
DYNAMATIC® SPECIALTY HIGH SPEED MOTORS

DSI/Dynamatic has designed and manufactured specialty AC Induction Motors since 1965. Whether your application is for high torque or high speed, Dynamatic® can provide the unique AC Motor that will meet your needs. When these squirrel cage AC Motors are used with a state-of-the-art vector inverter, they can meet the most demanding applications

Many of today's high performance test stand or dynamometer applications require speeds exceeding 20,000 RPM. Dynamatic® designs accommodate pressurized lubrication systems, special bearings and precision balancing which provide continuous operation at these high speeds. A trunnion mounted motor (with a load cell) or foot mounted motor (with an in-line-shaft torque transducer) may be used to indicate the developed torque.

Dynamatic® AC Motors can be designed and manufactured to meet a variety of demanding application conditions. Many variations of open drip proof, totally enclosed liquid and blower cooled motors are available. Various motor winding protection and insulation classes may also be used in severe conditions. The options are available for all frame sizes up to 500T.

INVERTER DUTY MOTORS SUITABLE FOR HIGH SPEED TEST STANDS

Speed Range	50 to 22,000 RMP
Torque Range	Up to 2,400 Ft-Lb (3260 NM)
Horsepower	30 to 1,000 HP (22 to 750 KW)
Voltage	230, 380, 460, 580 VAC
Frame Sizes	254T to 500T
Frame Types	ODP, TEFC, TELC
Mounting	Foot, Flange, Trunnion

MECHANICAL SPECIFICATIONS

Open Drip Proof • TEFC • Blower Cooled • TELC: Liquid Cooled
Mounting Direction: Horizontal, Vertical, Specify
Mounting: Foot, Trunnion, Flange: C, D or P-Flange and/or Custom Flange
Lubrication: Grease, Oil Mist, Oil/Air, Oil Re-Circulation
Cooling: Air, Liquid, Blower, Air-Over
Thermal Protections: Winding RTDs, Thermo-Couples and Bearing RTDs

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ELECTRICAL SPECIFICATIONS

Voltages: 208, 230, 380, 460, 575, Specify

Cycle: 50 or 60 Hz.

Insulation Class: F, H

Optional Encoder: 512, 1024, PPR, Specify

CSA Approved, NEMA Frame

- Contact DSI/Dynamatic® to discuss your particular AC Motor application. Our motor design group can design a motor to meet your constant torque and/or constant horsepower requirements.
- DSI/Dynamatic® offers exclusive warranties on Motor Inverter Packages allowing you a total solution from one reliable source.

Drive Source International, Inc.



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