

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium  
Efficiency Three-Phase

Product code : 12750578

Catalog # : 00736OT3H184T-S

Frame : 182/4T  
Output : 7.5 HP (5.5 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 7.18 A  
L. R. Amperes : 53.1 A  
LRC : 7.4x(Code H)  
No load current : 3.12 A  
Rated speed : 3500 rpm  
Slip : 2.78 %  
Rated torque : 11.3 ft.lb  
Locked rotor torque : 200 %  
Breakdown torque : 300 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.1818 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.  
Cooling method : IC01 - ODP  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 65.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 61.1 lb

Output 25% 50% 75% 100%

Efficiency (%) 88.3 88.5 88.5 88.5  
Power Factor 0.44 0.72 0.82 0.87

Foundation loads

Max. traction : 185 lb  
Max. compression : 246 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         | 22/10/2025      |                        |         |      |