

DCP

Evaporative cooling unit



The refreshing DCP30 unit is a compact evaporative air cooling unit and is suitable for numerous fields of applications: livestock, greenhouses and industrial sites.

Technology basis

The unit uses the physical principle of water evaporation; the air is forced through the CELdek® evaporative cooling pads by a powerful fan. While the air passes through the wet pad, it releases heat to the water, thereby cooling itself. The quantity of moisture present in the air determines the level of temperature reduction of the air treated.

Design DCP30

Beyond the evaporative CELdek pads the unit is supplied with a 300 l polyethylene water tank and a submersible pump with a capacity of 30 l/min. The light weight; sturdiness of the galvanised steel housing; and, easy installation ensures quick and easy movement of the DCP30 from one location to another.

As an option a perforated plastic duct can be supplied, which can be mounted to the air outlet of the DCP30 and allow for the optimal distribution of the air inside the environment that needs to be cooled. The unit is also ready to be connected to a thermostat and a humidistat.

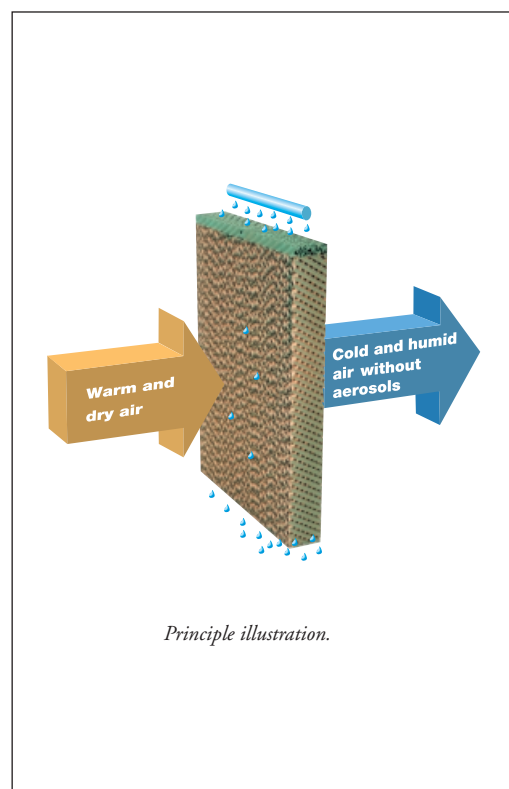
Design DCP30 TOP4

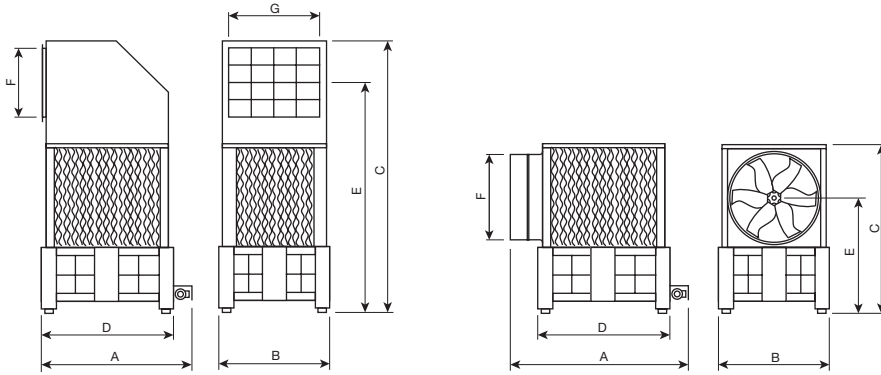
The DCP30 TOP4 is a version of desert cooler equipped with a tower outlet and adjustable air deflectors. It can be installed inside or outside the structure that needs to be cooled. If it is installed outside, an optional flange can be supplied that allows for the connection of a perforated plastic duct.

