

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13312539

Catalog # : 01036ET3H215JM-S

Frame : 213/5JM
Output : 10 HP (7.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 9.20 A
L. R. Amperes : 69.0 A
LRC : 7.5x(Code H)
No load current : 3.01 A
Rated speed : 3530 rpm
Slip : 1.94 %
Rated torque : 14.9 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.7188 sq.ft.lb
Design : B

Locked rotor time : 21s (cold) 12s (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 : 70.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 164 lb

| Output | 25% | 50% | 75% | 100% |
|----------------|------|------|------|------|
| Efficiency (%) | 89.3 | 89.5 | 90.2 | 90.2 |
| Power Factor | 0.53 | 0.80 | 0.88 | 0.91 |

Foundation loads
Max. traction : 169 lb
Max. compression : 334 lb

| | Drive end | Non drive end |
|----------------------|------------------|---------------|
| Bearing type | 6209 ZZ | 6206 ZZ |
| Sealing | V'Ring | V'Ring |
| Lubrication interval | - | - |
| Lubricant amount | - | - |
| 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 | 29/03/2024 | | | |
| | | Revision | | |