

# MD EVEREST®

Modular Counterflow Cooling Tower

Designed for HVAC and Industrial Applications



# Marley® MD Everest®

MODULAR COUNTERFLOW COOLING TOWER DESIGNED FOR HVAC AND INDUSTRIAL APPLICATIONS

## MD Everest – An Advanced Counterflow Cooling Tower with Over 85% More Cooling Capacity\*

When SPX Cooling Technologies engineers began their quest to design a new counterflow cooling tower, they were challenged to reach new heights in cooling performance. The result, the Marley MD Everest Cooling Tower, provides unparalleled customer advantages compared to other preassembled counterflow towers, including unmatched cooling capacity, energy efficiency, fewer components and lower maintenance costs. Take cooling to a higher altitude with the Marley MD Everest Cooling Tower.

### INDUSTRIAL-STRENGTH CONSTRUCTION AND MATERIALS

The MD Everest Cooling Tower's robust structure meets seismic and wind load requirements and is designed to meet the rigors of HVAC and industrial applications using heavy-duty, corrosion-resistant structural members, and Marley heat transfer fill and mechanical components:

- 5-year maintenance-free System 5 Marley Geareducer® gear drive
- Energy-efficient low-clog PVC heat exchange fill media
- Motor Outside Airstream (MOA) standard
- 5-year mechanical component warranty

### PROTECTED HEAT TRANSFER MEDIA

The wet fill surfaces are totally enclosed, protecting them from exposure to sunlight to discourage algae growth.

### MOTOR ACCESSIBLE OUTSIDE AIRSTREAM

The TEFC motor is located outside the fan cylinder where it is readily accessible for maintenance without confined-space access.

### MODULAR DESIGN ADVANTAGES

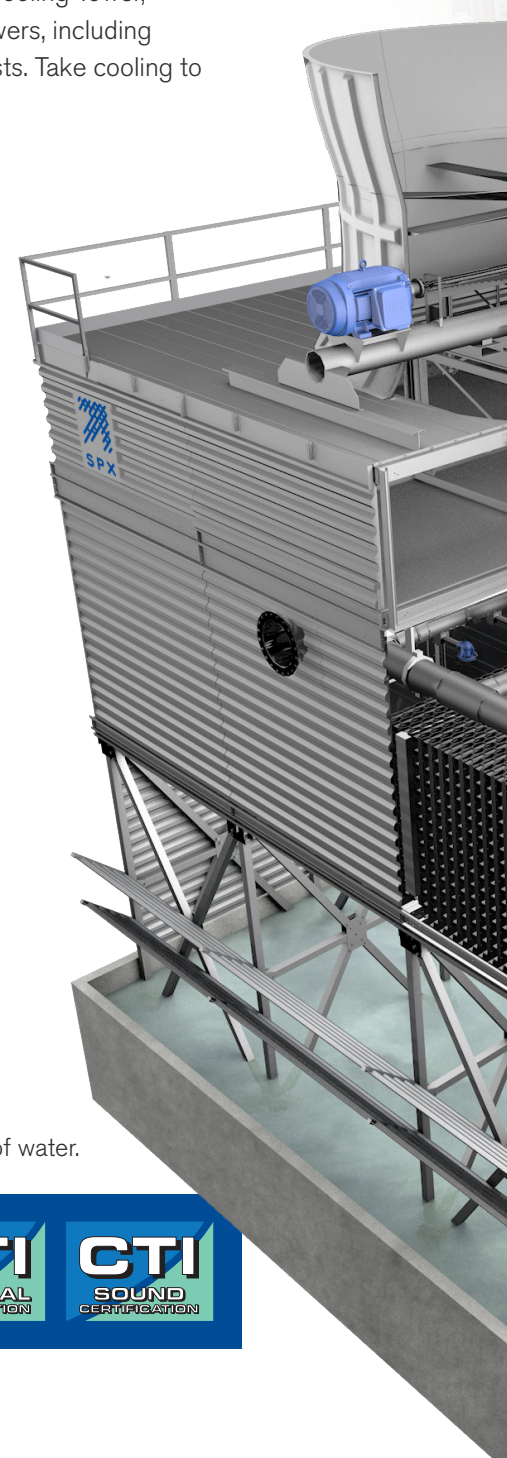
The MD Everest Cooling Tower's innovative design speeds manufacture, delivery and installation.

### CONSISTENT QUALITY

Because MD Everest tower modules are built and assembled in a controlled factory environment following strict manufacturing standards, the installation quality of the tower is consistently high.

### ADAPTS TO VARYING WATER QUALITY

The MD Everest Cooling Tower can employ a range of fill types to accommodate various sources of water.



### CERTIFIED THERMAL AND SOUND PERFORMANCE

The MD Everest Cooling Tower is CTI Thermal and Sound certified. This ensures specified heat rejection and noise levels are delivered, eliminating costly site tests.



*\*Compared to other single-cell, preassembled counterflow cooling towers.*





### **HIGHEST CAPACITY**

The MD Everest Cooling Tower offers greater than 85% more cooling capacity per cell compared with other preassembled counterflow cooling towers. At 3790 tons, the MD Everest tower is an ideal one-to-one match for large chillers.

### **60% FASTER DELIVERY**

Operations are up and running sooner because the MD Everest tower modules typically deliver to the site 60% faster than field-erected tower components.

### **80% FASTER INSTALLATION**

The MD Everest Cooling Tower arrives onsite in preassembled modules which install in about 20% of the time required for site-constructed towers.

### **INSTALLATION SAVINGS**

The MD Everest Cooling Tower's design minimizes piping and electrical connections to reduce installation costs.

### **LOW DRIFT RATE**

The MD Everest Cooling Tower achieves a low drift rate, down to 0.0005 percent of circulating water flow, so less water escapes the tower.\*

### **HIGHEST VALUE**

The MD Everest Cooling Tower offers significant advantages compared with other counterflow towers, including unmatched cooling capacity, energy efficiency, fewer components and lower maintenance costs.

*\*Compared with other leading manufacturers.*

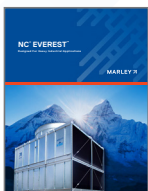
## MARLEY MD EVEREST PRODUCT PARAMETERS PER CELL

Model	Tons*	Nominal Capacity	Maximum Flow Rate	Length	Width	Height
MD5030	2653	11663 kW	8702 gpm – 1976 m <sup>3</sup> /hr	30 ft – 9.1m	30 ft – 9.1m	varies
MD5033	3023	13289 kW	10470 gpm – 2378 m <sup>3</sup> /hr	30 ft – 9.1m	36 ft – 11m	
MD5036	3790	16676 kW	12602 gpm – 2862 m <sup>3</sup> /hr	36 ft – 11m	36 ft – 11m	

\*Based on 3 gpm/ton at 95°F HW/85°F CW/78°F WB, varies depending on configuration

### ADDITIONAL MARLEY COOLING TOWER PUBLICATIONS

Access these publications and more information at [spxcooling.com](http://spxcooling.com)



Marley NC Everest  
Cooling Tower Brochure



Marley MD  
Cooling Tower Brochure



Marley Products and  
Services Brochure



Factory-Assembled  
Cooling Towers for Power  
and Industrial Applications

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