



C.U.I. RO15564229, Nr. Inreg. R.C. J10/558/2003
 Sediul social: BERCA, str. Plesești, jud. BUZAU
 Capital social subscris și varsat: 400 LEI
 Cont IBAN: RO09 BRDE 100S V041 6457 1000
 Deschis la BRD sucursala Berca

Telefon: +4 0238 510 851
 Fax: +4 0338 819 339
 Mobil: +4 0746 043 026
 E-mail: contact@bibiscom.ro
 Web site: www.bibiscom.ro

BOE-THERM DTE 1,0 - 4,9 KW



CoolMaster®
 1 x 220-240V / 50Hz
 Range: K2

Water Cooler with Tank and Pump
Automatic & Manual Filling



**FOR A PERFECT COOLING
 IN INDUSTRIAL PROCESS
 WATER SYSTEMS**

CFK and HCFK-free

Options

Besides the **CoolMaster** standard programme, DTE also offers customized **CoolMaster's** which are calculated and built according to your specifications. The modular construction of the **CoolMaster** allows fast and simple adaptation to your specifications. DTE has almost all components for extra features available from stock.

Some of these are:

- ✓ full compliance with the country dependent standards and regulations,
- ✓ adaptation to all voltages and frequencies,
- ✓ housing fitted with wheels instead of rubber legs,
- ✓ adaptation to extreme environmental conditions,
- ✓ temperature adjustment and/or readable by remote control,
- ✓ protection against run-dry circulation pump,
- ✓ condenser for external set-up,
- ✓ integration of water-cooled condenser instead of an air cooled condenser,
- ✓ water piping in copper or stainless steel.

TYPE-NUMBER	**Cooling capacity at 15°C Watt	**Cooling capacity at 5°C Watt	Tension / Frequency V/Hz	*** Circulation cooling water l/h	** Rated power input kW	** Rated current Amp.	* Maximum current Amp.	Water-tank volume litres	Air quantity m³/h	Y ~ kg
K-001.0	990	710	1x220-240/50	CH2-20	0,85	4,35	5,05	23	1.180	80
K-001.7	1.720	1.270	1x220-240/50	CH2-20	0,87	4,42	5,17	23	1.180	80
K-003.6	3.550	2.520	1x220-240/50	CH2-30	1,33	6,27	8,47	23	1.180	81
K-004.9	4.850	3.510	1x220-240/50	CH2-30	1,90	9,07	11,47	23	1.180	89

* Maximum permissible load.

** At an ambient temperature of 27°C.

*** For head pressure water pump, see pump graphic.

Conversion values: 1 W = 1 J/s = 0,86 kcal/h

Technical specifications under subject to change.





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The CoolMaster is a complete and plug-in type of DTE product which fully meets all European directives, safety, and quality standards, such as CE, EN 292, EN 1050, EN 60204, EN 378 and PED directive 97/23/EG. All DTE products are developed and constructed in accordance with ISO 9001. Standard documentation supplied with all machines: Pressure test certificate, refrigeration charge/evacuation certificate, leakage testing approval, system check certificate, instruction card and a machine operating and maintenance manual. All certificates issued in conformance with European and local laws governing construction of refrigeration.



The CoolMaster consists of components from the standard production range of well-known suppliers. All building elements are fitted in such a way that they are not only easily accessible but also easily exchangeable. Careful selection, calculation and set-up of the components is achieved using computer programmes DTE designed especially for this purpose. In this way DTE houses the maximum cooling capacity in a minimum of space.

In the CoolMaster only durable materials are used. DTE leaves nothing to chance and chooses knowingly for a robust housing fitted with rubber legs. These legs are easily removable to enable direct mounting onto customers steelwork.

The insulated stainless steel water tank in the CoolMaster is sealed tight to prevent any possible algal growth caused by the incidence of light.

Furthermore, the warm air produced by the condenser does not remain in the CoolMaster, but is blown out directly by a powerful axial fan.

These important DTE constructional features guarantee the long life of the CoolMaster.

The CoolMaster includes the following components:

- ✓ Tube-coil heat exchanger (evaporator) made of stainless steel,
- ✓ digital temperature controller with adjustable limitation and display for reading out measured values,
- ✓ a pressure limited thermostatic expansion valve, (except. K-001.0 en de K-001.7 capillaire injection)
- ✓ an industrial multi-stage centrifugal pump with impellers, shaft and other key components made of stainless steel,
- ✓ by-pass for water pump protection,
- ✓ hermetically sealed and suction gas cooled compressor,
- ✓ an air-cooled condenser specially designed by DTE, fitted with copper pipes and aluminium fins,
- ✓ an industrial axial fan which directly blows the hot condenser air horizontally to outside,
- ✓ a closed water tank made of stainless steel, which also has been provided with insulation, a float for automatically refilling, manual filling device, and sight glass,
- ✓ a switch box provided with all necessary protections,
- ✓ connection for external start/stop (Volts-Free Contact).
- ✓ All connections on the back of the machine, no hoses or cables are visible

