

Chiller with air-cooled refrigerating unit and circulation pump. Evaporator (cooler), tank and housing of stainless steel. Pressure-suction pump made of industrial plastic material. Digital Temperature adjustment and digital temperature display. Level indicator with sight glass.

NEW: OLÉ controller:

OLÉ combines state-of-the-art technology with simple operation. Models with OLÉ controller are suitable for routine tasks in research and industry and are convincing as practice oriented basic equipment:

- \* Large, bright OLED display
- \* Simple operation with menu navigation
- \* Simultaneous display of set point, internal temperature, Tmin and Tmax
- \* USB (Device) and RS232 interfaces
- \* Autostart function for power failure

Option: Pt100 sensor connection #10519 to display (not control) e.g. of the process temperature (only available factory fitted, additional charge)

3-2-2 warranty - registration required.

Special equipment:

- stainless steel case with feet (front) and rollers (rear)
- switch for whisper mode

pump data at whisper mode:

delivery:	14 l/min
delivery pressure:	0,2 bar
delivery (suction):	11 l/min
delivery pressure (suction):	0,18 bar
sound pressure level:	51 dB(A)

## Technical data according to DIN 12876

Operating temperature range	-20...40 °C
temperature set point / display	digital
Internal temperature sensor	Pt100
Resolution of display	0,1 K
Temperature stability at -10°C	0,5 K
Alarm message	optic, acoustic
Safety classification	Class I / NFL
Cooling power	
at 15°C	0,6 kW
at 0°C	0,5 kW
at -10°C	0,35 kW
at -20°C	0,15 kW
Refrigeration machine	air-cooled, natural refrigerant
Refrigerant (ASHRAE, GHS)	R290 (A3, H220)
Refrigerant quantity	0,085 kg
Gas warning sensor	without
Circulation pump	Pressure- and suction pump
max. delivery	24 l/min
max. delivery pressure	0,7 bar
max. delivery (suction)	18 l/min
max. delivery pressure (suction)	0,4 bar
Pump connection	M16x1 male
min. filling capacity	2,8 l
expansion tank	2,2 l
Overall dimensions WxDxH **	280x490x424 mm
Net weight	37 kg
sound pressure level +/- 4 dB(A)	63 dB(A)
Power supply requirement	208-240V 1~/2~ 50/60Hz
max. current	4 A



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min. Fuse	10A
max. Fuse	16A
Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C

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**from Serial-No.:** **392715** **1.1/20**

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

Included Accessories:

hose connector NW12 #6087, sleeve nuts thread M16x1#6089, blank plug #6088, cover expansion vessel #25178,

Optional accessories:

Drain valve #6839, temperature control / -connection hoses, thermofluids, further accessories, etc.: see catalog.

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

Special Case: Acetone and Polyglycol: The plastic pump is not resistant against acetone and polyglycols (depending on the manufacturer).

It is recommended that water is mixed with either glysantine or ethylene glycol for freeze protection. A more resistant plastic is available on request at an additional cost.

Standard delivery conditions - Power cable configuration:

1. Single / two-phase devices (100V to 240V) --> with power cable and country-specific plug (please specify when ordering)
2. Three-phase devices with current consumption less than 63A --> with cable, without plug
3. Three-phase devices with current consumption greater than 63A --> without cable, without plug

This equipment is compliant to US-SNAP and all applicable EU laws. The US-SNAP end-use for this equipment is the industrial process refrigeration. Certification by a Notified Body upon request.

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

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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

