

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 18970856

|                       |                           |                             |                       |
|-----------------------|---------------------------|-----------------------------|-----------------------|
| Frame                 | : 213/5T                  | Locked rotor time           | : 10s (cold) 6s (hot) |
| Output                | : 7.5 HP (5.5 kW)         | Temperature rise            | : 80 K                |
| Frequency             | : 60 Hz                   | Duty cycle                  | : Cont.(S1)           |
| Rated voltage         | : 208-230 V               | Ambient temperature         | : -20°C to +40°C      |
| Poles                 | : 4                       | Altitude                    | : 1000 m.a.s.l.       |
| Rated current         | : 33.0-31.7 A             | Protection degree           | : IP55                |
|                       | : 7.7x(Code J)            | Cooling method              | : IC411 - TEFC        |
| Rated speed           | : 1750 rpm                | Mounting                    | : F-1                 |
| Rated torque          | : 3.11 kgfm               | Rotation <sup>1</sup>       | : Both (CW and CCW)   |
| Insulation class      | : F                       | Noise level <sup>2</sup>    | : 63.0 dB(A)          |
| Service factor        | : 1.15                    | Starting method             | : Direct On Line      |
| Moment of inertia (J) | : 0.0457 kgm <sup>2</sup> | Approx. weight <sup>3</sup> | : 81.5 kg             |

|                |      |      |      |                  |           |
|----------------|------|------|------|------------------|-----------|
| Output         | 50%  | 75%  | 100% | Foundation loads |           |
| Efficiency (%) | 75.6 | 81.0 | 83.0 | Max. traction    | : 109 kgf |
| Power Factor   | 0.82 | 0.88 | 0.91 | Max. compression | : 190 kgf |

|                      |   | <u>Drive end</u> | <u>Non drive end</u> |
|----------------------|---|------------------|----------------------|
| Bearing type         | : | 6308 ZZ          | 6206 ZZ              |
| Sealing              | : | V'Ring           | V'Ring               |
| Lubrication interval | : | -                | -                    |
| Lubricant amount     | : | -                | -                    |
| Lubricant type       | : |                  |                      |
|                      |   | 00088            |                      |

### 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 |                 |           |         |      |
| Checked by   |                 |           |         |      |
| Date         | 29/05/2026      |           |         |      |

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Revision

# LOAD PERFORMANCE CURVE

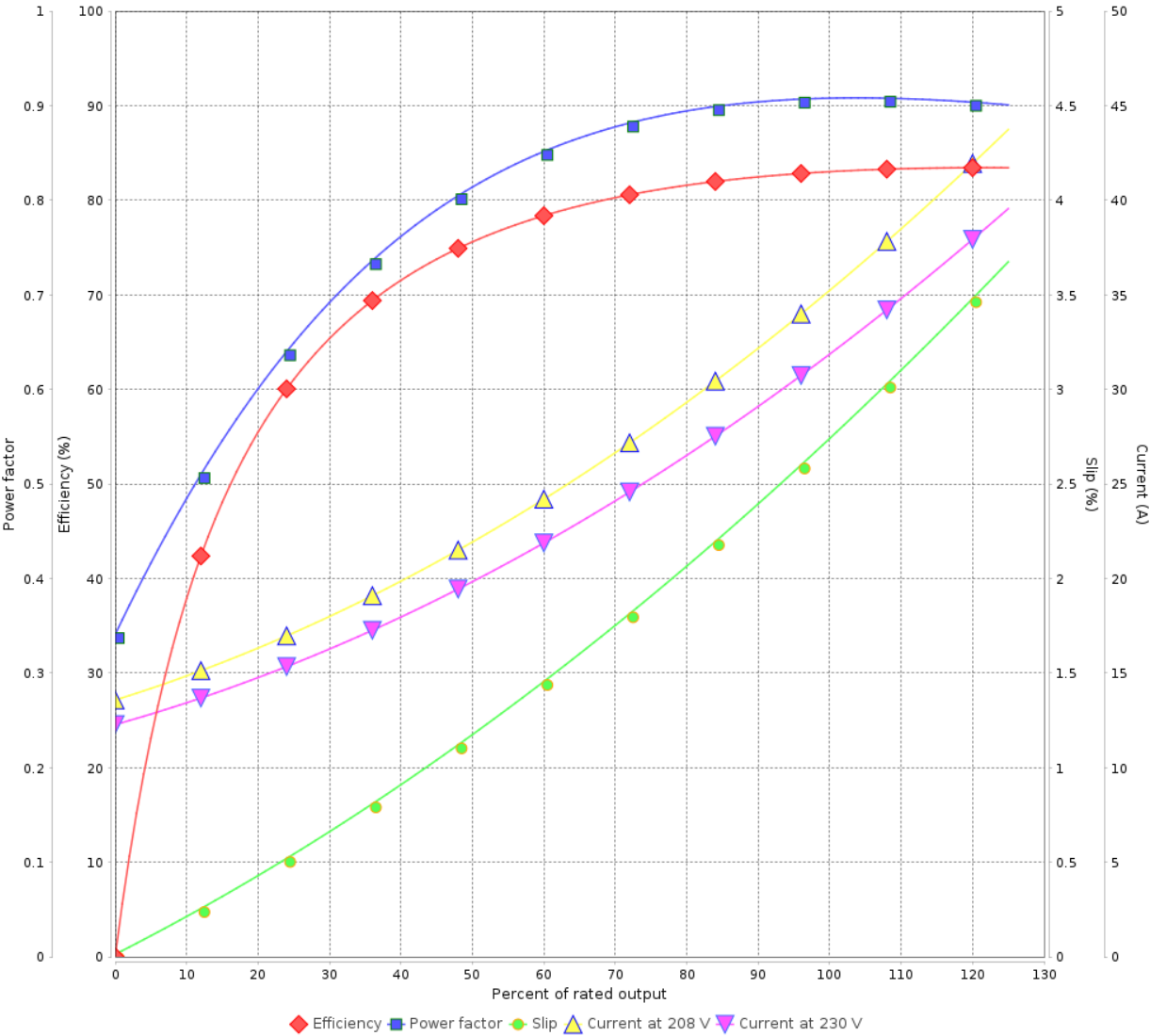
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