

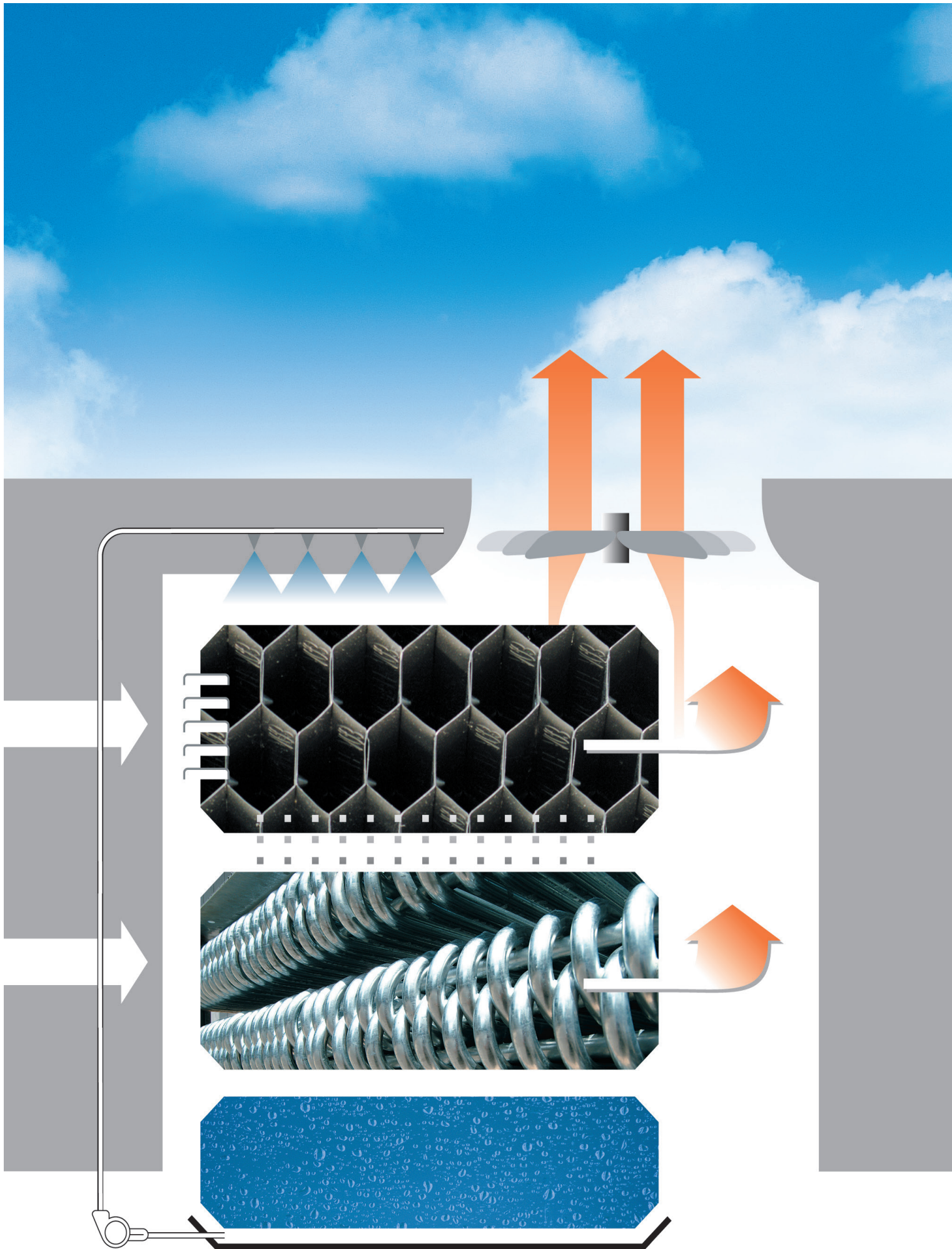
# MH fluid cooler

HYBRID DESIGN. HIGHER PERFORMANCE.

