

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code :

12407800

Catalog # :

02536OP3VFP256TC

Frame : 256TC
Output : 25 HP (18.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 200/400 V
Rated current : 67.4/33.7 A
L. R. Amperes : 404/202 A
LRC : 6.0x(Code G)
No load current : 21.6/10.8 A
Rated speed : 3530 rpm
Slip : 1.94 %
Rated torque : 37.2 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.9774 sq.ft.lb
Design : B

Locked rotor time : 18s (cold) 10s (hot)
Temperature rise : 105 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP23
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 67.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 231 lb

| Output | 25% | 50% | 75% | 100% |
|----------------|------|------|------|------|
| Efficiency (%) | 90.0 | 90.2 | 91.0 | 91.0 |
| Power Factor | 0.51 | 0.76 | 0.84 | 0.87 |

Foundation loads
Max. traction : 330 lb
Max. compression : 561 lb

| | Drive end | Non drive end |
|------------------------|----------------------|----------------------|
| Bearing type : | 6309 Z C3 | 6209 Z C3 |
| Sealing : | Without Bearing Seal | Without Bearing Seal |
| Lubrication interval : | 20000 h | 20000 h |
| Lubricant amount : | 13 g | 9 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 | 30/03/2024 | | | |
| | | Revision | | |