



Turnkey solution for air conditioning for marquees at the Eurobike trade fair in Friedrichshafen



Solution:
event-based air-conditioning



Mobile refrigeration and distribution of chilled air at the Eurobike trade fair in Friedrichshafen

August 2012: Shortly before the trade fair opened its doors to the public, the stationary refrigeration unit for the air-conditioning broke down. The repairs required were so extensive that it would not have been possible to complete them in time for the start of the trade fair. Given the summery ambient temperatures, air-conditioning had to be provided because the Press Center had to be suitable for journalists from the international cycle sport press and sports reporters from ARD (German TV) to report on the innovations at Eurobike. Through the use of a mobile 265 kW cold water unit, it proved to be no problem whatsoever to deliver the refrigeration capability required. Having said that, the true solution to the problem lay in the connection to the refrigeration system inside the building: the Technical Center is located between two of the trade fair buildings under the roof of a complex that is surrounded by other interlinked structures. That meant that to connect the mobile chiller

unit to the venue pipework, everything had to be routed over the flat roof. To accomplish this, the Service technicians from Hotmobil laid 80 meters of DN 100 pressure lines across the flat roof. Prior to this, specialist contractors had prepared the groundwork by welding transitional connectors into the refrigeration distribution system and had also drilled two holes through the external wall of the Technical Center. A powerful circulating pump from the Hotmobil product range conveyed the cold water for the air-conditioning from the mobile chiller unit to the connection with the pipework system inside the building. „With the mobile chiller unit, we were able to ensure that press conferences and events in the VIP areas were able to enjoy comfortable temperatures despite the plant failure“, reflected Christian Raidler from the Technical/Service Energy Management department at Friedrichshafen’s ‚IBO‘ trade fair center.



Typ	MKZ 265
Cooling output	214 kW
Refrigerant	R134A Frigen
Compressor	Screw
Water connections	Bauer 4 Inch
Electrical power consumption	125 kW
Current consumption	224 A
Power supply	400V / 50Hz / 3 +/- 5 % Ph
Electrical connection	Terminal board M10
Sound pressure level at 10 m	63 db (A)
Water volume	63 m ³ /h
Max. permissible system pressure	6 bar
L x W x H with transport frame	3,100 x 2,450 x 2,370 mm
Transport/operating weight	3,320 / 3,470 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