

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code :

14412142

Catalog # :

25015EP3OFP449TS-W22

Frame : 447/9TS
Output : 250 HP (185 kW)
Poles : 4
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 339 A
L. R. Amperes : 1865 A
LRC : 5.5x(Code E)
No load current : 91.0 A
Rated speed : 1475 rpm
Slip : 1.67 %
Rated torque : 890 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 210 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 112 sq.ft.lb
Design : B

Locked rotor time : 46s (cold) 26s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 69.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 2800 lb

| Output | 25% | 50% | 75% | 100% | |
|----------------|-------|------|------|------|------|
| Efficiency (%) | 0.000 | 95.4 | 95.4 | 95.4 | 95.4 |
| Power Factor | 0.00 | 0.00 | 0.81 | 0.77 | 0.85 |

Foundation loads
Max. traction : 4512 lb
Max. compression : 7312 lb

| | Drive end | Non drive end |
|----------------------|------------------|---------------|
| Bearing type | 6314 C3 | 6314 C3 |
| Sealing | WSeal | WSeal |
| Lubrication interval | 14000 h | 14000 h |
| Lubricant amount | 27 g | 27 g |
| Lubricant type | Mobil Polyrex EM | |

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|---------------|---------|------|
| | | | | |
| Performed by | | Page 1 / 1 | | |
| Checked by | | | | |
| Date | 26/03/2024 | | | |
| | | Revision | | |