

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Three-Phase
Product code : 12676390
Catalog # : 00236OS3HJPR56C-S

| | | | |
|-----------------------|-------------------|--------------------------|------------------------|
| Frame | : 56C | Locked rotor time | : 18s (cold) 10s (hot) |
| Output | : 2 HP (1.5 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 | : 2.26 A | Cooling method | : IC01 - ODP |
| L. R. Amperes | : 15.8 A | Mounting | : F-1 |
| LRC | : 7.0x(Code J) | Rotation ¹ | : CCW |
| No load current | : 1.04 A | Noise level ² | : 62.0 dB(A) |
| Rated speed | : 3470 rpm | Starting method | : Direct On Line |
| Slip | : 3.61 % | | |
| Rated torque | : 2.99 ft.lb | | |
| Locked rotor torque | : 229 % | | |
| Breakdown torque | : 250 % | | |
| Insulation class | : F | | |
| Service factor | : 1.20 | | |
| Moment of inertia (J) | : 0.0774 sq.ft.lb | | |
| Design | : A | | |

| | | | | |
|----------------|------|------|------|------|
| Output | 25% | 50% | 75% | 100% |
| Efficiency (%) | 76.7 | 77.0 | 78.5 | 78.5 |
| Power Factor | 0.41 | 0.66 | 0.79 | 0.85 |

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).
- (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 Revision 1 / | | |
| Checked by | | | | |
| Date | 19/01/2018 | | | |