

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General NEMA Premium Efficiency Three-Phase

Product code : 10360658

Catalog # : 00318OT3E182TF2

Frame : 182T
Output : 3 HP (2.2 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 8.12/4.06 A
L. R. Amperes : 65.8/32.9 A
LRC : 8.1x(Code K)
No load current : 4.74/2.37 A
Rated speed : 1760 rpm
Slip : 2.22 %
Rated torque : 8.95 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.2541 sq.ft.lb
Design : B

Locked rotor time : 21s (cold) 12s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP21
Cooling method : IC01 - ODP
Mounting : F-2
Rotation¹ : Both (CW and CCW)
Noise level² : 53.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 60.2 lb

Output	25%		50%		75%		100%	
Efficiency (%)	84.3	84.3	85.5	85.5	88.5	86.5	89.5	87.5
	84.3	84.4	85.5	85.5	86.5	86.5	87.5	87.5
Power Factor	0.32	0.39	0.54	0.63	0.68	0.75	0.76	0.81
	0.35	0.31	0.58	0.53	0.71	0.67	0.78	0.75

Foundation loads
Max. traction : 205 lb
Max. compression : 265 lb

	Drive end	Non drive end
Bearing type :	6206 ZZ	6205 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				
Checked by				
Date	25/03/2024			

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Revision