



Emergency deployment of a 500 kW chiller unit at the Max-Planck Institute in Martinsried near Munich



Solution: conversion
of refrigeration systems



Emergency deployment of a mobile chiller unit at the Max-Planck Institute in Martinsried near Munich

July 2012: Failure of an in-house chiller unit at the Max-Planck Institute in Martinsried near Munich. A few hours after the call to Head Office, Michael Waldmann, Hotmobil's expert on cooling systems, arrived in Martinsried to conduct a needs analysis.

At this meeting, the location for the 500 kW mobile chiller unit was determined straightaway. That meant that, just two working days later, it was possible to supply the mobile chiller unit, and Gerald Nehmert the head of Technical Operations and his team were able to deal with the core bores needed for the flange connections. Michael Waldmann reserved a chiller unit as well as the flexible and pressure-resistant connecting flanges needed, booked the transport company and organized for a special crane to be on site on the day of delivery.

On the day of delivery, two further technicians were on site to carry out the installation work and to handle the commissioning report procedure. Once they had ensured a problem-free start-up, ongoing monitoring was handed over to the technical team at the Max-Planck Institute. If this in-house monitoring had not been possible, the unit rental company would have been able to perform this task remotely. Finally, Gerald Nehmert had this to say about the deployment: „Hotmobil has proven to be a dependable and a fair partner. Their rapid response to our enquiry, the high level of commitment shown by its employees and the tackling of all measures up to the commissioning of the unit were exemplary. That also includes their ‚billing by the day‘ final invoicing procedure“.



Typ	MKZ 500
Cooling output	520 kW
Refrigerant	R134A Frigen
Compressor	2 screws
Water connections	Bauer 4" Inch
Electrical power consumption	240 kW
Current consumption	431 A
Power supply	400V / 50Hz / 3 +/- 5 % Ph
Electrical connection	Terminal board M10
Sound pressure level at 10 m	66 db (A)
Water volume	95 m ³ /h
Max. permissible system pressure	6 bar
L x W x H with transport frame	4,200 x 2,450 x 2,370 mm
Transport/operating weight	4,590 / 4,890 kg

Subject of technical changes - only for information

Hotmobil Germany GmbH - Performance Profile:

- Hire, Sale or Lease from Power stations for mobile production of hot water, hot water and steam, Refrigeration and Air Conditioning
- 24-hour hotline
- 10 locations in Germany
- Energy guarantee for individual emergency solution within a 6-hour response time

HOTMOBIL DEUTSCHLAND GMBH | Industriepark 322 | D-78244 Gottmadingen
 Hotline: 0800 880 80 81 | Telephone +49.77 31.94 60-200 | Telefax +49.77 31.94 60-299
 anfrage@hotmobil.de | www.hotmobil.com