

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 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 the backside of the chiller.

**Control unit B400 / RB400:**

Capacitive operating interface with OLED display and multi-colored 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	-20...+15 °C
Temperature stability at -10°C	±1.5 K
temperature set point / display	color LED Touchscreen
Internal temperature sensor	Pt100
Interface digital	RS232
Safety classification	Class I / NFL
Cooling power	
at +15°C	28 kW
at +10°C	20 kW
at ±0°C	18 kW
at -10°C	15 kW
at -20°C	9,5 kW
Refrigeration machine	air-cooled, CFC- and HCFC-free
Refrigerant	R449A
Refrigerant quantity	12 kg
Gas warning sensor	without
Pressure pump	
max. delivery	105 l/min
max. delivery pressure	4,7 bar
Pump connection	G 1" male
Bath volume min.	225 l
Bath volume max.	245 l
sound pressure level +/- 4 dB(A)	78 dB(A)
Overall dimensions WxDxH **	1400x1000x1800 mm
Net weight	510 kg
Power supply requirement	400V 3~ 50Hz
max. current	23 A
Fuse on power network side	3x 30 A
Degree of Protection	IP52
min. ambient temperature	+5 °C
max. ambient temperature	+32 °C



**Order-No.: 1-101105**

**from Serial-No.:** -----

**1.0/20**

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\*, overpressure. Bypass valve, Bypass valve\*, drain valve, thermofluid, RS232 cable

\* standard accessories

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

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: Water - Monoethylene Glycol 50:50

Standard delivery conditions - Power cable configuration:

1. Single-phase devices (230V) -> with cable and plug

2. Three-phase devices (400V) with current consumption less than 125A -> with cable, without plug

3. Three-phase devices (400V) with current consumption greater than 125A -> with cable, without plug

\*\* Please respect space requirements. See operating conditions at [www.vdh-online.com](http://www.vdh-online.com)