KÜHLMOBIL 16kW to 38.5kW

Powerful workhorse

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A range of more powerful cooling units, these models of cooling unit are also mobile units with plug-in connections. For reducing the operating cycles per hour the tank size is 225 or 250 litres. The containers are easy to fill thanks to the large screw cover filling holes on the top of each cooling unit. Evaporation rates are very low.
Since the heat emitted from units of this size can be very considerable (warming of more than 40% to the surrounding area), these units are frequently installed outside, in technical areas or even in large fields. The amortisation times are relatively short since the KÜHLMOBIL saves significant amounts of water per year.

Rear View. This application shows a version with a manual bypass. Automatic bypass is available as an option. In applications where the water flow is on/off via magnetic valves, the automatic bypass will open when the application valve is closed and water will flow in a short circuit, avoiding pump damage and limiting the maximum pressure. The required opening pressure can be factory set for you, however, easy access into the unit allows for the user to make adjustments for higher or lower pressure easily.

All the variants are also possible on these versions.

The chiller can be supplied as an air or water cooled version. Other temperature ranges and pumps are available. Many other options and accessories are available, please see the accessories and options section.

Application examples

- Large size water bath cooling
- Packaging machinery
- Sputtering systems
- X-ray fluorescence spectrometer
- X-ray generators
- Form presses
- Instrument cooling
- Primary cooling

Features and advantages

- 100% water savings in tap water
- No sewage costs for waste water
- Cooling water temperature, pressure and flow can be regulated
- Constant water quality, no limescale, no algae
- 225 or 250 litre tank to extend the running times
- Temperature display in O-LED capacitive touch pad controller
- Lockable Castors
- Acoustic and text description alarm Display
- Ambient temperature up to 32°C
- Available with higher pump pressure and many different options and accessories
- Power regulation by microprocessor controlled proportional regulator, this means high temperature stability of water pre-run temperature optional (0.1 K/°C)

Technical data

Technical data	KÜHLMOBIL 16kW	KÜHLMOBIL 18kW	KÜHLMOBIL 20kW	KÜHLMOBIL 23.8kW
Model and part no. (air cooled version)	543-A-B400 1-100032	544-A-B400 1-100033	549-A-B400 1-100439	615-A-B400 1-100035
Model and part no. (water cooled version)	543-W-B400 2-100300	544-W-B400 2-100301	549-W-B400 2-100302	615-W-B400 2-100303
Temperature range	16-22° C	16-22° C	16-22° C	16-22° C
Cooling power @ 20°C	16000 watt	18000 watt	20000 watt	23800 watt
Pump capacity max. 5.6 bar pump	100 l/min.	100 l/min.	100 l/min.	100 l/min.

Technical data	KÜHLMOBIL 16kW	KÜHLMOBIL 18kW	KÜHLMOBIL 20kW	KÜHLMOBIL 23.8kW
Dimensions W x D x H	980 x 820 x 1770 mm	1400 x 1000 x 1800 mm	1400 x 1000 x 1800 mm	1400 x 1000 x 1800 mm
Current	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH
Weight	337 kg	337 kg	420 kg	425 kg
Refrigerant	R449A	R449A	R449A	R449A

Technical Data

Technical Data	KÜHLMOBIL 28.5kW	KÜHLMOBIL 32kW	KÜHLMOBIL 38.5kW
Model and part no. (air cooled version)	626-A-B400 1-100036	627-A-B400 1-100037	634-A-B400 1-100288
Model and part no. (water cooled version)	626-W-B400 2-100304	627-W-B400 2-100305	634-W-B400 2-100306
Temperature range	16-22° C	16-22° C	16-22° C
Cooling power @ 20°C	28500 watt	32000 watt	38500 watt
Pump capacity max. 5.6 bar pump	100 l/min.	100 l/min.	100 l/min.
Dimensions W x D x H	1400 x 1000 x 1800 mm	1400 x 1000 x 1800 mm	1400 x 1000 x 1800 mm
Current	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH	400 V/50 Hz/3 PH
Weight	437 kg	450 kg	476 kg
Refrigerant	R449A	R449A	R449A

Product request

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