

Project Name: MESAN USA

File Number:

Selected By: Xin

Date: 11/6/2012



MESAN USA - 3620 NW 115th Ave., Doral, FL 33178

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Cooling Tower Data

Series:	MKT Counter Flow		
Model:	MKT-225	Fan Motor Pole No.:	6 p
Cell(s) Per Set:	1	Fan Motor Power Per Cell:	7.5 hp
Fan Type:	Axial	Fan Motor Power Total:	7.5 hp
Fan Diameter:	93"	Electrical (V/Ph/Hz):	230/460/3/60
Fans Per Cell:	1	Air Flow Per Cell:	70632 cfm
Water Pressure Drop:	10 ft	Air Flow Total:	70632 cfm
Sound Pressure Level:	68.3 dBA(Single Cell) @15 ft from Air Inlet Face		

Performance Data

Water Flow Rate Per set :	594 gpm~825 gpm	Evaporation Loss:	0.927 %
Entering Water Temp.:	95°F	Drift Loss:	≤ 0.01 %
Leaving Water Temp.:	85°F	Make-up Water:	≤ 1.5 %
Ambient Wet Bulb Temp:	78°F	Heat Rejection Capacity:	2973 MBH~4129 MBH
Range:	10°F		
Approach:	7°F		

Physical Data

	Per Set		Total Per Set
Diameter:	14'-5 1/4"	Dry Weight:	3285 lb
Height:	11'-10 1/2"	Operating Weight:	9215 lb

Note: Weights and dimensions do not include options.

Drive System

Drive Type: Belt Drive

Pipe Connection Size Per Cell

Inlet Pipe:	8"	Overflow:	3"
Outlet Pipe:	8"	Drain:	1 1/2"
Make-Up:	1"		

Materials of Construction

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

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.