MESAN

MFD SERIES

Counter Flow Forced Draft

CTI CERTIFIED

The green Builder's Choice

MFD SERIES

Overview

The MFD series of forced-draft, counter-flow cooling towers, complements MESAN line of high performance, energy saving induced-draft towers.
Its low profile, low noise, and high-static centrifugal fans, makes the MFD the ideal solution for applications requiring the towers to be installed indoors. The MFD series, has 13 models in capacities ranging from 51 to 181 m³/h.

Compliant with the following international standards and certification:

- **CTI STD-201**
- **ASHRAE 90.1**
- **GB/T 7190**

MANUFACTURER'S PUBLISHED THERMAL PERFORMANCE IS CERTIFIED BY THE COOLING TECHNOLOGY INSTITUTE UNDER THE PROVISIONS OF STD-201 (21)
CERTIFICATION VALIDATION NO.:
C26J-16R02

Model Designation

CTI STD-201 Certified Line | Box Size | Fan Motor Power | Numbers of Cells, eg. 2 cells per set

MFD – L01 – 5.5 – F4 – 2

F4/F6 - for SS304/316 Casing & Structure
S4/S6 - for SS304/316 Structure

Advantages

Durable Tower Construction

- Casing is made of larger panels with few bolted joins to minimize the possibility of water leaks.
- Available in Z700 galvanized steel as standard.

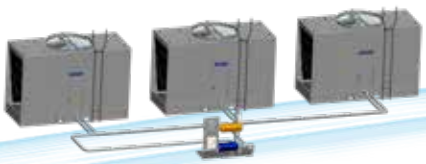
Heavy gauge structural steel base frame for easier hoisting and to provide structural integrity.

High Efficiency

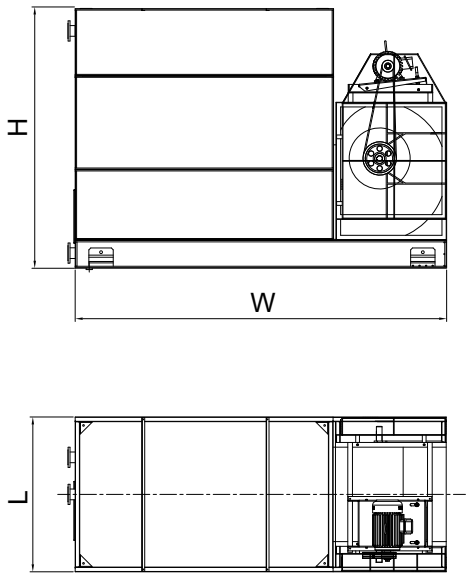
The centrifugal fans used in our MFD series cooling towers are certified by AMCA. AMCA is an international, non-profit organization dedicated to the certification of performance of fans, louvers, dampers and other air handling equipment.
High efficiency, PVC heat transfer surfaces with proprietary design that combines excellent contact between air and water while offering very little resistance to airflow for the lowest fan energy consumption. As an option, high-temperature infill, either polypropylene or CPVC is also offered.

Water Saving

- Available with water filtration system to clean cooling tower water maintains consistently high heat transfer efficiencies, reduces maintenance and chemical cost. Contributes to get 2 LEED points in water saving category.



Product Technical Data

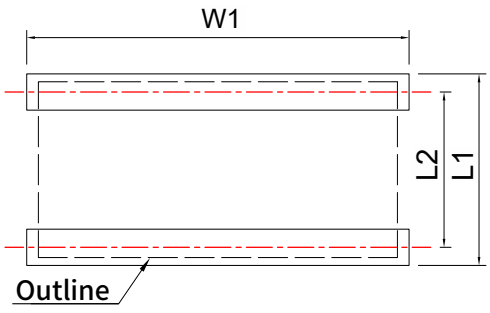


Model	Motor (kW)	Water Flow (m^3/h)	Dimensions(mm)		
MFD			W	L	H
L01	3	51	3,080	1,455	2,515
	4	54			
	5.5	62			
L02	5.5	75	3,960	1,650	2,785
	7.5	82			
	11	92			
L03	7.5	104	5,120	1,770	2,920
	11	115			
	15	126			
L04	11	149	5,250	1,900	2,860
	15	161			
	18.5	175			
	22	181			

Notes:

1. Nominal water flow is defined as rate of water cooled from 37°C to 32°C with 28°C wet-bulb temperature.
2. Satisfactory performance is based on precise selection, proper system design and installation in a clean and well-ventilated area.

Foundation



Model	Foundation Dimensions			Piping Dimensions				
MFD	L1	L2	W1	WI	WO	Overflow	Drain	M–U
L01	1,285	1,585	3,280	DN100	DN100	DN40	DN25	DN20
L02	1,480	1,780	4,155	DN100	DN100	DN40	DN25	DN25
L03	1,600	1,900	5,315	DN150	DN150	DN40	DN40	DN25
L04	1,730	2,030	5,450	DN150	DN150	DN50	DN40	DN25

Notes:

1. Secure the base of the cooling tower with anchor bolts.
2. All foundation support surfaces are on the same horizontal plane, and the elevation deviation is less than 5mm.
3. Buyer is responsible for the tower support and for the diameter of the anchoring bolts to comply with local building codes.

MESAN

www.mesanct.com

sales@mesanct.com


MXH


MXL


MFD


MXC


MXC - FC


MCC


MHD

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