20m length of remote cable
Ambient temperature	+35°C +40°C
Cooling power	
at+15°C	20 kW
at -15°C	20 kW
at -20°C	18 kW
at -25°C	16 kW
at -30°C	12 kW
at -40°C	8,5 kW 8 kW
Refrigeration machine	air-cooled, CFC- and HCFC-free
Refrigerant	R449A
Refrigerant quantity	16 kg
Gas warning sensor	without
Pressure pump	
max. delivery	53 l/min
max. delivery pressure	4,7 bar
Pump connection	G 1" male
Bath volume min.	40 l
Bath volume fill level advance warning	75 l
Bath volume max.	105 l
sound pressure level +/- 4 dB(A)	77 dB(A)
Overall dimensions WxDxH **	2015x1100x2000 mm

Order-No.: VDH32100163

Net weight	880 kg
Power supply requirement	460V 3~ 60Hz
max. current	50 A
Fuse on power network side	3x 60 A
Degree of Protection	IP54
max. ambient temperature	+50 °C
min. ambient temperature	-20 °C

from Serial-No.: **1768 21** **1.1/21**

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

Accessories and periphery: 2pcs Hose nozzles Ø25mm*, bath cover*, Bypass valve*, remote control*, drain valve, thermofluid, RS232 cable
* standard accessories

Output data valid for: Room temperature 20°C to 50°C. If the ambient temperature rises, the cooling capacity may drop.

Special for Outdoor:

- 100% of rated cooling power up to +35°C ambient temperature
- Reduction of cooling power above +35°C ambient temperature
- Suitable for outside mounting and winter operation (min. ambient temperature -20°C)
- Delivered with remote control with 20m cable
- Protection classification of the electrical components IP54
- Max. ambient temperature +50°C

In accordance with EN60034-1 the following voltage and frequency tolerances are valid:
Voltage + / - 5% with a simultaneous frequency tolerance of + / - 2%
Example: 5% voltage and +2% frequency -> not allowed! -
5% voltage and - 2% frequency -> allowed

Information to Electromagnetic compatibility:
Classification (disturbance) to EN55011: Class A, Group 1

Recommended thermofluid: Temper -55 (Potassium Formate Heat Transfer Fluid)

Standard delivery conditions - Power cable configuration:

1. Single-phase devices (115V) -> with cable and plug
2. Two-phase devices (208V) -> with cable, without plug
3. Three-phase devices (208V/460V) with current consumption less than 63A -> with cable, without plug
4. Three-phase devices (208V/460V) with current consumption greater than 63A -> with cable, without plug

** Please respect space requirements. See operating conditions at **www.huber-online.com**