

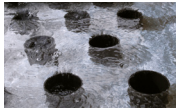
Solutions to Improve Tower Operation and Performance



MarKey™ MX75 Fill

High-efficiency fill upgrade: new MarKey™ MX75 Fill to increase heat transfer

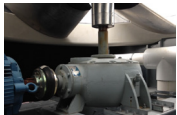
- Easily install hanging fill sheets
- Supports greater water and energy efficiency. Integral drift eliminators reduce drift emissions and lower fan horsepower
- Increases performance of Marley NC Cooling Towers



Marley Variflow Nozzle Cups

(NC models only)

- Maintains uniform air-water contact for maximum efficiency
- Concentrates heat load at the louver face to reduce freezing and minimize drift; optimal for cold weather operation
- Reduces scaling and extends cooling tower fill life



Mechanical Equipment Upgrade Options

Discuss options with your Marley sales rep

- Increase cooling tower capacity by upgrading the Motor, Geareducer® and Fan to increase airflow, reliability and efficiency
- Shaft grounding rings (SGR) are available as upgrades to Marley motors
- S Series Geareducers include both a custom Inpro/Seal® input shaft seal and an output shaft lip-type oil seal
- Permanent Magnet Direct Drive fan motor
- Replace existing 2-speed motors to save energy - motor upgrade to 1800 rpm and new VFD control
- Convert existing belt drive system with Marley Geareducer

Solutions to Reduce Cooling Tower Sound*



Marley Quiet Fans

- Increased blade count and reduced speed lowers sound levels with minimal cost impact
- Reduces sound levels by 2-4 dBA with 0-3% thermal derating



Marley Ultra Quiet Fans**

- Utilizes high solidity acoustic geometry airfoil for ultra-quiet and efficient operation
- Reduces sound levels by 7-12 dBA with generally no thermal derating

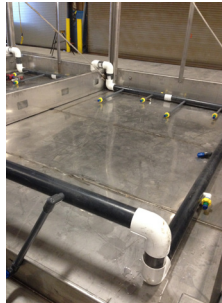
*Upgrade options from the standard Marley X7 low-sound fan. Not all cooling tower models are available for upgrade.

**Change out may require reducing fan speed, which may require change of motor to 1200 rpm output speed.

Solutions to Simplify Maintenance and Support Environment, Health and Safety Initiatives



BasinGard™ Filter



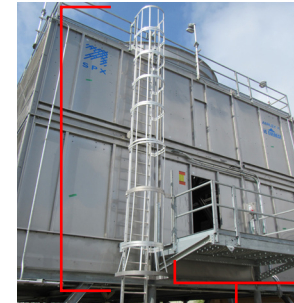
Basin Sweeper Piping
(NC models only)



Air Inlet Screens
Keep the tower interior free of leaves and debris.



Portable Crane



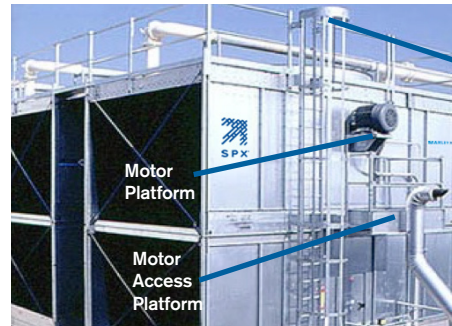
Ladder Safety Cage **Access Door Platform**



Plenum Walkway



Maintenance Platform and Walkway



Motor Outside Airstream (MOA) Platform

Access Ladder Guardrail and Safety Gate
(to access tower fan deck)



Louver Face Platform
(Platform can be located as pictured to clean HW Basins or at CW Basin level to ease cleaning of fill or CW Basin.)

Ladder Extension
(to extend ladder to grade)

Other Offerings:

- Extended Warranty Program – Protect your investment beyond the initial warranty period (NC8400 models only)
- Critical Spare Parts – Keep on the shelf to reduce downtime

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