Furnizorul de lângă tine









C.U.I. RO15564229, Nr. Inreg. R.C. J10/558/2003 Sediul social: BERCA, str. Plesesti, jud. BUZAU Capital social subscris si 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 19,3 - 32,1 kW

BOE - THERM



Water Cooler with Tank and Pump Automatic & Manual Filling



FOR A PERFECT COOLING IN INDUSTRIAL PROCESS WATER SYSTEMS

CFK and HCFK-free

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.













BIBIS COM

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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 stainless steel foot mounts. These foot mounts are provided with M12 thread holes at the underside to enable direct mounting onto customer's 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 condensers does not remain in the CoolMaster, but is blown out directly by powerful axial fans. These important DTE constructional features guarantee the long life of the CoolMaster.

The CoolMaster includes the following components:

- √ heat exchanger (evaporator) made of stainless steel corrugated plates,
- ✓ digital temperature controller with adjustable limitation and display for reading out measured values,
- ✓ a pressure limited thermostatic expansion valve,
- ✓ 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, protected at high and low pressure by a pressostat,
- ✓ an air-cooled condenser specially designed by DTE, fitted with copper pipes and aluminium fins,
- ✓ industrial axial fans which directly blows the hot condenser air horizontally to outside,
- ✓ a closed water tank make of stainless steel, which also has been provided with insulation, a float for automatically refilling, manual filling device, and sight glass,
- ✓ Water tank level alarm, (machine will switch off),
- ✓ 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 visual

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,
- ✓ a circulation pump of a different capacity,
- ✓ adaptation to all voltages and frequencies,
- √ housing fitted with wheels,
- ✓ adaptation to extreme environmental conditions,
- √ temperature adjustment and/or readable by remote control,
- ✓ extra feature for outdoor use with frost protection,
- ✓ 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	**Cooling capacity at 5°C	Tension / Frequency	Circulation cooling water at ∆p 2,5 bar	** Rated power input	** Rated current	Maximum current	Water- tank volume	Air quantity	'
	Watt	Watt	V/Hz	l/h	kW	Amp.	Amp.	litres	m³/h	∼ kg
K-019.3	19.260	13.530	220-240 / 380-415/50	2.750	5,51	13,21	21,51	140	10.420	392
K-023.4	23.370	16.320	220-240 / 380-415/50	3.340	6,46	14,61	24,51	140	10.420	394
K-027.8	27.790	19.890	220-240 / 380-415/50	3.970	7,84	16,41	21,51	140	10.420	392
K-032.1	32.110	23.370	220-240 / 380-415/50	4.590	9,64	19,31	24,51	140	10.420	394

^{*} Maximum permissible load.

Conversion values: 1 W = 1 J/s = 0,86 kcal/h Technical specifications under subject to change.









^{**} At an ambient temperature of 27°C.

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