

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Single-Phase Product code : 18653126

|                       |                           |                             |                       |
|-----------------------|---------------------------|-----------------------------|-----------------------|
| Frame                 | : 56C                     | Locked rotor time           | : 12s (cold) 7s (hot) |
| Output                | : 3 HP (2.2 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                 | : 2                       | Altitude                    | : 1000 m.a.s.l.       |
| Rated current         | : 12.8-11.5 A             | Protection degree           | : IP55                |
|                       | : 6.7x(Code G)            | Cooling method              | : IC411 - TEFC        |
| Rated speed           | : 3475 rpm                | Mounting                    | : F-1                 |
| Rated torque          | : 0.627 kgfm              | Rotation <sup>1</sup>       | : CCW                 |
| Insulation class      | : F                       | Starting method             | : Direct On Line      |
| Service factor        | : 1.15                    | Approx. weight <sup>3</sup> | : 20.5 kg             |
| Moment of inertia (J) | : 0.0040 kgm <sup>2</sup> |                             |                       |
| Design                | : L                       |                             |                       |

|                |       |      |      |      |                           |
|----------------|-------|------|------|------|---------------------------|
| Output         | 25%   | 50%  | 75%  | 100% | Foundation loads          |
| Efficiency (%) | 0.000 | 81.5 | 84.0 | 84.1 | Max. traction : 46 kgf    |
| Power Factor   | 0.00  | 0.97 | 0.98 | 0.99 | Max. compression : 66 kgf |

|                      |   |                  |                      |
|----------------------|---|------------------|----------------------|
|                      |   | <u>Drive end</u> | <u>Non drive end</u> |
| Bearing type         | : | 6203 2RS         | 6202 2RS             |
| Sealing              | : | V'Ring           | 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 Revision<br>1 / 2 |         |      |
| Checked by   |                 |                        |         |      |
| Date         | 26/06/2026      |                        |         |      |

# LOAD PERFORMANCE CURVE

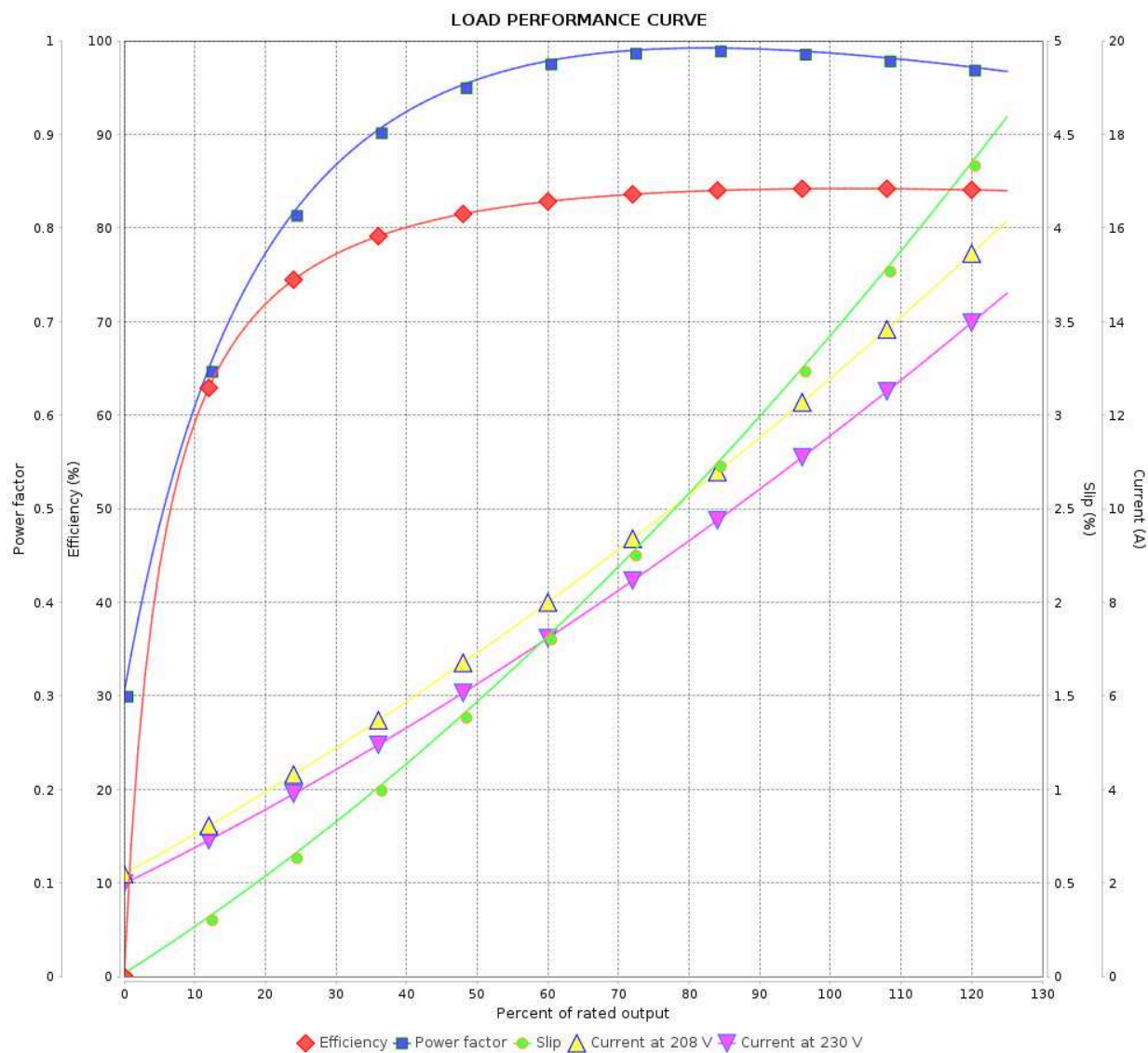
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