

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP Standard Efficiency Three-Phase Product code : 11744163
Catalog # : 01012OS3EOW256T

Frame	: 256T	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 10 HP (7.5 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	: 29.9-27.0/13.5 A	Protection degree	: IP23
L. R. Amperes	: 179-162/81.0 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code H)	Mounting	: F-2
No load current	: 15.3-13.8/6.90 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1110 rpm	Noise level ²	: 57.0 dB(A)
Slip	: 7.50 %	Starting method	: Direct On Line
Rated torque	: 47.3 ft.lb	Approx. weight ³	: 260 lb
Locked rotor torque	: 300 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 3.41 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	83.3	83.0	84.0	83.0	Max. traction : -129 lb
Power Factor	0.39	0.65	0.78	0.84	Max. compression : 129 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					
Checked by					
Date	26/03/2024				
				Page	Revision
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