

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump Single-Phase      Product code : 18298167

|                       |                           |                             |                       |
|-----------------------|---------------------------|-----------------------------|-----------------------|
| Frame                 | : 213/5JM                 | 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         | : 208-230/460 V           | Ambient temperature         | : -20°C to +40°C      |
| Poles                 | : 2                       | Altitude                    | : 1000 m.a.s.l.       |
| Rated current         | : 32.5-29.4/14.7 A        | Protection degree           | : IP55                |
|                       | : 7.1x(Code H)            | Cooling method              | : IC411 - TEFC        |
| Rated speed           | : 3515 rpm                | Mounting                    | : F-1                 |
| Rated torque          | : 1.55 kgfm               | Rotation <sup>1</sup>       | : Both (CW and CCW)   |
| Insulation class      | : F                       | Noise level <sup>2</sup>    | : 75.0 dB(A)          |
| Service factor        | : 1.15                    | Starting method             | : Direct On Line      |
| Moment of inertia (J) | : 0.0205 kgm <sup>2</sup> | Approx. weight <sup>3</sup> | : 68.1 kg             |
| Design                | : L                       |                             |                       |

|                |      |      |      |                            |
|----------------|------|------|------|----------------------------|
| Output         | 50%  | 75%  | 100% | Foundation loads           |
| Efficiency (%) | 78.5 | 82.5 | 84.0 | Max. traction : 43 kgf     |
| Power Factor   | 0.96 | 0.97 | 0.97 | Max. compression : 111 kgf |

|                      |   |                  |                      |
|----------------------|---|------------------|----------------------|
|                      |   | <u>Drive end</u> | <u>Non drive end</u> |
| Bearing type         | : | 6209 ZZ          | 6206 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      Revision<br>1 / 2 |         |      |
| Checked by   |                 |                             |         |      |
| Date         | 02/04/2026      |                             |         |      |

# LOAD PERFORMANCE CURVE

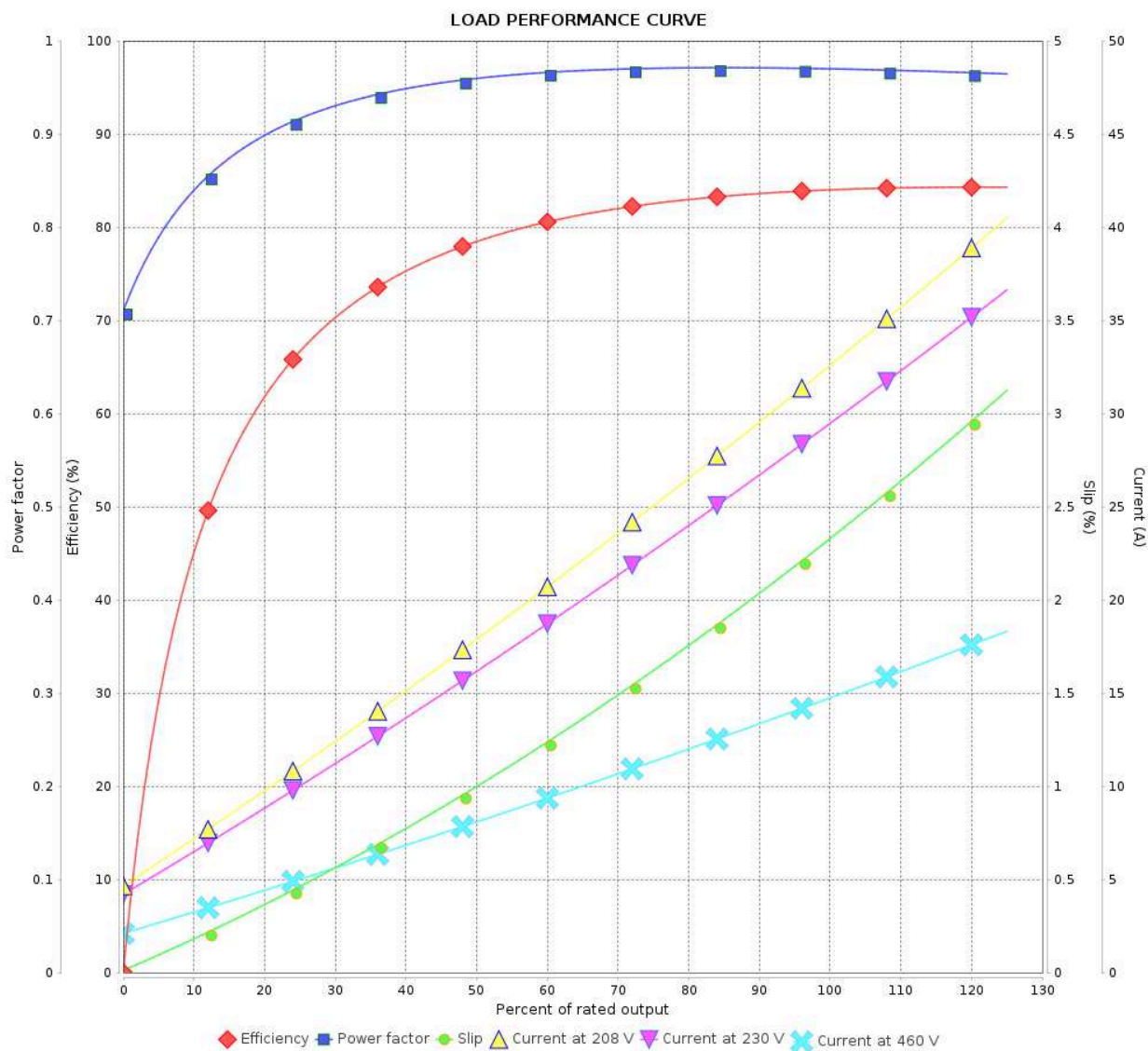
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump Single-Phase

Product code : 18298167



| Rev.         | Changes Summary |  | Performed | Checked | Date     |
|--------------|-----------------|--|-----------|---------|----------|
|              |                 |  |           |         |          |
| Performed by |                 |  |           | Page    | Revision |
| Checked by   |                 |  |           | 2 / 2   |          |
| Date         |                 |  |           |         |          |
|              | 02/04/2026      |  |           |         |          |

