

ECODYNE

Cooling Tower Review



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Tuf-Lite III A New Standard of Fan Blades

Ecodyne Limited is pleased to introduce the newest standard in axial flow fans produced by Hudson Products. The **Tuf-Lite III** is the highest efficiency fan blade produced to date.

Tuf-Lite III is a refined and enhanced **one-piece** blade constructed from FRP combined with leading and trailing edge protection and superior UV protection. The blades are individually balanced, interchangeable and will install in current Hudson hub designs. **Tuf-Lite III** has been developed from the most severe strength-testing program to date. The new blade design was chosen to be compatible with a wide range of cooling tower applications requiring **high efficiency** with **reduced horsepower** requirements.

The **Tuf-Lite III** fan assembly is a mating of the state of the art **Tuf-Lite III** blade to the same hub and clamp mounting proven for its robustness, functionality and reliability in the **Tuf-Lite II** fan assembly.

Fan efficiency improvements are due to the wider chord of the **Tuf-Lite III** blade, unique shape at the root of the blade, the mating of the blade root to the seal disc further reducing recirculation and the cleaner aerodynamics of the one piece blade.

Corrosion / erosion resistance, durability, safety and efficient performance are a few of the characteristics that make Hudson's light-weight, precision balanced fans the worldwide symbol of excellence and superior quality.

For a quotation or additional information on the Tuf-Lite III fan contact Ecodyne Limited toll free at 1-888-Ecodyne or email us at mark.kerr@ecodyne.com



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**For After-Hours, Weekends and Holiday Emergency Service call us at 416-814-8294.
Website: www.ecodynecoolingtowers.com**

Cooling Tower Fan Blade Refurbishment

Fan blade refurbishment refers to modifications to worn or damaged fan blades including:

- Repainting the blade surface
- Adding resins to repair worn or eroded edges
- Installing rubber inserts on leading and trailing edges
- Adding weights to re-balance the repaired blade

Ecodyne Limited warns against fan blade refurbishments that are prone to failures resulting from:

- Simple resin repairs that camouflage the structural damage to the original fiberglass material
- Refurbishment resins that are not compatible with the blades original construction materials
- Re-balancing methods that are mismatched with the original manufacturing procedure of the blade

Ecodyne Limited strongly recommends the replacement of worn or damaged fan blades with new replacement blades to avoid the failures associated with rebuilt blades.

We are concerned that some users, with strict plant safety standards, still condone the practice of refurbishing fan blades. Ecodyne Limited, nor our fan manufacturer, support the after market modification to this equipment.

To discuss replacement of damaged or worn fiberglass fan blades, contact Ecodyne Limited toll free at 1-888-Ecodyne or email us at mark.kerr@ecodyne.com