

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12675412

Catalog # : 00212ET3H184T-S

Frame : 182/4T
Output : 2 HP (1.5 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 2.40 A
L. R. Amperes : 18.0 A
LRC : 7.5x(Code K)
No load current : 1.50 A
Rated speed : 1170 rpm
Slip : 2.50 %
Rated torque : 8.86 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 370 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.3424 sq.ft.lb
Design : B

Locked rotor time : 79s (cold) 44s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 52.0 dB(A)
Starting method : Direct On Line

| Output | 25% | 50% | 75% | 100% |
|----------------|------|------|------|------|
| Efficiency (%) | 82.0 | 84.0 | 86.5 | 88.5 |
| Power Factor | 0.28 | 0.50 | 0.62 | 0.71 |

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 | | |
| Checked by | | | | |
| Date | 23/01/2018 | | | |