

KÜHLMOBIL 7kW to 14.5kW

Powerful workhorse



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 200 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. More powerful aircooled KÜHLMOBIL units are available up to 45kW, please enquire

The chiller can be supplied as an air or water cooled version. Other temperature ranges 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
- 200 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 7kW	KÜHLMOBIL 7.7kW	KÜHLMOBIL 8.3kW	KÜHLMOBIL 9.5kW
Model and part no. (air cooled version)	423-A-B400 1-100024	424-A-B400 1-100025	433-A-B400 1-100026	442-A-B400 1-100379
Model and part no. (water cooled version)	423-W-B400 2-100292	424-W-B400 2-100293	433-W-B400 2-100294	442-W-B400 2-100295
Temperature range	16-22° C	16-22° C	16-22° C	16-22° C
Cooling power @ 20°C	7000 watt	7700 watt	8300 watt	9500 watt
Pump capacity max. 5.5 bar pump	66 l/min.	66 l/min.	66 l/min.	66 l/min.
Dimensions W x D x H	800 x 850 x 1665 mm	800 x 850 x 1665 mm	800 x 850 x 1665 mm	800 x 850 x 1665 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	223 kg	247 kg	252 kg	264 kg

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Refrigerant	R134a	R134a	R134a	R134a

Technical Data

Technical Data	KÜHLMOBIL 10kW	KÜHLMOBIL 11.5kW	KÜHLMOBIL 12.5kW	KÜHLMOBIL 14.5kW
Model and part no. (air cooled version)	512-A-B400 1-100405	513-A-B400 1-100243	531-A-B400 1-100433	534-A-B400 1-100031
Model and part no. (water cooled version)	512-W-B400 2-100296	513-W-B400 2-100297	531-W-B400 2-100298	534-W-B400 2-100299
Temperature range	16-22° C	16-22° C	16-22° C	16-22° C
Cooling power @ 20°C	10000 watt	11500 watt	12500 watt	14500 watt
Pump capacity max. 5.5 bar pump	66 l/min.	66 l/min.	66 l/min.	66 l/min.
Dimensions W x D x H	800 x 850 x 1665 mm	800 x 850 x 1665 mm	800 x 850 x 1665 mm	800 x 850 x 1665 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	267 kg	267 kg	270 kg	275 kg
Refrigerant	R404a	R404a	R404a	R404a