MARLEY® 

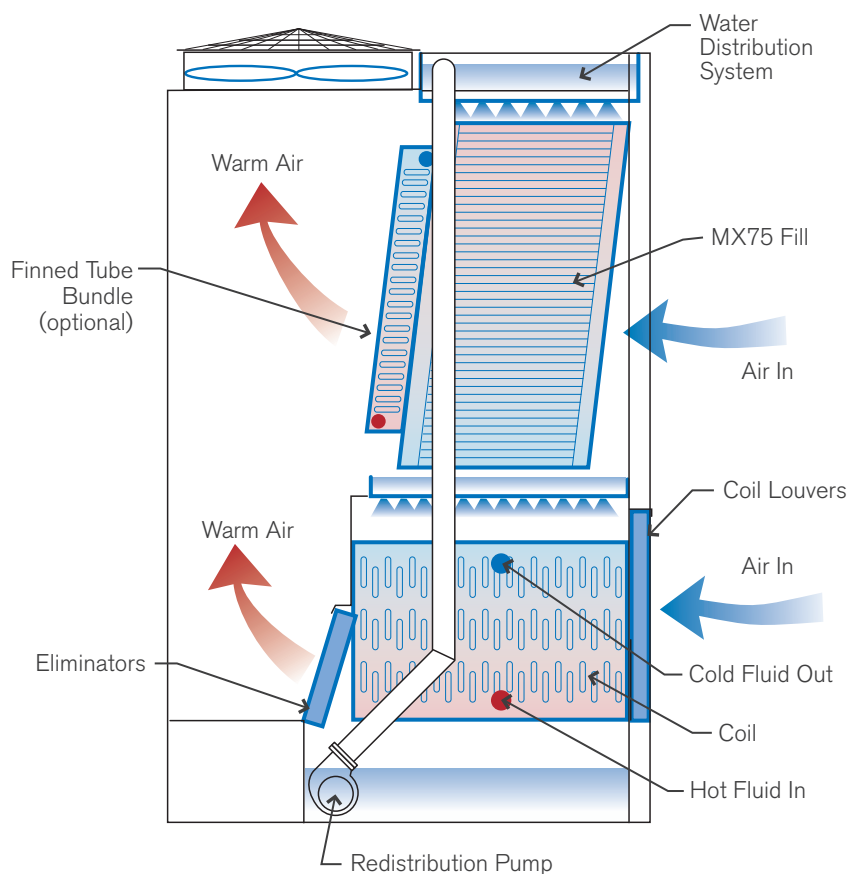






## Hybrid Design.

Utilizing a combination of evaporative fill media and prime surface coil(s), the MH Fluid Cooler offers significantly improved performance over conventional closed circuit coolers.

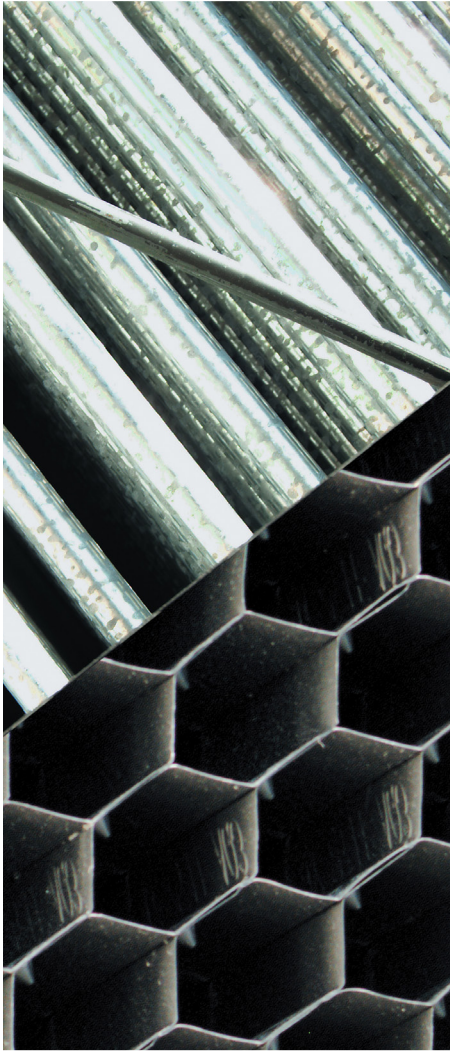


- Process fluid is pumped internally through the coil
- Heat is transferred from the process fluid to the recirculating water as it flows over the outside of the coil tubes
- The heated recirculating water is pumped from the collection basin to the gravity distribution basin
- Evenly distributed over the fill media and coil, a small portion of the recirculating water is evaporated, efficiently rejecting heat to the atmosphere

