



Product Features

- for cooling the KHS CoolFlow cold water cooler
- air-cooled chiller in compact design for outdoor installation for energy-efficient operation of the KHS CoolFlow cold water circulation
- weatherproof base frame with removable cladding panels made of powder-coated steel, colour similar to RAL 9010
- with infinitely variable cooling control
- modern EC fans and integrated fan control to reduce operating costs and optimally adjust the fan speed to the actual ambient conditions
- infinitely variable speed regulation through thermal low-noise fan control for particularly low noise emissions
- standard operating limits from -15°C to $+45^{\circ}\text{C}$
- fully hermetic, vibration-damped rotating-piston inverter compressor for infinitely variable adjustment of the compressor frequency, with refrigerator oil filling
- refrigerant circuit made of refrigerant copper pipe, hermetically sealed and pressure tested at the factory, dried and filled with R410A safety refrigerant
- controllable via Schrader valve
- High- and low-pressure control device, filter dryer and electronic expansion valve to increase energy efficiency and improve control quality
- evaporator as refrigerant-water heat exchanger as tube bundle heat exchanger, vapour-diffusion-tight insulation, return temperature range from $+10^{\circ}\text{C}$ to $+20^{\circ}\text{C}$
- insulated medium circuit with manual bleeder valve, differential pressure monitor for monitoring the volume flow, and speed-controlled circulation pump according to the specifications of the Ecodesign Directive
- medium connections in solid design with one-inch female pipe thread
- internal control box with terminal strip for mains power supply, contact for external release and potential-free contact for collective fault signal
- completely wired and tested main and control circuit with transformer, control fuses to protect the device's PCB
- automatic restart after power failure
- modern touch controller in IP54 splash-proof body for operating the device and setting further operating parameters
- RS485 Modbus interface as standard
- clear display of medium inlet and outlet temperature as well as function display of fan, compressor, required maintenance interval and elementary faults, such as high/low and differential pressure
- coded fault messages and display of all operation-relevant control parameters with password-protected access
- compliance with all requirements of the Ecodesign Directive (EU) 2016/2281 (LOT 21) through optimized heat exchanger surfaces, use of high-efficiency components and optimisation of operationally relevant system parameters
- *air inlet temperature 35°C dry bulb, medium temperatures 7/12 $^{\circ}\text{C}$, 0% glycol concentration

Technical data

- protection class IPX4
- power supply 230 V AC
- Sound pressure level (distance 10 m free field) 37.3 dB(A)
- sound power level 68.5 dB(A)
- adjustment range, return temperature $+10$ to $+20^{\circ}\text{C}$
- operating range -15 to $+45^{\circ}\text{C}$
- max. air volume flow 3900 m^3/h

Part no.	Cooling capacity (kW)	SEER	A1	H1 (mm)	H2 (mm)	H3 (mm)	L1 (mm)	L2 (mm)	T1 (mm)	T2 (mm)	T3 (mm)	T4 (mm)	Room cooling annual utilisation factor (%)
6180100100	4.7* (1.6-5.6)	4.57	G 1	790	98	312	1008	750	490	463	102	102	152
6180100200	7.6* (2.0-10.0)	5.51	G 1	910	98	380	953	700	470	445	80	114	170

Part no.	max. electrical power consumption (A)	adjustment range, return temperature [°C]	refrigerant	Refrigerant, basic quantity (kg)	sound pressure level (distance 10m free field)
6180100100	9.2	+10 to +20	R410A	2.5	37.3
6180100200	18.0	+10 to +20	R410A	2.4	37.3

Part no.	CO2 equivalent (t)	sound power level	Nominal power consumption (kW)	Nominal current consumption (A)	Nominal flow rate, medium (m³/h)	Weight (kg)
6180100100	5.22	68.5	1.3	5.6	1.0	120.00
6180100200	5.01	68.5	2.3	10.4	1.6	120.00

Accessories

- Connection-set, figure 619 01 001
- Vibration damper set for chiller, figure 619 02 000