

SAMINCO

ELECTRIC TRACTION DRIVES

MEDIUM VOLTAGE MOTORS



Up to 15,000 kW / Up to 13.2 kV (50/60Hz)
TEFC, TEAAC, TEAO, ODP, WPI, WP11,
Available in Water-Cooled, Pipe-Ventilated,
and Explosion-Proof
IEC & NEMA
Class F or H



MEDIUM VOLTAGE MOTORS



◀ **TOTALLY ENCLOSED FAN COOLED**

A cast iron, finned housing in this design cools by conduction of the internal heat to the external fins. It uses an external, shaft-mounted cooling fan, which blows ambient air over the motor surface.



◀ **OPEN DRIP PROOF**

Suitable for most indoor installations, these motors are best suited for clean and dry industrial environments.

EXPLOSION PROOF

This enclosure is a specially designed TEFC motor, constructed to withstand an internal explosion of a specified gas, vapor or material.



◀ **TOTALLY ENCLOSED PIPE COOLED**

Motors with this type of enclosure are designed so that air circulating through the motor is provided by means external to the motor.

WATER COOLED

This design uses water as the cooling medium. Water flows through a Water-to-Air heat exchanger, effectively cooling the air passing over its surface. This construction provides a design that is much quieter than a Totally Enclosed Air-to Air cooled motor.



◀ **WEATHER PROTECTED TYPE I**

WEATHER PROTECTED TYPE II ▶

Rather than taking the air directly inside the motor's housing, the WPII design uses a top bonnet air duct. This top bonnet routes the air through three 90 turns, and through a low velocity chamber as pre-scribed by NEMA.



Up to 15,000 kW / 2.3 to 13.2 kV (50/60Hz)

OTHER PRODUCTS AVAILABLE FROM SAMINCO INC.

- Starter Boxes
- 2.3kV - 15kV Soft Starter Packages
- Synchronous Motor Starters
- Wound Rotor Starters
- Load Break Switch Controls
- VFD Ventilation Systems
- VFD Pump Systems
- VFD / 230 to 4160V / 1 - 10,000 HP
- DC Drives / 230 to 690V / 5 to 2,000 HP

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