

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium Efficiency  
Three-Phase

Product code : 14836812

Catalog # : 07518OT3V365JPV-W40

Frame : 364/5JP  
Output : 75 HP (55 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 200/400 V  
Rated current : 197/98.3 A  
L. R. Amperes : 1337/669 A  
LRC : 6.8x(Code G)  
No load current : 70.2/35.1 A  
Rated speed : 1780 rpm  
Slip : 1.11 %  
Rated torque : 221 ft.lb  
Locked rotor torque : 220 %  
Breakdown torque : 260 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 16.8 sq.ft.lb  
Design : B

Locked rotor time : 25s (cold) 14s (hot)  
Temperature rise : 80 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 : W-6  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 69.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 780 lb

| Output | 25% | 50% | 75% | 100% |
|--------|-----|-----|-----|------|
|--------|-----|-----|-----|------|

|                |      |      |      |      |
|----------------|------|------|------|------|
| Efficiency (%) | 94.4 | 94.5 | 95.0 | 95.0 |
| Power Factor   | 0.48 | 0.73 | 0.82 | 0.85 |

Foundation loads

Max. traction : 1581 lb  
Max. compression : 2362 lb

|                      | Drive end            | Non drive end        |
|----------------------|----------------------|----------------------|
| Bearing type         | 6314 C3              | 6212 Z C3            |
| Sealing              | Without Bearing Seal | Without Bearing Seal |
| Lubrication interval | 19579 h              | 20000 h              |
| Lubricant amount     | 27 g                 | 13 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<br>1 / 1 |         |      |
| Checked by   |                 |               |         |      |
| Date         | 30/03/2024      |               |         |      |
|              |                 | Revision      |         |      |