

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Single-Phase Product code : 14009860

|                       |                           |                             |                         |
|-----------------------|---------------------------|-----------------------------|-------------------------|
| Frame                 | : 56C                     | Locked rotor time           | : 18s (cold) 10s (hot)  |
| Output                | : 1.5 HP (1.1 kW)         | Temperature rise            | : 80 K                  |
| Poles                 | : 2                       | Duty cycle                  | : Cont.(S1)             |
| Frequency             | : 60 Hz                   | Ambient temperature         | : -20°C to +40°C        |
| Rated voltage         | : 115/208-230 V           | Altitude                    | : 1000 m.a.s.l.         |
| Rated current         | : 12.4/6.86-6.20 A        | Cooling method              | : IC01 - ODP            |
| L. R. Amperes         | : 102/56.3-50.8 A         | Mounting                    | : F-1                   |
| LRC                   | : 8.2x(Code J)            | Rotation <sup>1</sup>       | : CCW                   |
| No load current       | : 3.20/1.38-1.60 A        | Noise level <sup>2</sup>    | : 58.0 dB(A)            |
| Rated speed           | : 3500 rpm                | Vibration                   | : A                     |
| Slip                  | : 2.78 %                  | Starting method             | : Direct On Line        |
| Rated torque          | : 0 kgfm                  | Approx. weight <sup>3</sup> | : 14.5 kg               |
| Locked rotor torque   | : 260 %                   | Painting plan               | : 207N (ISO 12944 - C2) |
| Breakdown torque      | : 270 %                   | Color                       | : Munsell N 1 - Matte   |
| Insulation class      | : F                       | Design                      | : L                     |
| Service factor        | : 1.30                    |                             |                         |
| Moment of inertia (J) | : 0.0027 kgm <sup>2</sup> |                             |                         |

|                |      |      |      |                  |          |
|----------------|------|------|------|------------------|----------|
| Output         | 50%  | 75%  | 100% | Foundation loads |          |
| Efficiency (%) | 73.0 | 79.0 | 81.5 | Max. traction    | : 19 kgf |
| Power Factor   | 0.92 | 0.95 | 0.95 | Max. compression | : 34 kgf |

|                      |   |                      |                      |
|----------------------|---|----------------------|----------------------|
|                      |   | Drive end            | Non drive end        |
| Bearing type         | : | 6203 2RS             | 6202 2RS             |
| Sealing              | : | Without Bearing Seal | 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 |
|--------------|-----------------|------------------------|---------|------|
|              |                 |                        |         |      |
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| Checked by   |                 |                        |         |      |
| Date         | 29/09/2026      |                        |         |      |

# LOAD PERFORMANCE CURVE

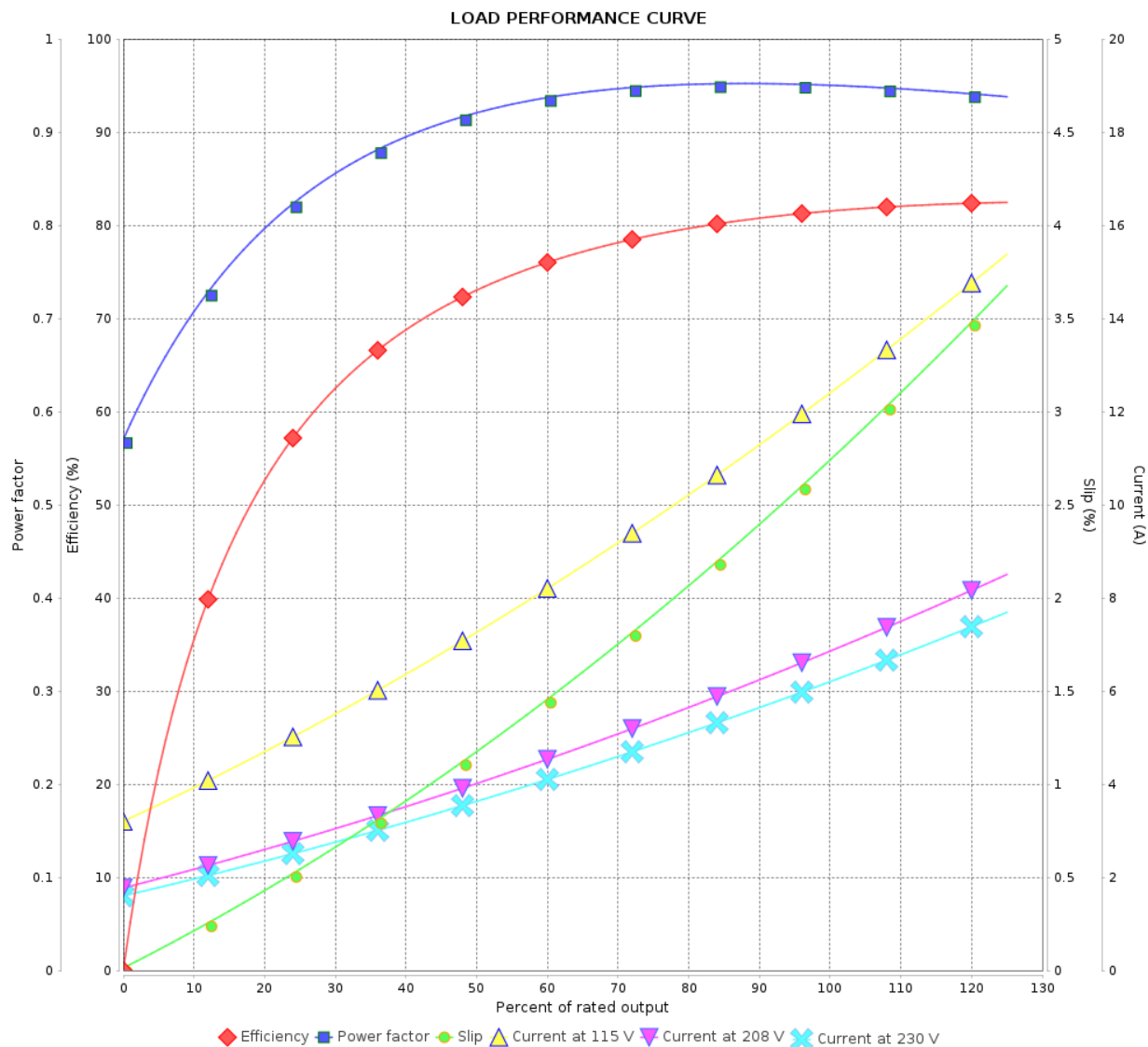
## Single Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 14009860



Performance : 115/208-230 V 60 Hz 2P

Rated current : 12.4/6.86-6.20 A  
LRC : 8.2  
Rated torque : 0 kgfm  
Locked rotor torque : 260 %  
Breakdown torque : 270 %  
Rated speed : 3500 rpm

Moment of inertia (J) : 0.0027 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor :  
Temperature rise : 80 K  
Design : L

| Rev.         | Changes Summary | Performed             | Checked | Date |
|--------------|-----------------|-----------------------|---------|------|
|              |                 |                       |         |      |
| Performed by |                 | Page<br>2 / 2Revision |         |      |
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