

TECO Open Drip Proof - TECO Electric Motors Australia and New Zealand

Canonical: <https://electricmotors.teco.com.au/product/open-drip-proof/>

Details:

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TECO Open Drip Proof

TECO Open Drip Proof motors are specifically designed to meet the unique needs of each customer. These motors offer great flexibility in design and high efficiency, making them the ideal choice for various industries such as mining, oil & gas, petrochemical, pulp and paper, electric utilities, water & waste, marine, and steel.

TECO Crown Series: Durable and Flexible

Within the TECO ODP motor lineup, the Crown Series stands out for its durability and design flexibility. These motors can easily adapt to meet mechanical and electrical requirements and are suitable for replacing existing machines in various applications. The Crown Series complies with international standards, integrates advanced insulation technology, and is optimized for variable speed control.

Enhanced Performance and Cost Efficiency

Crown Series motors excel in delivering cost-effective and standardised designs with short lead times. They enhance safety, productivity, energy efficiency, and reliability, suiting both simple and complex applications. With its great design and versatility to meet mechanical, electrical design the TECO ODP Crown Series also be a drop and replacement machine for any existing application. Crown Series complies with all relevant international standards, incorporate the latest advances in insulation materials and are optimized for variable speed control.

ODP Motors: Compact and Efficient

ODP Motors are highly efficient, providing reliable performance while consuming less energy. They are ideal for applications such as HVAC systems, pumps, fans, and compressors . With their compact design and enhanced efficiency, TECO ODP Motors offer a cost-effective solution for various industries. Whether it's reducing space constraints or improving energy savings, ODP Motors are a reliable choice.

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ODP Motors, designed for indoor use or situations where motor size reduction is essential, these are typically one or two frames smaller than the comparative fully enclosed motors. This not only minimizes the motor's footprint but also reduces weight, cost and installation cost being more compact to install.

Explore our other medium and high voltage motors .

Download Brochure CONTACT US Product Overview Option Available Brochures Manuals

Product Overview	
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Output	300 up to 15,000kW
Number of Poles:	2 to 12
Cooling method:	Open self-ventilated
Degree of Protection:	IP20 to IP24
Frames:	355 up to 1000
Ambient temperature:	40 °C
Elevation:	1000m above sea level
Service factor:	1.0 @ 40 deg C ambient
Mounting:	IM1001
Voltages:	Up to 13,800V
Insulation Class:	“F” insulation ($\Delta T = 80K$)
Continuous duty:	S1
Design:	N
Thermal protection:	As per customer specification
Bearings:	Anti-friction Bearings , Sleeve bearings
Frame Material:	Fabricated Steel
Color:	As per customer specification

Altitude above 1000 m (on request)

Rotor Material: Choose from Aluminium, copper, or brass rotor options, depending on the starting torque requirement of the application.

Ambient temperature above 40 °C

Base: rail, sliding base, extended feet, rebuilt feet, anchorage plate

Bearing thermometer with gauge with/without contacts

Cable gland in the terminal box entrance

Insulation Class: Upgrade to Class “H” insulation rated at 180°C.

Cooling: Forced ventilated, Self-ventilated by ducts, Air-to-water heat exchanger, WPI & WPII

Current Transformers (CT) for Differential and Integral Protection: Configure for specific protection needs.

Electrically Insulated Bearing: For enhanced safety and performance for both DOL & VVVF Drive Applications.

Encoder: Supply incremental or absolute encoder for precise speed monitoring and speed control feedback.

Grounding Brush: Equipped on the drive end shaft for improved earthing of the rotor circuit.

Independent Hydraulic Oil Circulation System: Available for forced cooled sleeve bearings.

Mounting Options: Includes vertical, horizontal, foot and flange, and NEMA standard mounting configurations.

NEMA Standard meeting overseas project requirements.

Noise Suppression: Installed at the air inlet and outlet for overall reduced noise levels.

Non-Rotational Reverse Ratchet: Enhances safety of operation.

Multiple Accessory Terminal Boxes: Customized to suit your specific requirements.

Surge Capacitors & Lightning Arrestors: Available for enhanced incoming supply protection to windings.

Service Factor: Rated for 1.10, 1.15 or 1.20 for extended performance.

Shaft Options: Choose from special dimensions, double shaft ends, tapered shafts, hollow shafts, and specialty steel shafts.

Signal Transducer: For monitoring and control purposes.

Sleeve Bearing: Available for specific applications.

Special Balance: Customized for precise applications.

Special Bearings: To accommodate axial or radial thrust.

Special Painting Plan: Tailored to your preferences.

Oversized Steel Welded Terminal Box: Available in various sizes and designs based on internal space.

Air Insulated Primary Terminal Boxes with phase segregated as an option.

Temperature Detectors: Choose from thermistors (PTC or NTC) and thermostats (Bimetallic).

Temperature Detectors: Resistance Temperature Devices (RTD) for winding and bearing temperature monitoring.

Anti Condensation Heaters can be installed for dormant periods to keep the motor internals above dew point.

Two terminal boxes can be provided and supplied as a primary & a neutral box for full interchangeability to suit the specific application, also allows for consolidation of spares when different handings are present.

VFD Application: Compatible with variable frequency drive applications, including the TECO High Voltage MV510 series drive.

Vibration Detector: Enhances monitoring and predictive maintenance, studs, platforms, or devices can be provided.

Smart motor IOT 4.0: Suitable for the TECO series of smart motor devices that monitors vibration and motor temperatures.

TECO Large Motors and Drives Brochure

Teco-Manual-REV07

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