- Optimum fluid paths maximize heat transfer potential
- High efficiency components minimize footprint
- Evaporative fill media reduces the coil surface area required
- An optional finned coil can be selected to provide dry capacity in cold ambient conditions







- Protect process fluids from contamination
- Combine the functionality of a cooling tower and heat exchanger in one piece of equipment
- Maximize system efficiency by reducing fouling and scaling tendencies
- Reduce system energy and maintenance costs
- Conserve valuable space in equipment rooms
- Provide reliable, efficient, year-round operation

## The Right Choice.

The Marley MH Fluid Cooler is one of the most energy efficient closed circuit systems on the market and a great choice for closed loop Industrial and HVAC applications.

### **Maximum Efficiency**

Hybrid design and high efficiency components deliver consistent, reliable cooling with low input power.

### **Space Saving Footprint**

With higher capacity per footprint than conventional closed circuit designs, the MH Fluid cooler is a great fit for applications with space restrictions.

### **Unmatched Reliability**

Heavy duty construction backed by our 5-year mechanical warranty helps keep your process running smoothly year after year.

### **Certified Performance**

Thermal capacities of standard models are independently certified by the Cooling Technology Institute for performance with water, ethylene glycol solutions and propylene glycol solutions.

### **Low Sound Operation**

Equipped with low-sound fans as standard, the MH Fluid Cooler is suitable for most noise sensitive situations. Multiple fan and attenuation options are available to meet more stringent sound requirements.

### **Copper Coil Option**

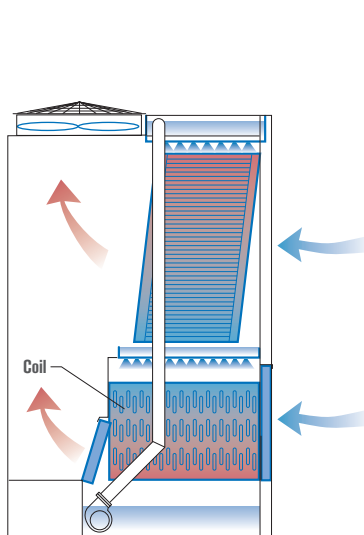
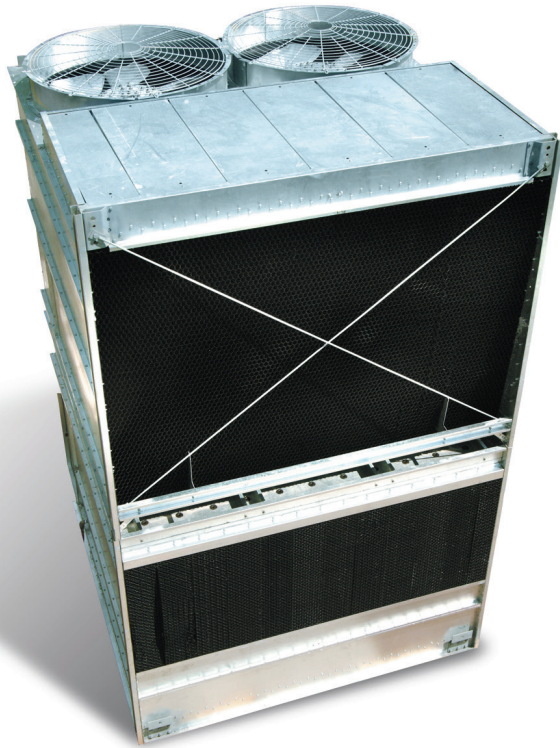
Select models are now available with copper coils offering superior corrosion resistance, improved heat transfer, reduced operating weight and numerous other benefits. CTI Certified.

