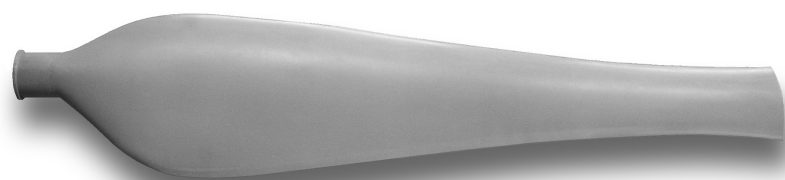


HP7000 FANS



THE COMPARISON

MARLEY® HP7000		HUDSON TUF-LITE
100% stainless steel hardware with galvanized hub plates and epoxy coated cast iron blade clamps standard	PREMIUM MATERIALS	Hudson Tuf-Lite II® uses galvanized steel hardware and aluminum* blade clamps standard**
3% more cooling capacity or 9% less power needed	PERFORMANCE (BASED ON ACTUAL TEST RESULTS)***	Hudson Tuf-Lite II is less efficient and needs more horsepower, this translates into increased energy costs (up to \$12,000 annually)
1250 lb	BUCKLING LOAD	Hudson Tuf-Lite III—850 lb Hudson Tuf-Lite II—900 lb Hudson Tuf-Lite I®—800 lb
36% larger shank diameter (HP7000 is 8-1/2") for superior strength – [Tested to withstand 73% greater shank bending resistance than Tuf-Lite II]	STRENGTH	Smaller shank diameter (Hudson Tuf-Lite II – 6-1/4")
Incorporates pigmented resin throughout the blade skin, along with multiple veil layers on both top and bottom surfaces for complete UV resistance	UV PROTECTION	Uses only paint for UV protection, which can flake off over time and expose the blade's structural fibers to harmful UV rays
Molded-in nylon barrier strip resulting in 75%† better erosion rate	EROSION RESISTANCE (BASED ON ACTUAL TEST RESULTS)	Hudson Tuf-Edge that is used in Tuf-Lite II and III blades has higher erosion rate

REFERENCE:

* Aluminum is considered unacceptable in many power, geothermal, and chemical processes

** Upgrading a Hudson Tuf-Lite II to iron clamps and stainless hardware to match Marley standards requires significant cost increases (\$2,800 per fan assembly—based on 336" diameter 8-blade Tuf-Lite III® pricing)

*** Based on test results comparing aerodynamic efficiency between the Marley HP7000 and Hudson Tuf-Lite II fans at SPX CT Development Center, as well as actual field application

† CTI TP97-06 Paper: The Influence of Materials of Construction on Leading Edge Erosion of Fiberglass Fan Blades Used on Cooling Towers