

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Super Premium Efficiency Three-Phase Product code : 14265952

| | | | |
|-----------------------|---------------------------|-----------------------------|------------------------|
| Frame | : 284/6TC | Locked rotor time | : 45s (cold) 25s (hot) |
| Output | : 30 HP (22 kW) | Temperature rise | : 80 K |
| Poles | : 4 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 208-230/460 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 78.7-71.2/35.6 A | Protection degree | : IP55 |
| L. R. Amperes | : 630-570/285 A | Cooling method | : IC411 - TEFC |
| LRC | : 8.0x(Code J) | Mounting | : F-1 |
| No load current | : 29.3-34.0/17.0 A | Rotation ¹ | : Both (CW and CCW) |
| Rated speed | : 1775 rpm | Noise level ² | : 64.0 dB(A) |
| Slip | : 1.39 % | Starting method | : VFD |
| Rated torque | : 12.3 kgfm | Approx. weight ³ | : 204 kg |
| Locked rotor torque | : 320 % | | |
| Breakdown torque | : 350 % | | |
| Insulation class | : F | | |
| Service factor | : 1.25 | | |
| Moment of inertia (J) | : 0.2388 kgm ² | | |
| Design | : A | | |

| | | | | | | |
|----------------|-------|------|------|------|------------------|-----------|
| Output | 25% | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 0.000 | 93.0 | 94.1 | 94.5 | Max. traction | : 512 kgf |
| Power Factor | 0.00 | 0.64 | 0.76 | 0.82 | Max. compression | : 716 kgf |

| | Drive end | Non drive end |
|----------------------|--------------------|---------------|
| Bearing type | : 6311 C3 | 6211 C3 |
| Sealing | : V'Ring | V'Ring |
| Lubrication interval | : 20000 h | 20000 h |
| Lubricant amount | : 18 g | 11 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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LOAD PERFORMANCE CURVE

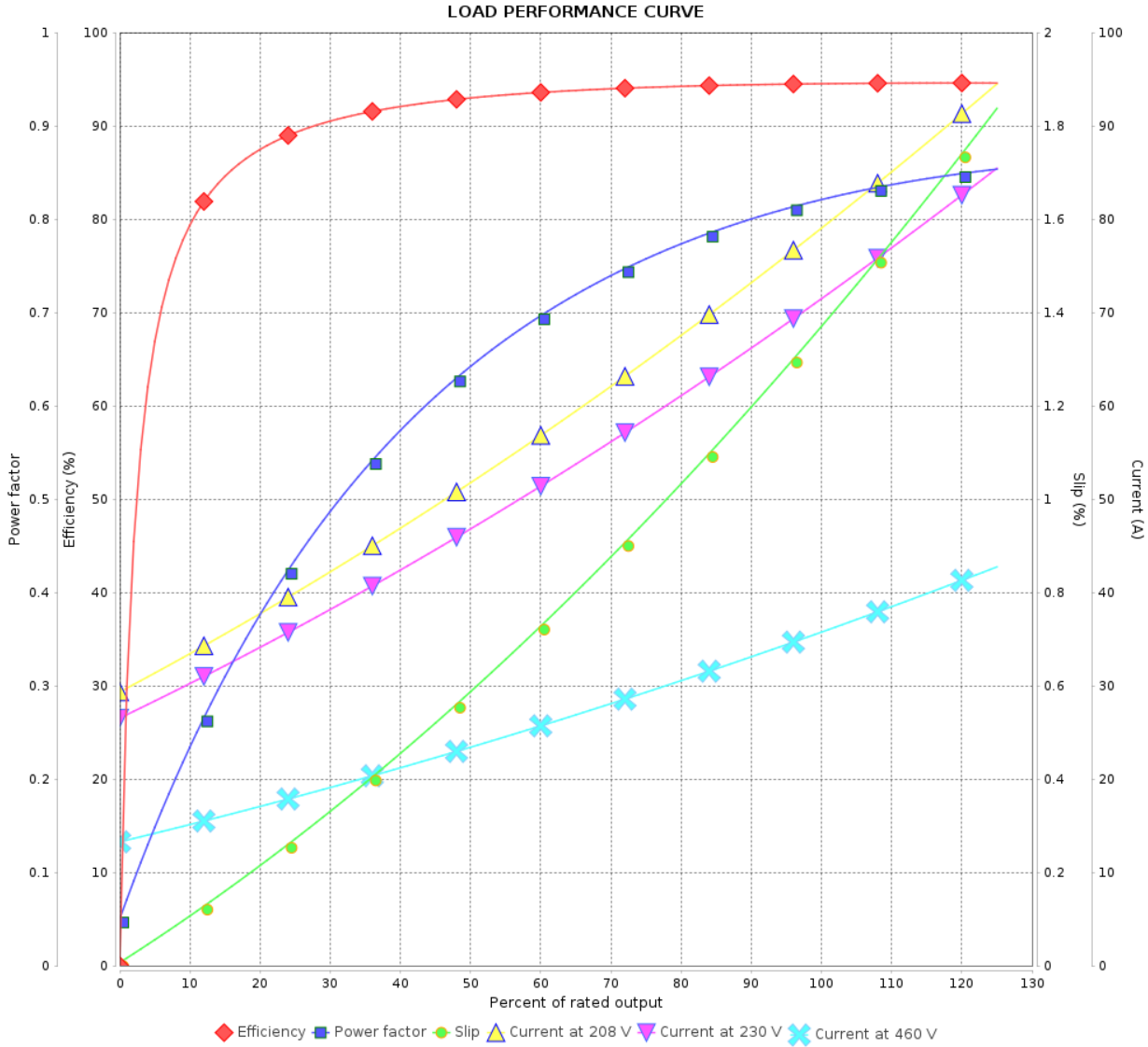
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase

Product code : 14265952



Performance : 208-230/460 V 60 Hz 4P

Rated current : 78.7-71.2/35.6 A
 LRC : 8.0
 Rated torque : 12.3 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 350 %
 Rated speed : 1775 rpm

Moment of inertia (J) : 0.2388 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : A

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