### **Optional Dry Capability**

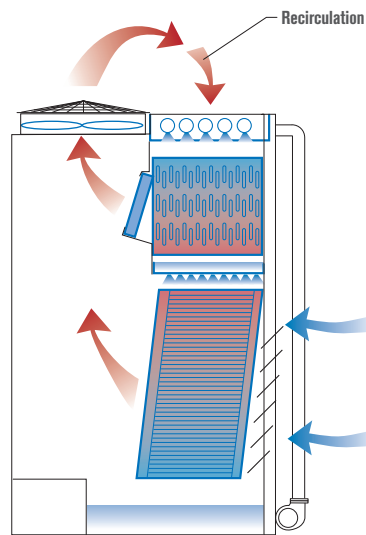
Models available with an optional extended-surface coil for part-load dry operation in cold ambient conditions.

**MARLEY®** 

## Higher Performance.



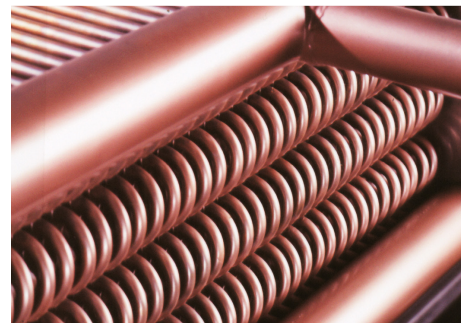
Marley MH Fluid Cooler



Other Leading Fluid Cooler

### COOLBOOST TECHNOLOGY

- Utilizes high-efficiency components and optimum fluid paths to boost cooling dramatically when compared to forced-draft units with comparable footprint
- Requires up to 35% less process fluid to fill the coil
- Weight is reduced by 15% or more



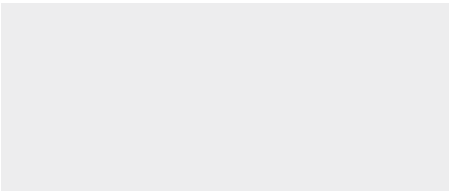
### COIL MATERIAL OPTIONS

Coil materials to suit a variety of application needs including:

- Hot dip galvanized steel
- Copper
- Series 300 stainless steel

### STRATEGIC COIL LOCATION

- Less risk of hot discharge air recirculation
- Easier to access and clean



**NEED EFFICIENT  
CLOSED-LOOP COOLING?**

The MH Fluid cooler provides just that, with unit capacities exceeding ASHRAE Standard 90.1 energy efficiency requirements.

Find the right tower for your application at [spxcooling.com/update](http://spxcooling.com/update)

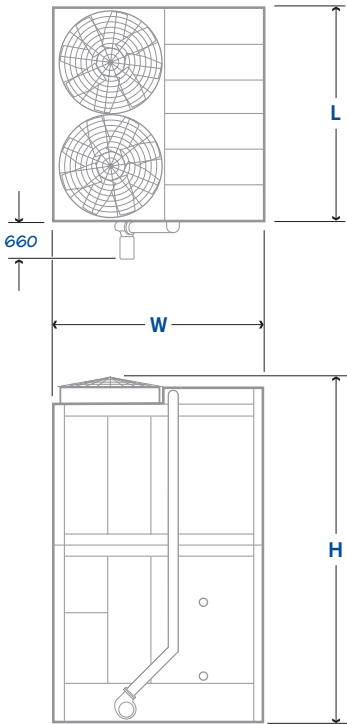


Maximum Efficiency.

Single-Flow Models

Models	Tons*	L	W	H
MHF7101	31 – 80	1854	2540	3937 – 4394
MHF7103	71 – 141	2769	2540	4445 – 5309
MHF7105	92 – 201	3683	2540	4445 – 5309
MHF7107	148 – 309	3683	3632	5309 – 6172
MHF7109	234 – 351	5512	3632	5309 – 5791

\* Nominal capacity based on 0.681 m<sup>3</sup>/hr per ton at 35°C Hot Water, 29.5°C Cold Water, 25.5°C Wet-Bulb. Varies depending on configuration.



