

Project Name: MESAN USA
 File Number:
 Selected By: Xin
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Cooling Tower Data

Series:	MXR-KM Cross Flow, L type	CTI Certification:	08-26-03(R2)
Model:	MXR-KM-E2-15	Fan Motor Pole No.:	6 p
Cell(s) Per Set:	1	Fan Motor Power Per Cell:	20.0 hp
Fan Type:	Axial	Fan Motor Power Total:	20.0 hp
Fan Diameter:	102"	Electrical (V/Ph/Hz):	460/3/60
Fans Per Cell:	1	Air Flow Per Cell:	126608 cfm
Water Pressure Drop:	23.4 ft	Air Flow Total:	126608 cfm
Sound Pressure Level:	78.2 dBA(Single Cell) @15 ft from Air Inlet Face		

Performance Data

Water Flow Rate Per set :	922gpm~1280 gpm	Evaporation Loss:	0.927%
Entering Water Temp.:	95°F	Drift Loss:	≤ 0.005 %
Leaving Water Temp.:	85°F	Make-up Water:	≤ 1.5 %
Ambient Wet Bulb Temp:	78°F	Heat Rejection Capacity:	4615MBH~6407 MBH
Range:	10°F	Capability:	100 %~139%
Approach:	7°F		

Physical Data

	Per Set		Total Per Set
Length:	10'-2 3/4"	Dry Weight:	12128 lb
Width:	18'-1 1/4"	Operating Weight:	15766 lb
Height:	17'-6 3/4"		

Note: Weights and dimensions do not include options.

Drive System

Drive Type: Belt Drive

Pipe Connection Size Per Cell

Inlet Pipe:	10"	Overflow:	3"
Outlet Pipe:	10"	Drain:	2"
Make-Up:	1 1/2"		

Materials of Construction

Casing:	FRP	Fill:	PVC
Cold Basin:	FRP	Structure:	HDGS
Hot Basin:	FRP	Ladder:	HDGS
Fan Deck:	FRP	Fastener:	Dacromet Coated
Fan Stack:	FRP	Fan Blades:	Aluminum

Optional Items

Drift Eliminator: PVC

Notes: The tower selection & performance are based on a well-ventilated condition and single set design. For multiple-set jobs or in unfavorable conditions, please contact our engineering department for assistance with the towers layout.