

Project Name: MESAN USA

File Number:

Selected By: Xin

Date: 11/9/2012



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

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Cooling Tower Data

Series:	MKT Counter Flow		
Model:	MKT-50	Fan Motor Pole No.:	8 p
Cell(s) Per Set:	1	Fan Motor Power Per Cell:	1.5 kw
Fan Type:	Axial	Fan Motor Power Total:	1.5 kw
Fan Diameter:	46.6"	Electrical (V/Ph/Hz):	230/460/3/60
Fans Per Cell:	1	Air Flow Per Cell:	17776 cfm
Water Pressure Drop:	8.4 ft	Air Flow Total:	17776 cfm
Sound Pressure Level:	60.4 dBA(Single Cell) @15 ft from Air Inlet Face		

Performance Data

Water Flow Rate Per set :	132 gpm~149 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:	80°F	Heat Rejection Capacity:	661 MBH~746 MBH
Range:	10°F		
Approach:	5°F		

Physical Data

	Per Set		Total Per Set
Diameter:	6'-10 3/4"	Dry Weight:	595 lb
Height:	7'-6"	Operating Weight:	2138 lb

Note: Weights and dimensions do not include options.

Drive System

Drive Type: Direct Drive

Pipe Connection Size Per Cell

Inlet Pipe:	4"	Overflow:	1 1/2"
Outlet Pipe:	4"	Drain:	1"
Make-Up:	3/4"		

Materials of Construction

Casing:	FRP	Fill:	PVC
Cold Basin:	FRP	Structure:	HDGS
Fan Stack:	FRP	Ladder:	HDGS
Fan Blades:	ABS	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.