

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : ODP NEMA Premium Efficiency Three-Phase
Product code : 11997627

| | | | |
|-----------------------|---------------------------|-----------------------------|------------------------|
| Frame | : 326TSC | Locked rotor time | : 43s (cold) 24s (hot) |
| Output | : 60 HP (45 kW) | Temperature rise | : 80 K |
| Poles | : 2 | 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 | : 56.8 A | Protection degree | : IP23 |
| L. R. Amperes | : 341 A | Cooling method | : IC01 - ODP |
| LRC | : 6.0x(Code G) | Mounting | : F-1 |
| No load current | : 17.2 A | Rotation ¹ | : Both (CW and CCW) |
| Rated speed | : 3560 rpm | Noise level ² | : 75.0 dB(A) |
| Slip | : 1.11 % | Starting method | : Direct On Line |
| Rated torque | : 12.2 kgfm | Approx. weight ³ | : 228 kg |
| Locked rotor torque | : 220 % | | |
| Breakdown torque | : 229 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.1839 kgm ² | | |
| Design | : B | | |

| | | | | |
|----------------|------|------|------|---|
| Output | 50% | 75% | 100% | Foundation loads Max. traction : 240 kgf Max. compression : 468 kgf |
| Efficiency (%) | 93.0 | 93.6 | 93.6 | |
| Power Factor | 0.77 | 0.84 | 0.85 | |

| | <u>Drive end</u> | <u>Non drive end</u> |
|----------------------|------------------------|------------------------|
| Bearing type | : 6312 Z C3 | : 6212 Z C3 |
| Sealing | : Without Bearing Seal | : Without Bearing Seal |
| Lubrication interval | : 19658 h | : 20000 h |
| Lubricant amount | : 21 g | : 13 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 |
|--------------|-----------------|-----------|---------|----------|
| | | | | |
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| Checked by | | | | |
| Date | 04/05/2024 | | 1 / 2 | |

LOAD PERFORMANCE CURVE

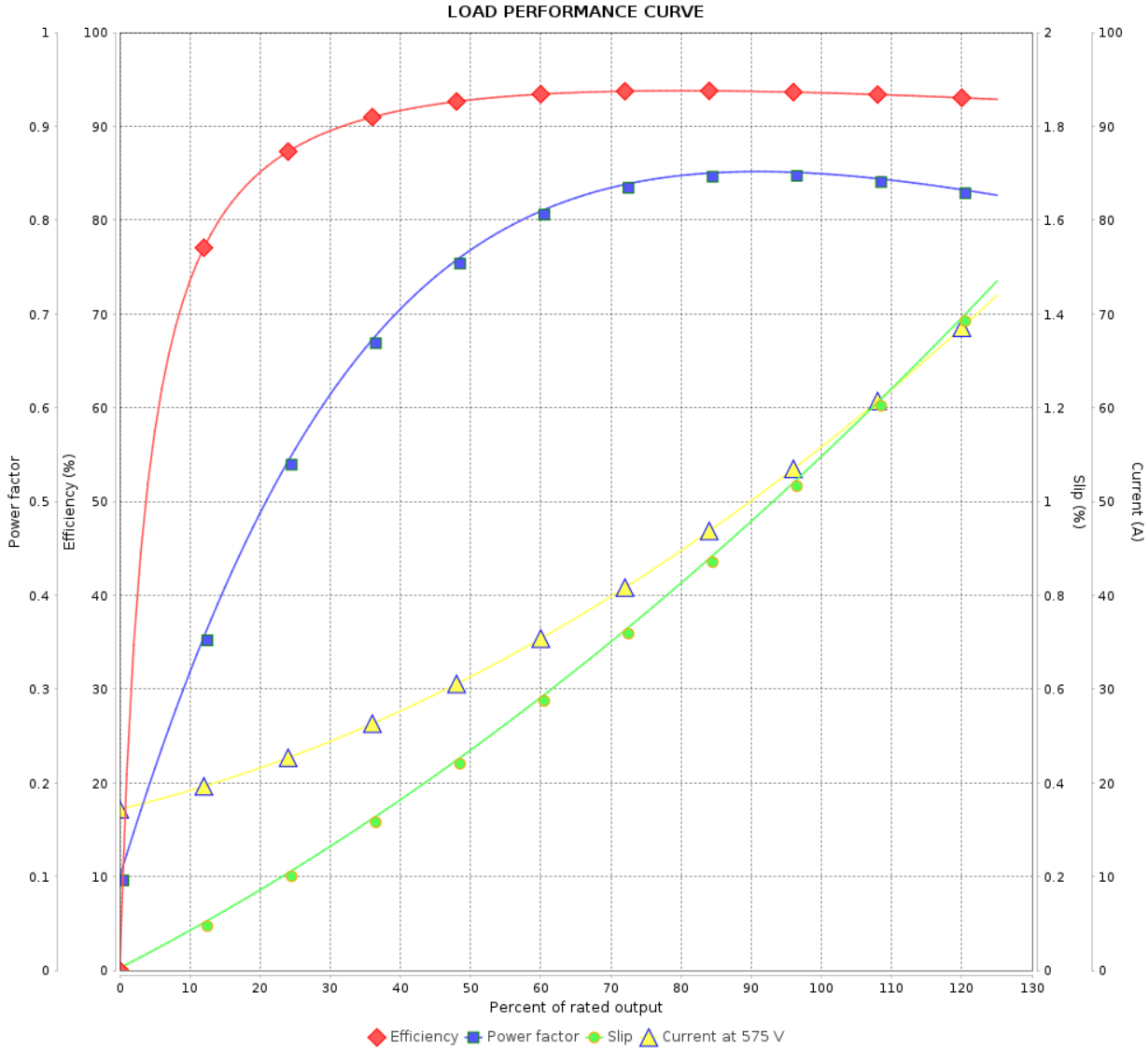
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Customer : _____

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 11997627



Performance : 575 V 60 Hz 2P

Rated current : 56.8 A
 LRC : 6.0
 Rated torque : 12.2 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 229 %
 Rated speed : 3560 rpm

Moment of inertia (J) : 0.1839 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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