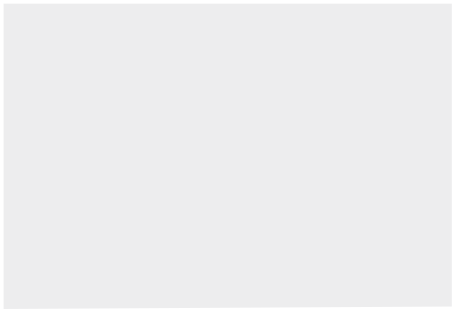
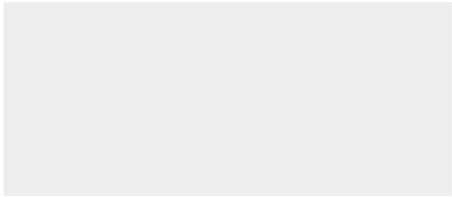
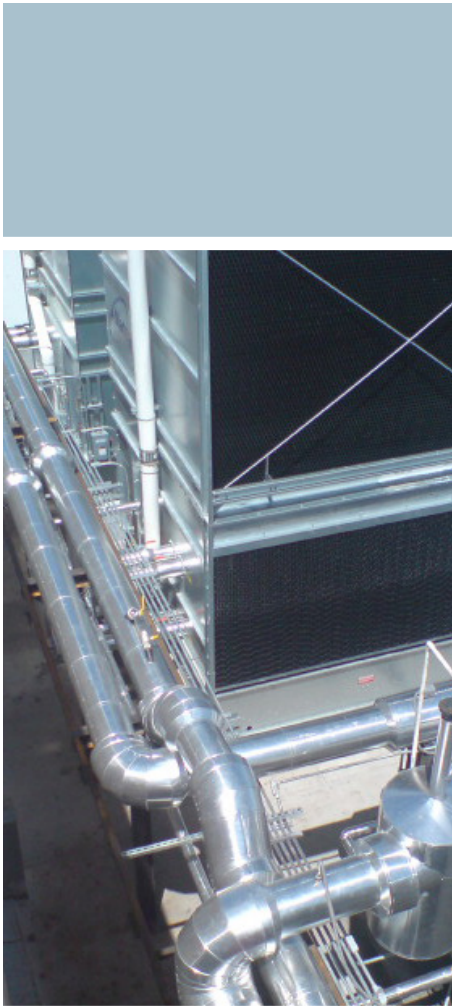
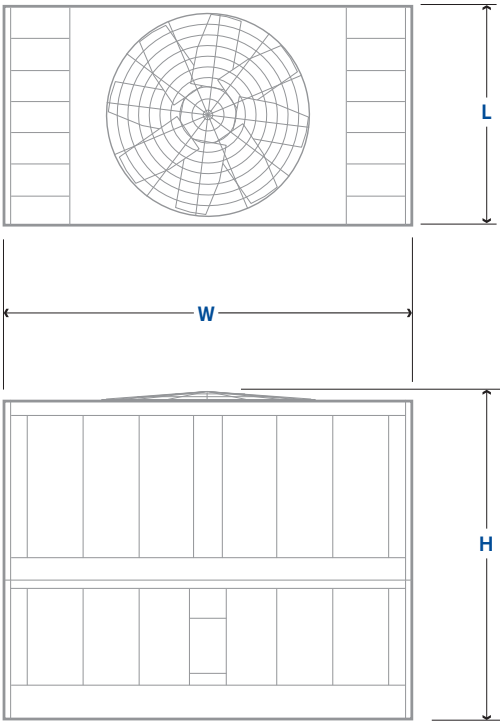


# Maximum Marley.

## Double-Flow Models

Models	Tons*	L	W	H
MHF7111	310 – 528	3632	7264	6553
MHF7113	410 – 628	4242	7874	6553

\* Nominal capacity based on 0.155 m³/hr per kW at 35°C Hot Water, 29.5°C Cold Water, 25.5°C Wet-Bulb.  
Varies depending on configuration.

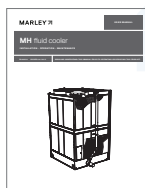


## ADDITIONAL MH FLUID COOLER PUBLICATIONS

For further information about the MH Fluid Cooler – including engineering schematics, data, layout requirements and more – download these MHF publications and others at [spxcooling.com](http://spxcooling.com).



Engineering Data and Specifications



IOM Manual

## OTHER SPX COOLING TECHNOLOGIES PRODUCTS

SPX Cooling Technologies offers a full line of industry leading products – with unmatched support and innovation designed to help you get the most out of your cooling process. Take a look at these other Marley products at [spxcooling.com](http://spxcooling.com).



Marley NC Cooling Tower



Marley MD Cooling Tower



Marley AV Series Cooling Tower



Marley MC Fluid Cooler

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