

Transtherm Cooling Industries Limited Air Blast Cooler



Stock No	CE660
Manufacturer	Transtherm Cooling Industries Limited
Model	TD90W/HB-225
Year of Manufacture	06/2018
Serial	C55349A
Condition	From a working environment, Excellent Condition, Current Model
Ave. cooling capacity	177kW
Ave. Water Flow Rate	9.05L/Sec
Other Info	Variable speed Controlled
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	1711Kg (operating) 1411 (empty)
External Dimensions (WxDxH mm)	2700 x 4500 x 2000mm

Description

The Transtherm Air Blast Cooler system uses a dry air cooler with a 3-way valve to divert and cool the process fluid in a conventional chiller system.

Free Cooling Systems

Designed to improve the efficiency of energy hungry chilled water systems, free coolers automatically dissipate the

system heat when ambient air temperatures are low enough. Operating through the majority of autumn, winter and spring, they allow the chiller to switch off for up to 90% of the year. These systems arrive fully packaged, complete with integral controls, 3 way valve, actuator and bypass pipework; which means they can be easily installed on existing systems.

One of the greatest advantages of free cooler units results from utilising lower power consuming coolers during lower ambient conditions, as listed below:

- Lower plant running costs
- Lower carbon footprint of facility
- Far higher coefficient of performance circa: <18 COP <40
- Large savings ascertained over time
- R.O.I. often within 6~9 months (when NEW - faster for used machinery)
- Prolonged Chiller lifetime from reduction in use with possible positive effects on servicing

Features

- Energy efficient speed controlled fans.
- IP65 'Plug and Play' Controls.
- Individual overloads per fan.
- Control lamps and volt free contacts.
- Robust galvanized framework and mounting wheels.
- Lifting eyes.

Technical Specification

- Cooling medium - Water
- Glycol anti freeze - 0%
- Average Cooling medium flow rate - 7.66 l/s
- Heat rejection - 177kW
- Flow water temperature - 14°C
- Return water temperature - 19°C
- Maximum design air temperature - 9°C
- Outlet air temperature - 14°C
- Air side flow rate - 24.88sm³/s
- Internal coil volume 117Litres

Energy Efficient

The current range of Cool Energy equipment offers market leading efficiencies by utilising the most efficient AC and EC fans accompanied by a range of heat exchanger tube geometry and fin options.

Complete Reliability

Whilst some suppliers focus solely on capital cost (often with the aim of only satisfying the requirements of a rather short 1 year warranty term), Transtherm Cooling have an inherent belief that equipment should be designed to last long after



the market leading 3 year warranty term, giving their customers the best possible return on investment.

Fully Supported by OEMs

[Transtherm Cooling](#) has offered advice and spares for their Air Blast Cooler.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.