

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 15378605

Catalog # : 00718OT3P213T-SGH

| | | | |
|-----------------------|-------------------|-----------------------------|------------------------|
| Frame | : 213/5T | Locked rotor time | : 23s (cold) 13s (hot) |
| Output | : 7.5 HP (5.5 kW) | Temperature rise | : 80 K |
| Poles | : 4 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 200 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 21.3 A | Cooling method | : IC01 - ODP |
| L. R. Amperes | : 153 A | Mounting | : F-1 |
| LRC | : 7.2x(Code H) | Rotation ¹ | : Both (CW and CCW) |
| No load current | : 10.1 A | Noise level ² | : 59.0 dB(A) |
| Rated speed | : 1770 rpm | Starting method | : Direct On Line |
| Slip | : 1.67 % | Approx. weight ³ | : 116 lb |
| Rated torque | : 22.3 ft.lb | | |
| Locked rotor torque | : 240 % | | |
| Breakdown torque | : 320 % | | |
| Insulation class | : H | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 1.03 sq.ft.lb | | |
| Design | : B | | |

| | | | | |
|--------|-----|-----|-----|------|
| Output | 25% | 50% | 75% | 100% |
|--------|-----|-----|-----|------|

| | | | | |
|----------------|------|------|------|------|
| Efficiency (%) | 88.6 | 89.5 | 90.2 | 91.0 |
| Power Factor | 0.39 | 0.65 | 0.77 | 0.82 |

Foundation loads

Max. traction : 343 lb
Max. compression : 460 lb

| | <u>Drive end</u> | <u>Non drive end</u> |
|----------------------|------------------------|------------------------|
| Bearing type | : 6208 ZZ | : 6206 ZZ |
| Sealing | : Without Bearing Seal | : Without Bearing Seal |
| 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 1 / 1 | | |
| Checked by | | | | |
| Date | 27/03/2024 | | | |
| | | | Revision | |