

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 15110002  
Catalog # : 00336OS1C184T-S

|                       |                   |                             |                        |
|-----------------------|-------------------|-----------------------------|------------------------|
| Frame                 | : 182/4T          | Locked rotor time           | : 23s (cold) 13s (hot) |
| Output                | : 3 HP (2.2 kW)   | Temperature rise            | : 80 K                 |
| Poles                 | : 2               | Duty cycle                  | : Cont.(S1)            |
| Frequency             | : 60 Hz           | Ambient temperature         | : -20°C to +40°C       |
| Rated voltage         | : 208-230 V       | Altitude                    | : 1000 m.a.s.l.        |
| Rated current         | : 14.3-12.4 A     | Cooling method              | : IC01 - ODP           |
| L. R. Amperes         | : 87.2-75.6 A     | Mounting                    | : F-1                  |
| LRC                   | : 6.1x(Code G)    | Rotation <sup>1</sup>       | : Both (CW and CCW)    |
| No load current       | : 2.25-2.60 A     | Starting method             | : Direct On Line       |
| Rated speed           | : 3470 rpm        | Approx. weight <sup>3</sup> | : 59.5 lb              |
| Slip                  | : 3.61 %          |                             |                        |
| Rated torque          | : 4.54 ft.lb      |                             |                        |
| Locked rotor torque   | : 185 %           |                             |                        |
| Breakdown torque      | : 195 %           |                             |                        |
| Insulation class      | : F               |                             |                        |
| Service factor        | : 1.15            |                             |                        |
| Moment of inertia (J) | : 0.1305 sq.ft.lb |                             |                        |
| Design                | : L               |                             |                        |

|                |       |      |      |      |                  |         |
|----------------|-------|------|------|------|------------------|---------|
| Output         | 25%   | 50%  | 75%  | 100% | Foundation loads |         |
| Efficiency (%) | 0.000 | 80.1 | 82.4 | 81.5 | Max. traction    | : 26 lb |
| Power Factor   | 0.00  | 0.92 | 0.95 | 0.95 | Max. compression | : 86 lb |

|                      | Drive end              | Non drive end          |
|----------------------|------------------------|------------------------|
| Bearing type         | : 6206 ZZ              | : 6205 ZZ              |
| Sealing              | : Without Bearing Seal | : Without Bearing Seal |
| Lubrication interval | : 0 h                  | : 0 h                  |
| Lubricant amount     | : 0 g                  | : 0 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<br>Revision |         |      |
| Checked by   |                 |                           |         |      |
| Date         | 26/03/2024      |                           |         |      |