

Small RPM AC Inverter Duty Totally Enclosed - IP44, Washdown - IP55

APPLICATION INFORMATION

For variable speed 1000:1 constant torque applications

ELECTRICAL CHARACTERISTICS

Phase:	3
Frequency:	60 Hz
Ambient:	40° C
Service Factor:	1
Duty Cycle:	Continuous
Insulation:	Class F
Temp. Rise:	Class B

DEFINITIONS

These motors have a special inverter duty design not covered by EPEL efficiency levels.

Warranty (From Date of Manufacture / From Date of Installation): (24/12)

Nameplate Agency Approvals: CE, CSA, UR

CONSTRUCTION FEATURES

56 - 180T Frames IP44

- **Materials** – Steel frame and conduit box (56 frames). Aluminum frame and conduit box (140 - 180 frames). End shields are aluminum.
- **Conduit Box** – Oversized, top mounted with F1 & F2 lead outlets
- **Bearing Type** – Double shielded ball – Permanently lubricated
- **Bearing Protection** – None
- **Shaft Material** – High strength carbon steel
- **Nameplate Material** – Adhesive Mylar
- **Drain Type & Location** – Weep holes in both end shields
- **Additional Features** – Includes 3 NC thermostats, provisions for hollow shaft encoder mounting, laboratory balance and Reliance blue-green epoxy paint

56T - 180T Frames IP55

- **Materials** – Steel frame (56 frames). Aluminum frame (140 - 180 frames). Conduit box is cast aluminum. End shields are aluminum.
- **Conduit Box** – Oversized, top mounted with F1 & F2 lead outlets
- **Bearing Type** – Double sealed ball
- **Bearing Protection** – Lip seal
- **Shaft Material** – 300 Stainless steel
- **Nameplate Material** – Adhesive Mylar
- **Drain Type & Location** – T-drains
- **Additional Features** – Includes 3 NC thermostats, provisions for hollow shaft encoder mounting, laboratory balance and Reliance blue-green epoxy paint