

/ Marley HP7000 Fan /



The Marley® HP7000™ fan is designed for industrial cooling tower applications, offering distinct advantages over other fan designs. The Marley FlareTip™ blade enhancement provides increased performance overcoming tip clearance losses—aiding the movement of air next to the fan cylinder.

The wide blade design is well suited for low noise operation, delivering superior air flow and pressure capability at reduced speed. The High Performance HP7000 airfoil is one of the most efficient in the industry today.

A nylon leading edge erosion barrier is molded into each blade to insure long service life.

The hollow blade is designed with a deep section airfoil making the HP7000 strong, yet light and easy to handle.

The skin of the HP7000 is made with top-quality fiberglass reinforced vinyl ester that is infused with pigment for even distribution across the laminate. There are multiple layers of surface veil on the blade surface leading to superior UV protection compared to fans with only a painted exterior.

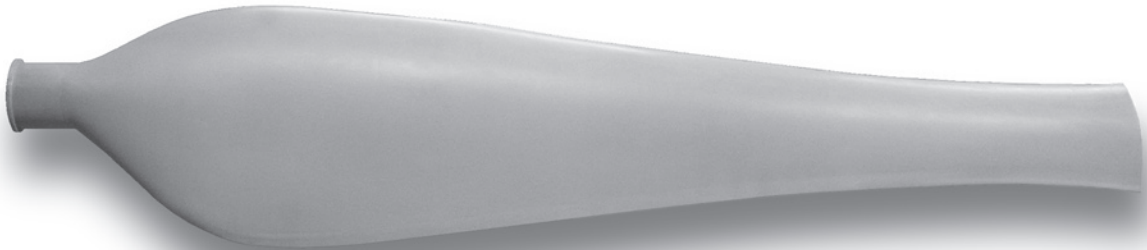
Constructed in one continuous piece, with a consistent moment weight, HP7000 blades are interchangeable without the need to rebalance the fan assembly.

Each blade is gripped between two machined clamps for attachment between dual hub plates. By loosening the attachment hardware, blades are easily rotated to achieve desired pitch delivering precise utilization of fan horsepower.

Superior strength, excellent quality, light weight and outstanding performance make the Marley HP7000 the fan of choice for today's cooling towers.



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■ **Single Piece Construction**— Each HP7000 blade is a single piece composite molding ensuring structural integrity. Unlike fan blades with bolted or glued connections between the blade shank and airfoil, HP7000 blades provide unobstructed distribution of load from shank to tip. The HP7000 blade handles the toughest cooling tower applications while reducing blade stress by 35%.

■ **Twisted Tapered Airfoil**— Aerodynamic design optimizes the performance characteristic of the HP7000 blade. To boost efficiency the HP7000 airfoil compensates for low tangential speed near the blade root with a wider chord and increased angle of attack. The twisted and tapered HP7000 airfoil delivers greater cooling tower capacity without the increased horsepower requirements of less efficient competitive blades.

■ **Heavy-duty Hub Assembly**— Marley HP7000 fans are designed for continuous duty in all cooling tower operating conditions. Available in diameters from 168" through 394" (10 meter), the HP7000 fans utilize a dual-plate hub assembly of heavy galvanized steel plates with epoxy coated cast iron blade clamps. All hub hardware is series 300 stainless steel. 316 stainless and monel hardware are available for more corrosive environments.

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