



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°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°C to +20°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 °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 °C
- operating range -15 to +45 °C
- max. air volume flow 3900 m³/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 (%)	max. electrical power consumption (A)
6180100100	4.7* (1.6-5.6)	4.57	G 1	790	98	312	1008	750	490	463	102	102	152	9.2
6180100200	7.6* (2.0-10.0)	5.51	G 1	910	98	380	953	700	470	445	80	114	170	18.0

Part no.	adjustment range, return temperature [°C]	refrigerant	Refrigerant, basic quantity (kg)	sound pressure level (distance 10m free field)	CO2 equivalent (t)	sound power level	Nominal power consumption (kW)	Nominal current consumption (A)	Nominal flow rate, medium (m³/h)	kg
6180100100	+10 to +20	R410A	2,5	37,3	5,22	68,5	1,3	5,6	1,0	120,00
6180100200	+10 to +20	R410A	2,4	37,3	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