

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer

Product line : Special Motor

|                       |                     |                             |                          |
|-----------------------|---------------------|-----------------------------|--------------------------|
| Frame                 | : 56C               | Locked rotor time           | : 15 s (hot) 27 s (cold) |
| Output                | : 0.75 HP (0.55 kW) | Duty cycle                  | : S1                     |
| Poles                 | : 6                 | Ambient temperature         | : -20 °C to +40 °C       |
| Frequency             | : 60 Hz             | Altitude                    | : 1000 m.a.s.l           |
| Rated voltage         | : 115/230 V         | Protection degree           | : IP55                   |
| Rated current         | : 7.80/3.90 A       | Cooling method              | : IC411 - TEFC           |
| L. R. Amperes         | : 45.9/23.0 A       | Mounting                    | : F-1/B14R(D)            |
| LRC                   | : 5.9 Code H        | Rotation <sup>1</sup>       | : Both                   |
| No load current       | : 4.20/2.10 A       | Noise level <sup>2</sup>    | : 54 dB(A)               |
| Rated speed           | : 1170 rpm          | Starting method             | : Direct On Line         |
| Slip                  | : 2.50 %            | Approx. weight <sup>3</sup> | : 35.3 lb                |
| Rated torque          | : 3.36 ft.lb        | Design                      | : L                      |
| Locked rotor torque   | : 220 %             |                             |                          |
| Pull up torque        | : 185 %             |                             |                          |
| Breakdown torque      | : 235 %             |                             |                          |
| Insulation class      | : F                 |                             |                          |
| Service factor        | : 1.15              |                             |                          |
| Moment of inertia (J) | : 0.159 sq.ft.lb    |                             |                          |

|                |       |      |      |      |                                     |     |
|----------------|-------|------|------|------|-------------------------------------|-----|
| Output         | Start | 50%  | 75%  | 100% | Load type                           | : - |
| Efficiency (%) | -     | 67.0 | 74.0 | 75.5 | Load torque                         | : - |
| Power Factor   | 0.78  | 0.66 | 0.76 | 0.81 | Load inertia (J=GD <sup>2</sup> /4) | : - |

|                      |                  |               |                  |
|----------------------|------------------|---------------|------------------|
| Bearing type         | Drive end        | Non drive end | Foundation loads |
| Lubrication interval | 6203-ZZ          | 6202-ZZ       | Max. traction    |
| Lubricant amount     | -                | -             | Max. compression |
| Lubricant type       | MOBIL POLYREX EM |               |                  |

Notes:

|           |               |                 |           |                 |
|-----------|---------------|-----------------|-----------|-----------------|
| Standards | Specification | : MG1 - Part 10 | Vibration | :               |
|           | Test          | : MG1 - Part 12 | Tolerance | : MG1 - Part 12 |
|           | Noise         | : MG1 - Part 9  |           |                 |

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 be changed 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 1-12.

| Rev.         | Changes Summary | Performed | Checked | Date        |
|--------------|-----------------|-----------|---------|-------------|
|              |                 |           |         | 26/06/2026  |
| Performed by | espinosaa       |           |         | 191743/2026 |
| Checked by   | fmonroy         |           |         | Page        |
| Date         | 25/06/2026      |           |         | Revision    |
|              |                 |           |         | 1/1         |
|              |                 |           |         | 0           |