EQUIPMENT

DCP30; DCP30 TOP4

- Pre-coated and galvanised steel housing
- Tank manufactured in thermoplastic material
- Electrical motor with IP55 protection grade.
- CELdek® 7090-15 evaporative cooling pads
- Circulation water unit is CE approved.
- Complete plumbing kit incorporated
- Electrical enclosure with safety and control switchgear
- Single-phase as option





Dimensions [mm]				
DCP30				
A	B	C	D	
1,640	1,000	1,520	1,200	
E				
F				
1,000	790			
DCP30 TOP 4				
A	B	C	D	
1,360	1,000	2,500	1,200	
E				
F				
2,150	650	800		

Technical specifications

		DCP30 TOP4	
Dry weight	[kg]	44	
Motor power ¹	[kW] [hp]	1.1	[1.5]
Airflow	[m ³ /h] [cfm]	16,000	[9,415]
Propeller diameter	[mm] [inch]	780	[30]
Number of blades		6	
Max operating temperature	[°C] [°F]	50	[122]
IEC protective class of electric motor		IP55	
Electric motor winding insulation grade		F	

¹Three-phase electric motor as standard, single-phase as option.

N.B. Airflow data are measured at standard condition (20 °C, 1013 hPa).

DCP30 is developed and produced by Munters Italy S.p.A., Italy.

Order information

DCP30-X-X-X e.g., DCP30-a-a-a

Code for specifying accessories.

- a Plastic duct
- b Without plastic duct

Code for specifying thermostat.

- a Thermostat
- b Without thermostat

Code for specifying the electrical motor's phase.

- a Three-phase
- b Single-phase

DCP30 TOP4-XX-X-X

Code for specifying accessories.

- a Connecting flange
- b Plastic duct

Code for specifying thermostat.

- a Thermostat
- b Without thermostat

Code for specifying the electrical motor's phase.

- a Three-phase
- b Single-phase

e.g., DCP30 TOP4-ab-a-a



Munters, HumiCool Division, Kung Hans Väg 8, P.O. Box 434, SE-191 24 Sollentuna, Sweden. Phone +46 8 626 63 00, Fax +46 8 754 56 66.

Munters Italy S.p.A., Strada Piani 2, IT-18027 Chiusavecchia, Italy. Phone +39 0183 52 11, Fax +39 0183 521 333.

www.munters.com

Australia Munters Pty Limited, Phone +61 2 6025 6422, Fax +61 2 6025 8266, **Austria** via sales organization in Germany, **Brazil** Munters Brasil Industria e Comercio Ltda, Phone +55 11 5054 0150, Fax +55 11 5054 0883, **China** Munters Air Treatment Equipment (Beijing) Co., Ltd., Phone +86 10 80 481 121, Fax +86 10 80 483 493, **Denmark** via sales organization in Sweden, **Finland** Munters Oy, Phone +358 9 83 86 030, Fax +358 9 83 86 0336, **France** Munters France S.A., Phone +33 1 34 11 57 50, Fax +33 1 34 11 57 51, **Germany** Munters Euroform GmbH, Phone +49 241 89 00 0, Fax +49 241 89 00 5199, **Indonesia** Munters, Phone +62 21 9105446-7, Fax +62 21 5310509, **Italy** Munters Italy S.p.A., Phone +39 0183-52 11, Fax +39 0183-521 333, **Japan** Munters K.K., Phone +81 3 5970 0021, Fax +81 3 5970 3197, **Kingdom of Saudi Arabia and Middle East** Hawa Munters, c/o Hawa United Cooling Syst. Co. Ltd., Phone +966 1 477 15 14, Fax +966 1 476 09 36, **Korea** Munters Korea Co., Ltd, Phone +82 2 761 8701, Fax +82 2 761 8777, **Mexico** Munters Mexico Phone +52 722 270 40 30, Fax +52 722 270 41 95, **Norway** via sales organization in Sweden, **South Africa and Sub-Sahara Countries** Munters (Pty) Ltd, Phone +27 11 997 2000, Fax +27 11 608 3501, **Spain** Munters Spain S.A., Phone +34 91-640 09 02, Fax +34 91-640 11 32, **Sweden** Munters Europe AB, Phone +46 8 626 63 00, Fax +46 8 754 56 66, **Switzerland** via sales organization in Germany, **Thailand** Munters (Thailand) Co. Ltd., Phone +66 2 645 2708-12, Fax +66 2 645 2710, **United Kingdom** Munters Ltd, Phone +44 845 644 3980, Fax +44 845 644 3981, **USA** Munters Corporation **Fort Myers**, Phone +1 239 936 1555, Fax +1 239 936 8858, Munters Corporation **Mason**, Phone +1 888 335 0100, Fax +1 517 676 7078, **Export & Other countries** Munters Europe AB, Phone +46 8 626 63 00, Fax +46 8 754 56 66.

Your closest distributor

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