

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 15608393
Catalog # : 00212OT3ER184TC-S

Frame	: 182/4TC	Locked rotor time	: 59s (cold) 33s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 5.90/2.95 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 38.9/19.5 A	Mounting	: W-6
LRC	: 6.6x(Code J)	Rotation ¹	: Both (CW and CCW)
No load current	: 3.42/1.71 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1165 rpm	Starting method	: Direct On Line
Slip	: 2.92 %	Approx. weight ³	: 73.9 lb
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		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	84.4	86.1	85.5	84.8	86.5	84.9	87.5	83.0	Max. traction	: 153 lb
	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	Max. compression	: 226 lb
	0.30		0.53		0.66		0.74			

		<u>Drive end</u>	<u>Non drive end</u>
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	15/02/2025			
			Revision	