

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 15608393

Catalog # : 002120T3ER184TC-S

Frame : 182/4TC
Output : 2 HP (1.5 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 5.90/2.95 A
L. R. Amperes : 38.9/19.5 A
LRC : 6.6x(Code J)
No load current : 3.42/1.71 A
Rated speed : 1165 rpm
Slip : 2.92 %
Rated torque : 9.02 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.2800 sq.ft.lb
Design : B

Locked rotor time : 59s (cold) 33s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : W-6
Rotation¹ : Both (CW and CCW)
Noise level² : 52.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 73.9 lb

Output	25%		50%		75%		100%	
Efficiency (%)	84.4	86.1	85.5	84.8	86.5	84.9	87.5	83.0
	83.1		83.0		84.6		84.0	
Power Factor	0.30	0.36	0.53	0.61	0.66	0.73	0.73	0.79
	0.30		0.53		0.66		0.74	

Foundation loads
Max. traction : 153 lb
Max. compression : 226 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		Page 1 / 1		
Checked by				
Date	27/03/2024			
		Revision		