

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13500626

|                       |                         |                             |                         |
|-----------------------|-------------------------|-----------------------------|-------------------------|
| Frame                 | : 447/9T                | Locked rotor time           | : 28s (cold) 16s (hot)  |
| Output                | : 300 HP (220 kW)       | Temperature rise            | : 80 K                  |
| Poles                 | : 4                     | Duty cycle                  | : Cont.(S1)             |
| Frequency             | : 60 Hz                 | Ambient temperature         | : -20°C to +40°C        |
| Rated voltage         | : 460 V                 | Altitude                    | : 1000 m.a.s.l.         |
| Rated current         | : 330 A                 | Protection degree           | : IP55                  |
| L. R. Amperes         | : 2145 A                | Cooling method              | : IC411 - TEFC          |
| LRC                   | : 6.5x(Code G)          | Mounting                    | : F-1                   |
| No load current       | : 105 A                 | Rotation <sup>1</sup>       | : Both (CW and CCW)     |
| Rated speed           | : 1780 rpm              | Noise level <sup>2</sup>    | : 75.0 dB(A)            |
| Slip                  | : 1.11 %                | Vibration                   | : B                     |
| Rated torque          | : 122 kgfm              | Starting method             | : Direct On Line        |
| Locked rotor torque   | : 250 %                 | Approx. weight <sup>3</sup> | : 1299 kg               |
| Breakdown torque      | : 250 %                 |                             | : 203A (ISO 12944 - C3) |
| Insulation class      | : F                     |                             | : RAL 5009              |
| Service factor        | : 1.15                  | Design                      | : A                     |
| Moment of inertia (J) | : 3.77 kgm <sup>2</sup> |                             |                         |

|                |       |      |      |      |                  |            |
|----------------|-------|------|------|------|------------------|------------|
| Output         | 25%   | 50%  | 75%  | 100% | Foundation loads |            |
| Efficiency (%) | 0.000 | 95.8 | 96.2 | 96.2 | Max. traction    | : 2025 kgf |
| Power Factor   | 0.00  | 0.77 | 0.84 | 0.87 | Max. compression | : 3324 kgf |

|                      | Drive end        | Non drive end |
|----------------------|------------------|---------------|
| Bearing type         | : NU-322 C3      | 6319 C3       |
| Sealing              | : WSeal          | WSeal         |
| Lubrication interval | : 4000 h         | 8000 h        |
| Lubricant amount     | : 60 g           | 45 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 |                 |           |         |      |
| Checked by   |                 |           |         |      |
| Date         | 30/09/2026      |           |         |      |

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Revision

# LOAD PERFORMANCE CURVE

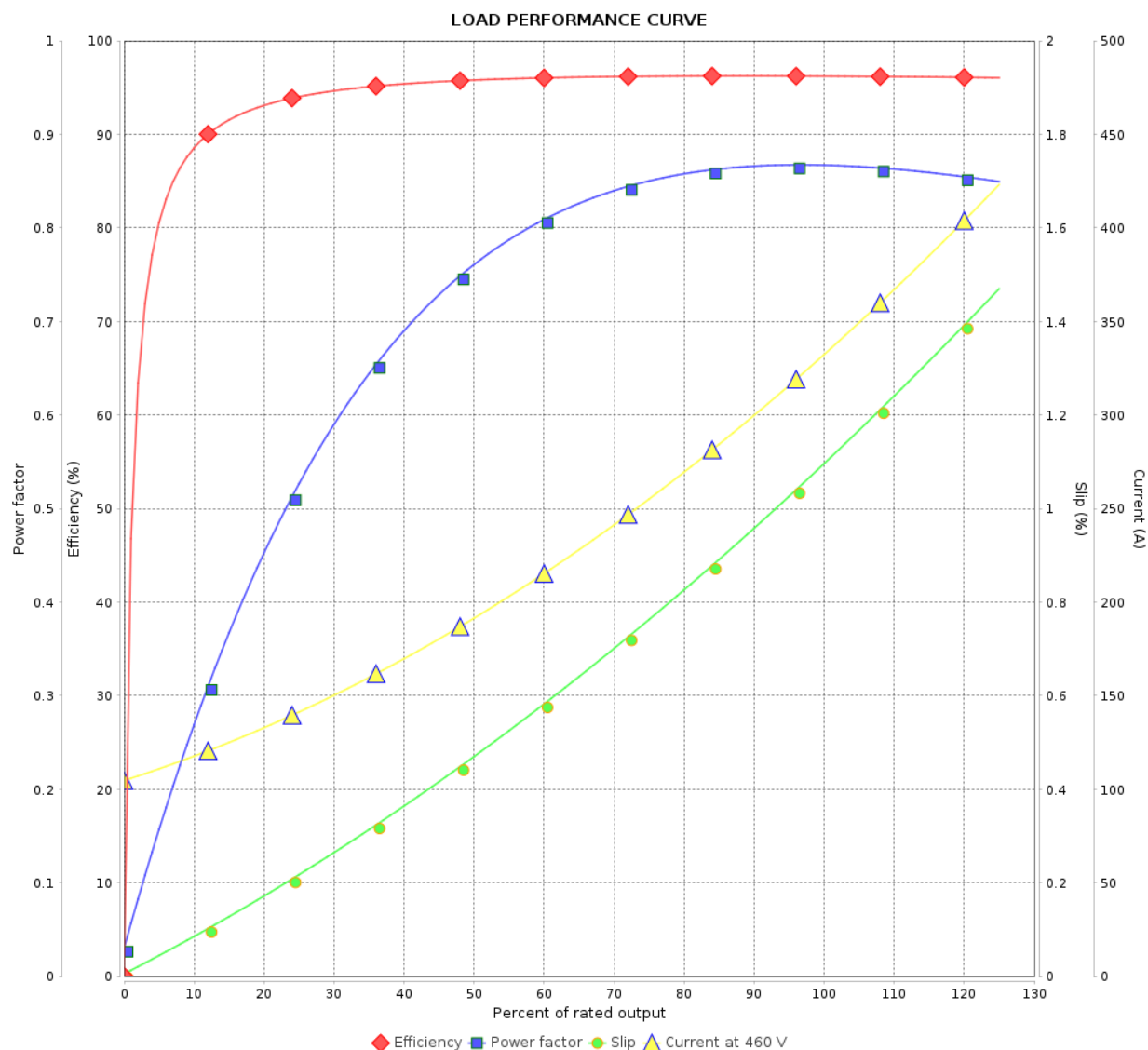
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency  
Three-Phase

Product code : 13500626



Performance : 460 V 60 Hz 4P

Rated current : 330 A  
LRC : 6.5  
Rated torque : 122 kgfm  
Locked rotor torque : 250 %  
Breakdown torque : 250 %  
Rated speed : 1780 rpm

Moment of inertia (J) : 3.77 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : A

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