

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00022 Single-Phase Product code : 19226131

|                       |                           |                             |                        |
|-----------------------|---------------------------|-----------------------------|------------------------|
| Frame                 | : W56C                    | Locked rotor time           | : 18s (cold) 10s (hot) |
| Output                | : 0.5 HP (0.37 kW)        | Temperature rise            | : 80 K                 |
| Frequency             | : 60 Hz                   | Duty cycle                  | : Cont.(S1)            |
| Rated voltage         | : 115/230 V               | Ambient temperature         | : -20°C to +40°C       |
| Poles                 | : 4                       | Altitude                    | : 1000 m.a.s.l.        |
| Rated current         | : 8.00/4.00 A             | Protection degree           | : IP55                 |
|                       | : 5.7x(Code M)            | Cooling method              | : IC411 - TEFC         |
| Rated speed           | : 1730 rpm                | Mounting                    | : F-1                  |
| Rated torque          | : 0.210 kgfm              | Rotation <sup>1</sup>       | : Both (CW and CCW)    |
| Insulation class      | : F                       | Noise level <sup>2</sup>    | : 52.0 dB(A)           |
| Service factor        | : 1.15                    | Starting method             | : Direct On Line       |
| Moment of inertia (J) | : 0.0020 kgm <sup>2</sup> | Approx. weight <sup>3</sup> | : 0.0 kg               |
| Design                | : N                       |                             |                        |

|                |      |      |      |                           |
|----------------|------|------|------|---------------------------|
| Output         | 50%  | 75%  | 100% | Foundation loads          |
| Efficiency (%) | 52.0 | 59.0 | 64.0 | Max. traction : 13 kgf    |
| Power Factor   | 0.44 | 0.54 | 0.63 | Max. compression : 22 kgf |

|                      |   |                  |                      |
|----------------------|---|------------------|----------------------|
|                      |   | <u>Drive end</u> | <u>Non drive end</u> |
| Bearing type         | : | 6203 ZZ          | 6202 ZZ              |
| Sealing              | : | V'Ring           | 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<br>1 / 2<br>Revision |         |      |
| Checked by   |                 |                           |         |      |
| Date         | 26/03/2026      |                           |         |      |

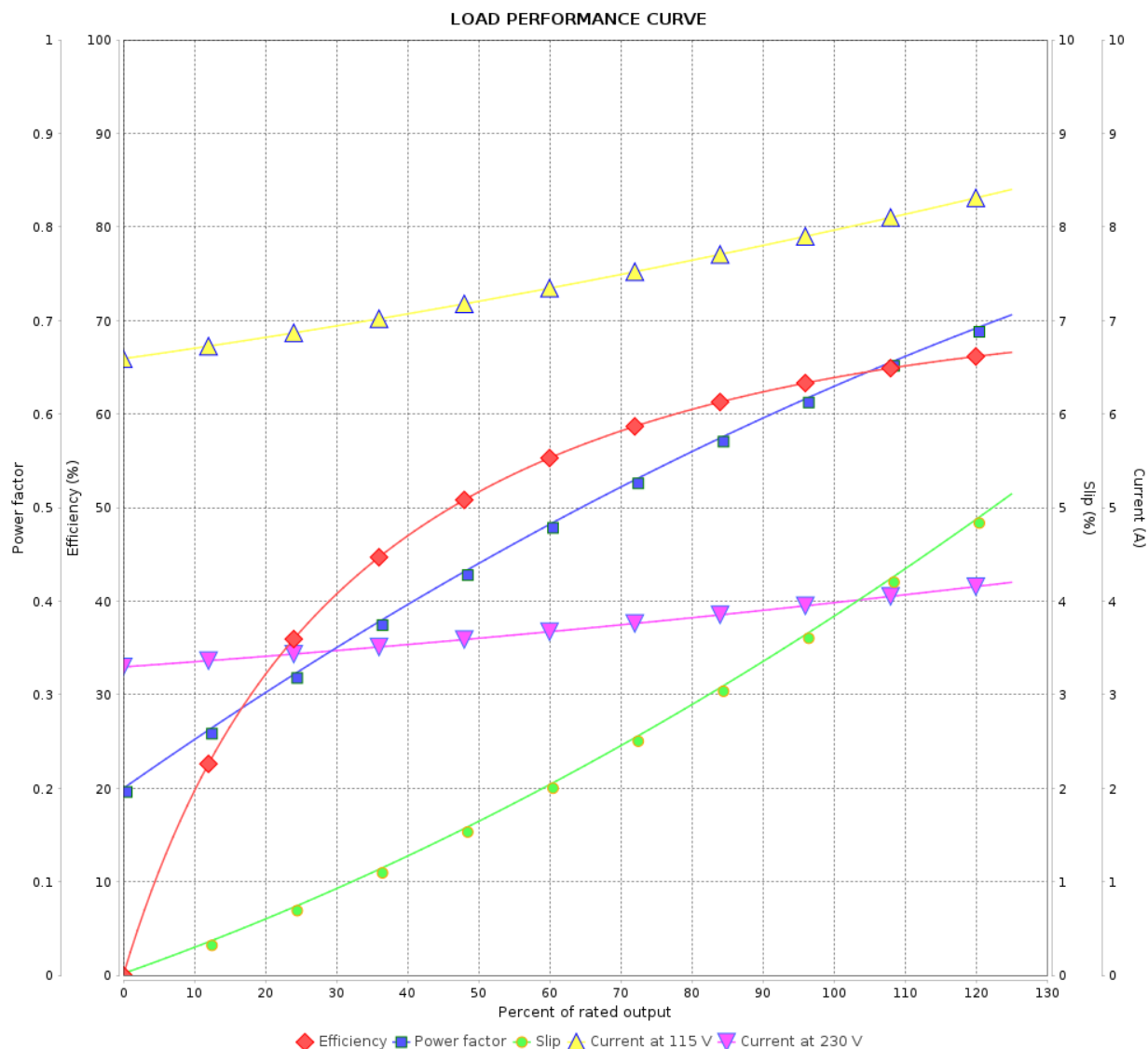
# LOAD PERFORMANCE CURVE

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