

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP Standard Efficiency Three-Phase Product code : 11150358

Frame	: 254T	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 21.3-19.3/9.63 A	Protection degree	: IP23
L. R. Amperes	: 128-116/57.8 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: F-2
No load current	: 6.63-6.00/3.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1115 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 7.08 %	Starting method	: Direct On Line
Rated torque	: 35.3 ft.lb	Approx. weight ³	: 164 lb
Locked rotor torque	: 320 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 2.39 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	79.4	80.0	81.5	81.5	Max. traction : -81 lb
Power Factor	0.53	0.76	0.84	0.88	Max. compression : 81 lb

	Drive end	Non drive end
Bearing type	: 6309 Z C3	: 6209 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 20000 h	: 20000 h
Lubricant amount	: 13 g	: 9 g
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 Revision 1 / 1		
Checked by				
Date	26/03/2024			