

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - J type Premium Efficiency Three-Phase Product code : 13870568

|                       |                           |                             |                         |
|-----------------------|---------------------------|-----------------------------|-------------------------|
| Frame                 | : W56J                    | Locked rotor time           | : 36s (cold) 20s (hot)  |
| Output                | : 0.5 HP (0.37 kW)        | Temperature rise            | : 80 K                  |
| Poles                 | : 4                       | Duty cycle                  | : Cont.(S1)             |
| Frequency             | : 60 Hz                   | Ambient temperature         | : -20°C to +40°C        |
| Rated voltage         | : 575 V                   | Altitude                    | : 1000 m.a.s.l.         |
| Rated current         | : 0.622 A                 | Protection degree           | : IP55                  |
| L. R. Amperes         | : 3.98 A                  | Cooling method              | : IC411 - TEFC          |
| LRC                   | : 6.4x(Code J)            | Mounting                    | : W-6                   |
| No load current       | : 0.397 A                 | Rotation <sup>1</sup>       | : CCW                   |
| Rated speed           | : 1730 rpm                | Noise level <sup>2</sup>    | : 50.0 dB(A)            |
| Slip                  | : 3.89 %                  | Vibration                   | : A                     |
| Rated torque          | : 0 kgfm                  | Starting method             | : Direct On Line        |
| Locked rotor torque   | : 229 %                   | Approx. weight <sup>3</sup> | : 9.5 kg                |
| Breakdown torque      | : 310 %                   |                             | : 207N (ISO 12944 - C2) |
| Insulation class      | : F                       |                             | : Munsell N 1 - Matte   |
| Service factor        | : 1.15                    |                             |                         |
| Moment of inertia (J) | : 0.0022 kgm <sup>2</sup> |                             |                         |

|                |      |      |      |                  |          |
|----------------|------|------|------|------------------|----------|
| Output         | 50%  | 75%  | 100% | Foundation loads |          |
| Efficiency (%) | 74.0 | 77.0 | 78.5 | Max. traction    | : 16 kgf |
| Power Factor   | 0.54 | 0.67 | 0.76 | Max. compression | : 25 kgf |

|                      |   |                  |               |
|----------------------|---|------------------|---------------|
|                      |   | Drive end        | Non drive end |
| Bearing type         | : | 6203 2RS         | 6202 2RS      |
| Sealing              | : | V'Ring           | V'Ring        |
| 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         | 01/10/2026      |                           |         |      |

# LOAD PERFORMANCE CURVE

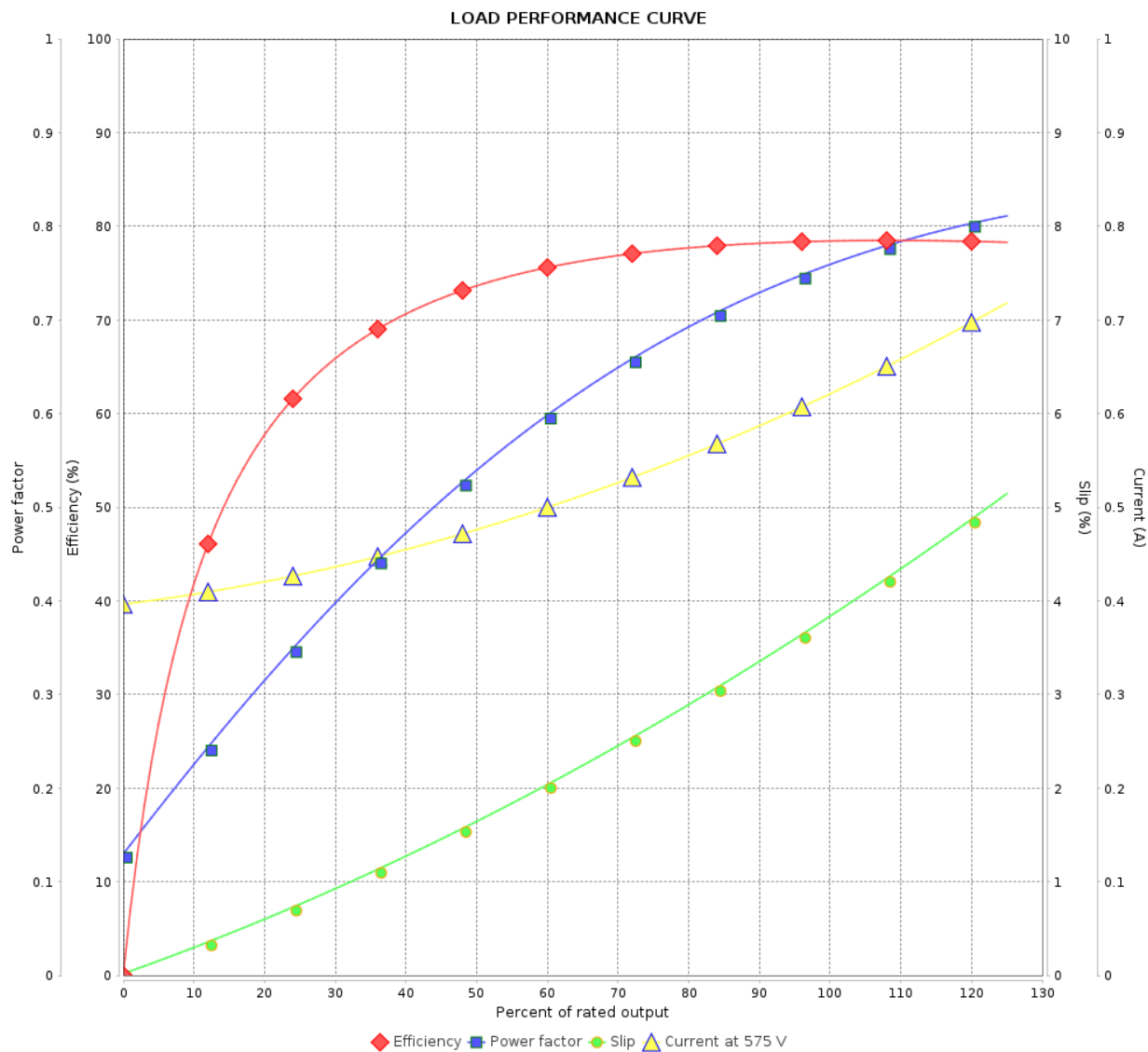
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - J type  
Premium Efficiency Three-Phase

Product code : 13870568



Performance : 575 V 60 Hz 4P

Rated current : 0.622 A  
LRC : 6.4  
Rated torque : 0 kgfm  
Locked rotor torque : 229 %  
Breakdown torque : 310 %  
Rated speed : 1730 rpm

Moment of inertia (J) : 0.0022 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K

| Rev.         | Changes Summary |  | Performed | Checked | Date     |
|--------------|-----------------|--|-----------|---------|----------|
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