| | |
|---|---|
| Project Name: | MESAN USA |
| File Number: | |
| Selected By: | Xin |
| Date: | 6/27/2012 |

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## Cooling Tower Data

| | | | |
|---|---|---|---|
| Series: | MXR-KM Cross Flow, L type | CTI Certification: | 08-26-03(R2) |
| Model: | MXR-KM-D4-15 | 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: | 93" | Electrical (V/Ph/Hz): | 460/3/60 |
| Fans Per Cell: | 1 | Air Flow Per Cell: | 118309 cfm |
| Water Pressure Drop: | 20.1 ft | Air Flow Total: | 118309 cfm |
| Sound Pressure Level: | 80.5 dBA(Single Cell) @15 ft from Air Inlet Face | | |

## Performance Data

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|---|---|---|---|
| Water Flow Rate Per set : | 795 gpm~901 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: | 80°F | Heat Rejection Capacity: | 3979MBH~4514 MBH |
| Range: | 10°F | Capability: | 100 %~113% |
| Approach: | 5°F | | |

## Physical Data

| | **Per Set** | | **Total Per Set** |
|---|---|---|---|
| Length: | 9'-8 1/2" | Dry Weight: | 11246 lb |
| Width: | 15'-9 3/4" | Operating Weight: | 14619 lb |
| Height: | 16'-9 1/4" | | |

*Note: Weights and dimensions do not include options.*

## Drive System

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|---|---|
| Drive Type: | Belt Drive |

## Pipe Connection Size Per Cell

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

## 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.