

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

| | | | | | | |
|--|---------------------------|------------------|--|------------------------|----------------------------|----------|
| Customer : | | | | | | |
| Product line : W22 Close Coupled Pump JP NEMA Premium Efficiency Three-Phase | | | Product code : 15858654 | | | |
| Frame | : 213/5JP | | Locked rotor time | : 21s (cold) 12s (hot) | | |
| Output | : 15 HP (11 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 | : 13.6 A | | Protection degree | : IP55 | | |
| L. R. Amperes | : 107 A | | Cooling method | : IC411 - TEFC | | |
| LRC | : 7.9x(Code J) | | Mounting | : F-1 | | |
| No load current | : 4.64 A | | Rotation ¹ | : Both (CW and CCW) | | |
| Rated speed | : 3520 rpm | | Noise level ² | : 68.0 dB(A) | | |
| Slip | : 2.22 % | | Starting method | : Direct On Line | | |
| Rated torque | : 3.09 kgfm | | Approx. weight ³ | : 82.0 kg | | |
| Locked rotor torque | : 240 % | | | | | |
| Breakdown torque | : 280 % | | | | | |
| Insulation class | : F | | | | | |
| Service factor | : 1.25 | | | | | |
| Moment of inertia (J) | : 0.0268 kgm ² | | | | | |
| Design | : B | | | | | |
| Output | 25% | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 0.000 | 90.2 | 91.0 | 91.0 | Max. traction : 119 kgf | |
| Power Factor | 0.00 | 0.76 | 0.85 | 0.89 | Max. compression : 201 kgf | |
| | | | <u>Drive end</u> | <u>Non drive end</u> | | |
| Bearing type | : | 6309 Z C3 | 6207 ZZ | | | |
| Sealing | : | V'Ring | V'Ring | | | |
| Lubrication interval | : | 19000 h | 0 h | | | |
| Lubricant amount | : | 13 g | 0 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 | | | | | Page | Revision |
| Date | 14/01/2024 | | | | 1 / 2 | |

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

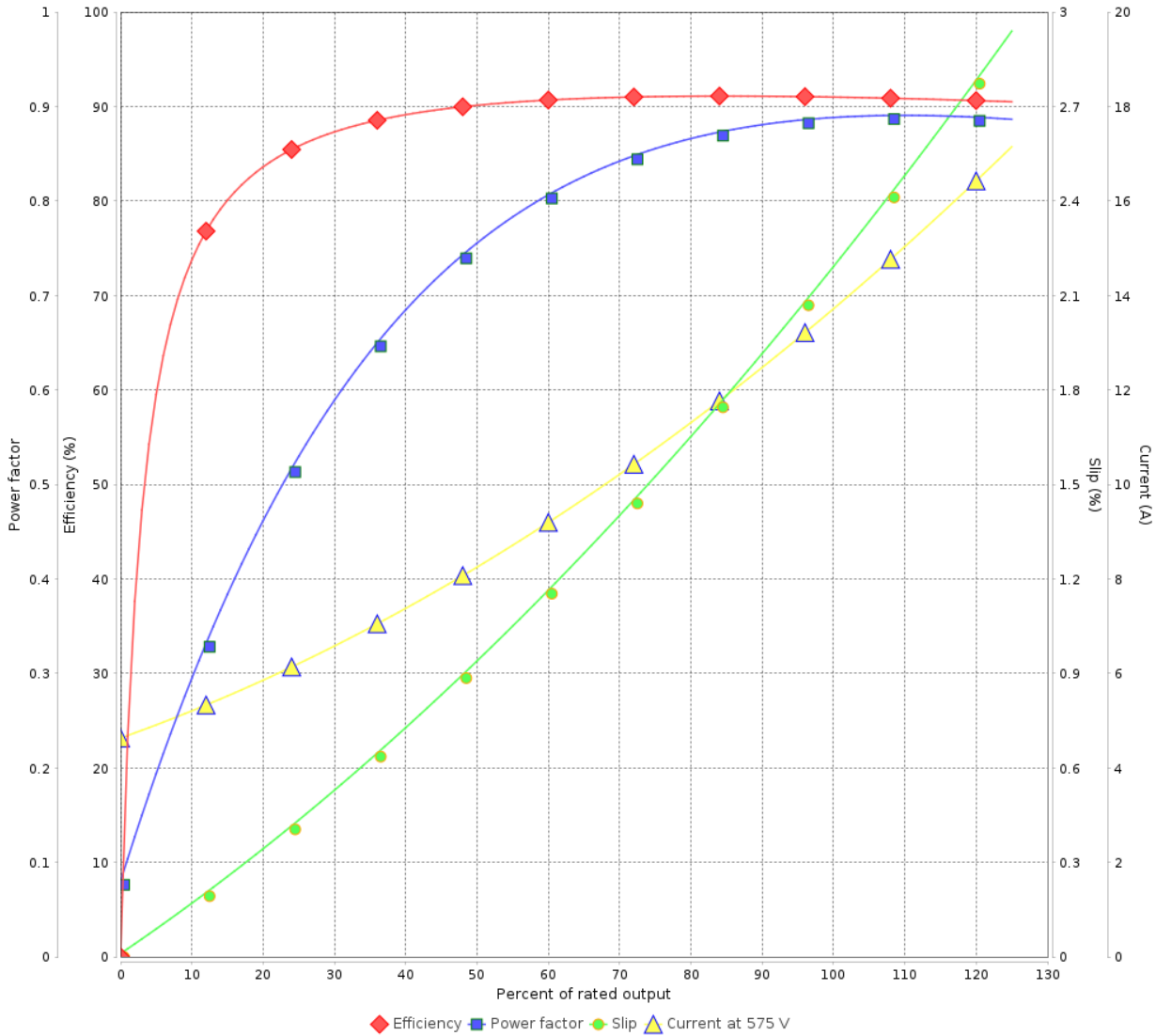


Customer : _____

Product line : W22 Close Coupled Pump JP NEMA
Premium Efficiency Three-Phase

Product code : 15858654

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 13.6 A
LRC : 7.9
Rated torque : 3.09 kgfm
Locked rotor torque : 240 %
Breakdown torque : 280 %
Rated speed : 3520 rpm

Moment of inertia (J) : 0.0268 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|----------|
| | | | | |
| Performed by | | | Page | Revision |
| Checked by | | | | |
| Date | | | | |