

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General NEMA Premium Efficiency Three-Phase

Product code : 11012063

Catalog # : 00518OT3P184TF3

Frame : 184T  
Output : 5 HP (3.7 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 200 V  
Rated current : 14.9 A  
L. R. Amperes : 109 A  
LRC : 7.3x(Code J)  
No load current : 7.82 A  
Rated speed : 1755 rpm  
Slip : 2.50 %  
Rated torque : 15.0 ft.lb  
Locked rotor torque : 210 %  
Breakdown torque : 290 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.3495 sq.ft.lb  
Design : B

Locked rotor time : 21s (cold) 12s (hot)  
Temperature rise : 105 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP21  
Cooling method : IC01 - ODP  
Mounting : F-3  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 55.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 68.3 lb

Output 25% 50% 75% 100%

Efficiency (%) 88.2 88.5 89.5 89.5  
Power Factor 0.35 0.59 0.72 0.80

Foundation loads

Max. traction : 243 lb  
Max. compression : 311 lb

|                        | Drive end            | Non drive end        |
|------------------------|----------------------|----------------------|
| Bearing type :         | 6206 ZZ              | 6205 ZZ              |
| Sealing :              | Without Bearing Seal | Without Bearing Seal |
| 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 Revision<br>1 / 1 |         |      |
| Checked by   |                 |                        |         |      |
| Date         | 25/03/2024      |                        |         |      |