

Qualiterme

LINE TSM

COOLING TOWER



**Genuine outcomes,
intelligent savings!**

Qualiterme provides cutting-edge solutions in industrial refrigeration, integrating advanced technology, energy efficiency, and sustainability.



The TSM Line equipment possesses a circulating water capacity ranging from 40m³ to 240m³. Its construction is composed of fiberglass and includes a shielded motor with an IP55 rating, automatic water distribution, and low-noise operation. Tailored to address the unique requirements of each client, it features an exclusive maintenance window system. The inclined tank design enhances cleaning efficiency and integrates a protective system that prevents dirt accumulation. Engineered with cutting-edge technology, these units optimize cooling and heat exchange.



EXPLORE OUR WEBSITE.

Qualiterme equipment is designed to efficiently, reliably, and effectively meet the demands of diverse industrial sectors.

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PRIMARY STANDARD EQUIPMENT CHARACTERISTICS:

STRUCTURE

Its design ensures optimized airflow and uniform distribution throughout the equipment's operational space. Constructed from reinforced fiberglass, it exhibits exceptional resistance to adverse weather conditions.

FILLING

Our equipment features honeycomb-type cells, injected to create a structure known as packing. This structure is situated within the tower, serving the purpose of separating the droplets emitted from the rotary distributor, thereby enabling the water to dissipate heat from the reservoir.

MAINTENANCE PERIOD

Its purpose is to facilitate equipment maintenance. With its opening mechanism, disassembly of the equipment is unnecessary for access, thereby expediting the maintenance process.

DH

DR

DS

PROPELLER

Fully dismountable, it is constructed with injection-molded blades reinforced by a central aluminum hub. The blades are designed to ensure low noise levels while delivering exceptional airflow.

WATER DISTRIBUTION SYSTEM

The automatic water distribution system consists of a collection of components molded from ABS plastic and PVC pipes, creating an efficient rotation mechanism via sprinkler pipes. The distributor assembly is affixed between a flange positioned above the distributor and a PVC "T" fitting, which is secured with stainless steel screws.

WATER TANK OR RESERVOIR

It features a gentle slope toward the pump manifold, which reduces the likelihood of dirt accumulation and facilitates the cleaning of the reservoir.

TECHNICAL SPECIFICATIONS

TSM COOLING TOWER

		Three-phase			Single-phase (Optional)	Dimensions			Hydraulic Linkages		Propeller/Motor		Approximate weight			
Model	Capacity (m³)	220V	380V	440V	220V	Width (mm)	Length (mm)	Height (mm)	DS (mm)	DR (mm)	DH	CV	VA (KG)	OP (KG)		
TSM40	40	✓	✓	✓	X	1560	1560	3000	75	60	25"	1x3	218	918		
TSM80	80	✓	✓	✓	X	1560	2660	3000	75	60	25"	2x3	290	1620		
TSM120	120	✓	✓	✓	X	1560	3760	3000	75	60	25"	3x3	615,6	2575,6		
TSM160	160	✓	✓	✓	X	1560	4860	3000	75	60	25"	4x3	814,4	3404,4		
TSM200	200	✓	✓	✓	X	1560	5960	3000	75	60	25"	5x3	1013,2	4233,2		
TSM240	240	✓	✓	✓	X	1560	7060	3000	75	60	25"	6x3	1152,4	4862,4		
DS	Outlet Diameter	DR	Return Diameter		DH	Fan Propeller Diameter			CV	Pump Power		VA	Unladen Weight	ON	Operating weight	

NOTE: FOR EQUIPMENT THAT EXCEEDS THESE CAPACITIES, PLEASE CONSULT THE ENGINEERING DEPARTMENT.
QUALITERME RETAINS THE RIGHT TO MODIFY EQUIPMENT SPECIFICATIONS WITHOUT PRIOR NOTIFICATION.

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We introduce innovation in industrial cooling systems to the global market!



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