

## Rental Cooling ARCTOS Mobile Cooling Systems

**ARCTOS Industrial Cooling AG produces cooling for renovations, refurbishments, and production peaks.**

When cooling is needed quickly or for a limited time, ARCTOS offers a flexible solution with its mobile cooling systems.

The mobile cooling systems are used across all industries served by ARCTOS, from the food industry to ground freezing and the chemical industry.



The mobile cooling systems can be installed and operated on-site by ARCTOS at short notice, including transport, setup, filling, commissioning, and, if necessary, maintenance.

All that remains for you is to provide the electrical power and, of course, to utilize the cooling.

If available, cooling production can begin at your site within three days.

An NH<sub>3</sub> absorption unit ABSL175 can optionally be retrofitted and is suitable for capturing the refrigerant in emergency situations.

Some mobile cooling systems are equipped with titanium plate heat exchangers, allowing operation with CaCl<sub>2</sub> or other aggressive media as cooling carriers.

Thanks to the ability to use various cooling carriers and the high mobility provided by the 30' container, there are virtually no limits to their application.

## TECHNICAL DATA

<b>Kältemittel</b>	NH <sub>3</sub> (R717)
<b>Refrigerant Quantity</b>	150 kg
<b>NH<sub>3</sub> Evaporation Temperature</b>	between +3° C and -35° C
<b>NH<sub>3</sub> Condensation Temperature</b>	between +20° C and +47° C
<b>Cooling Capacity Q<sub>0</sub></b>	Dependent on cooling carrier and temperature, between 120 kW and 500 kW
<b>Compressor Manufacturer</b>	GEA-Grasso
<b>Compressor Type</b>	open screw compressor
<b>Drive Power P<sub>e</sub></b>	max. 135 kW (t <sub>c</sub> = +47° C)
<b>Cooling Carrier</b>	H <sub>2</sub> O or ethylene/propylene glycol, CaCl <sub>2</sub> , others on request
<b>Water or Brine Inlet t<sub>s1</sub></b>	dependent on cooling carrier, between +12° C and -30° C
<b>Water or Brine Outlet t<sub>s2</sub></b>	dependent on cooling carrier, between +6° C and -33° C
<b>Cooling Medium</b>	Air (max. 34° C)
<b>Container</b>	30' custom container
<b>Weight</b>	12,000 kg (without media filling)
<b>Dimensions</b>	9.5 x 2.7 x 3.2 m (LxWxH)



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**Do you have any questions or comments? We are happy to assist you:**

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