

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 13322310
Catalog # : 00736OT3ER184TC-S

Frame	: 182/4TC	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 17.9/8.97 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 133/66.4 A	Mounting	: W-6
LRC	: 7.4x(Code H)	Rotation ¹	: Both (CW and CCW)
No load current	: 7.80/3.90 A	Noise level ²	: 65.0 dB(A)
Rated speed	: 3500 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight ³	: 69.5 lb
Rated torque	: 11.3 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1818 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	88.3	86.6	88.5	87.0	88.5	87.9
	85.1	86.0	87.4	88.1		
Power Factor	0.44	0.41	0.72	0.68	0.82	0.80
	0.33	0.60	0.71	0.80		

		<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	22/10/2025			
			Revision	