

Alternative to Gear Drive System

Getting back to our roots as a Direct-Drive supplier, we now offer an alternative to Gear Drives on our RTG, RTGM and HFC-F Models, which previously were only available with Gear Drives.

The optional **Permanent Magnet Motors** are directly coupled to the fan assembly, once again offering the inherent advantages of direct-drive and eliminating the additional mechanical components, such as belts or Gear-reducers.



This option is
available for the
following models:

RTG

RTGM

HFC-F

From 20 HP and up



BENEFITS OF THE PERMANENT MAGNET MOTOR

Minimum Maintenance Cost

The fan couples directly to the motor and eliminates the cost and maintenance required for traditional gearbox or belted solutions.

Improved Reliability

Eliminates misalignment issues reducing unplanned downtime.

Low Sound by design

RTG, RTGM and HFC-F models offer low sound by design.

DRIVE SYSTEM RETROFITS

The optional permanent magnet motor is not just for new installations, you can **upgrade** your existing cooling towers with a standard gear drive system to a direct drive system.

This retrofit allows **reduced maintenance** by eliminating the coupling and gearbox because there are fewer components in the system to align and maintain.

Standard Gear Drive System



Optional Direct Drive System



Cooling Towers with this optional motor are also CTI certified.



MOTOR

- Premium efficiency.
- Rotor magnetization by permanent magnets.
- Severe Duty.
- Marine Duty.
- Inverter Rated.
- 100% cast iron construction.
- Inpro/Seal VBX bearing isolator for added protection.
- Epoxy coated (internal and external).



The Permanent Magnet Motor is warranted for 5 years.

VFD

- Permanent magnet (PM) motors must be operated by the VFD (Variable Frequency Drive) **included in the PM motor package.**

Contact REYMSA for more info about this option