

## 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

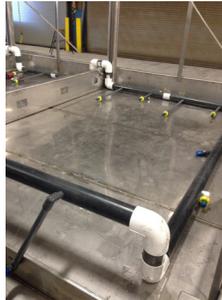
\*Upgrade options from the standard Marley X7 low-sound fan. Not all cooling tower models are available for upgrade.

\*\*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**



**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)



**Plenum Walkway**



**Maintenance Platform and Walkway**



**Motor Outside Airstream (MOA) Platform**

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

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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