

TOSHIBA

Leading Innovation >>>



Toshiba's Open Drip-Proof (ODP) Dry Kiln motor series is specifically designed for the harshest dry kiln environments.

In response to the lumber industry's increased drying temperatures, Toshiba's ODP product line incorporates a new and improved insulation system, allowing for the motor to run in higher ambient temperatures (115° and 135°C) for faster processing time and providing the use of adjustable speed drives (ASDs) for higher operating efficiency. Designed for the harsh internal environment of lumber drying kilns, the motor's corrosion resistance and high structural rigidity allow for exceptional performance in any dry kiln environment with high ambient temperatures, high humidity, and chemicals.

Horsepower	5 to 25 HP
Speed (60 Hz)	1200 or 900 RPM
Voltage (60 Hz)	460 V
Enclosure	Open Drip Proof
Frame Size	215T through 365T
Protection	IP22
Construction	Cast Iron Frame & Brackets
Insulation	Class H Insulation System, Exceeds NEMA MG1 Part 31 (Inverter Duty)
Vibration	Typically 0.12 Inches/Second or Less (Unfiltered)

- NEMA Premium Efficiency
- Cast Iron Construction
- Suitable for Use with an Inverter
- Designs Available for 115° & 135°C Ambient Temperatures
- Corrosion Resistant Epoxy Paint System
- 1.15 SF for 115°C Ambient Designs



ODP DRY KILN
LOW VOLTAGE MOTOR
KILN DUTY





BUILT FOR LUMBER & CERAMIC APPLICATIONS



Nameplate

- Stainless Steel
- Etched Lettering



Construction

- ASTM Grade 25 Cast Iron Frame & Bearing Brackets
- NEMA Design B
- Special Windings for High Humidity & Corrosive Atmospheres
- 115° & 135°C Designs
- Epoxy Paint System



Conduit Box

- Steel Construction
- Provision for Grounding
- Terminal Lugs on 280 Frame & Larger
- Rotatable (90°)



Bearing System

- Oversized Bearings
- Regreasable on All Frames
- Ball Bearings on All Frames
- Dow Corning 44 High-Temperature Grease



Insulation System

- Exceeds NEMA MG1 Part 31 Requirements (Inverter Duty)
- Additional Coating Applied to the Rotor and Stator Machined Surface
- H Class Insulation System Including Epoxy Varnish
- Additional Insulating Varnish Applied to Winding End Turns
- 8 Foot Lead Cable Length



Testing

- 100% No-Load Commercial Test per IEEE 112 on All Motors

