

Cubo Aqua

Transcritical CO₂ unit for cooling and freezing

Liquid cooled cooling unit with natural refrigerant R744 - Carbon dioxide

R744

- Environmentally-friendly
- Frequency controlled compressor
- Service-friendly
- Low Noise level, 41 dBA
- Carel HECU
- Energy efficient



An environmentally-friendly solution for small cooling installations

CUBO Aqua CO₂ is an alternative to traditional HFC units for smaller projects. The unit is supplied with frequency controlled DC Brushless Toshiba compressor.

All central functions are controlled by Carel HECU regulator.

The regulator is pre-programmed so that it is only necessary to set the set points prior to start-up.



Optimal operation

A complete solution with Carel control.

Carel control for evaporator (UltraCella, MPX) connected to the HECU regulator via bus-communication gives access to several control functions.

- Smooth line
- Oil recovery
- Liquid suction pressure

Technical data

CUBO Aqua CO₂ for cooling

Model UMTT WG	Electrical data		Cooling output*		Cooling output*		Pipe connections		Tank volume Litres	PED cat.	Weight kg	Dimensions		
	Fuse A	Voltage V/pH/Hz	Min. W	Max. W	Min. W	Max. W	Suction inches	Liquid inches				Length mm	Width mm	Height mm
030-8L MTDX	16	230/1/50	592	2641	905	3994	3/8"	3/8"	8	2	150	1150	570	805
045-8L MTDX	16	230/1/50	887	3966	1401	6190	3/8"	3/8"	8	2	150	1150	570	805
067-8L MTDX	20	230/1/50	1361	5615	2157	8375	3/8"	3/8"	8	2	150	1150	570	805
100-8L MTDX	16	400/3/50	1994	8290	3052	11894	1/2"	3/8"	8	2	150	1150	570	805

* Dimensioned data stated at -10°C evaporation and +32°C water temperature.

** Dimensioned data stated at -10°C evaporation and +10°C water temperature.

CUBO Aqua CO₂ for freezing

Model UMTT WG	Electrical data		Cooling output*		Cooling output*		Pipe connections		Tank volume Litres	PED cat.	Weight kg	Dimensions		
	Fuse A	Voltage V/pH/Hz	Min. W	Max. W	Min. W	Max. W	Suction inches	Liquid inches				Length mm	Width mm	Height mm
030-8L BTDX	16	230/1/50	652	3344	652	3344	3/8"	3/8"	8	2	176	1545	570	805
045-8L BTDX	20	230/1/50	984	5049	984	5049	3/8"	3/8"	8	2	176	1545	570	805
067-8L BTDX	20	400/3/50	1677	6599	1677	6599	3/8"	3/8"	8	2	176	1545	570	805
100-8L BTDX	20	400/3/50	2287	9187	2287	9187	1/2"	3/8"	8	2	176	1545	570	805

* Dimensioned data stated at -30°C evaporation and +32°C water temperature.

** Dimensioned data stated at -30°C evaporation and +10°C water temperature.

SCM REF AB

Tel. +46 (0) 472 350 10

Olvägen 17, SE-342 50 Vislanda

www.scmref.se

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