

NO MORE FAN COUPLING ON COOLING TOWERS



SUPPORT PRODUIT

A solution which secures the installation and reduces maintenance cost, 2 years guaranty

Permanent magnets motors :

Situation

The coupling system of motor to fan (belts and gear box) requires a drastic care for the good cooling of a process, particularly if they are located in the wet airflow.

The elimination of these critical parts decreases costs and maintenance operations while securing the reliability of the equipment.

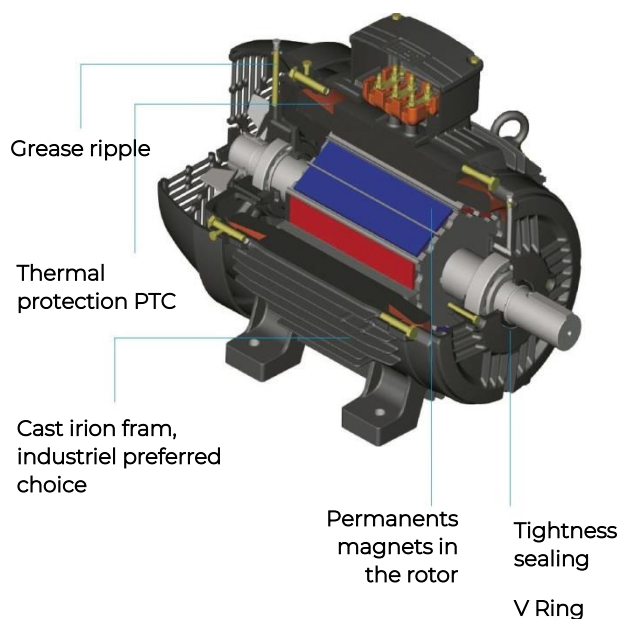
Solution

Replacement of gear box or belts by a permanent-magnet motor reduces significantly maintenance costs and handling operations.

Besides, this new generation of motors coupled with their frequency converters guarantees a much higher efficiency compared with asynchronous motors (minimum 3 %).

Technical specifications

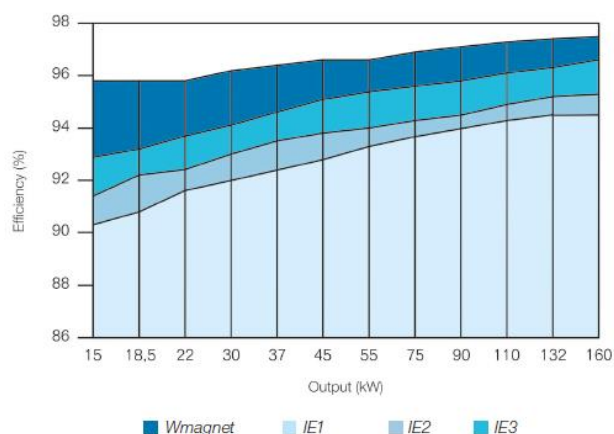
- ∞ Integrated frequency drive
- ∞ Tropicalized motor
- ∞ IP 56



Applications

- Installation on new cooling towers
- Standard exchange on already built-in cooling towers
- Adaptation to the hub of the existing fan
- Turnkey service

Efficiency for 400 V - Europe - 3000 rpm



Benefits

- ∞ Higher energy performance
- ∞ Zero maintenance (except bearings)
- ∞ No belts adjustment,
- ∞ No shaft alignment,
- ∞ No maintenance / drain of gear box
- ∞ Lower noise level



Communication protocols

- ∞ BACnet
- ∞ Metasys N2
- ∞ LonWorks
- ∞ Modbus-TCP
- ∞ DeviceNet
- ∞ EtherNet/IP
- ∞ PROFIBUS-DP
- ∞ LonWorks

