DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12735166
		Catalog # :	01012OT3E256T-S

Frame	: 254/6T	Locked rotor time	: 61s (cold) 34s (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	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 27.8/13.9 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 147/73.7 A	Mounting	: F-1
LRC	: 5.3x(Code G)	Rotation¹	: Both (CW and CCW)
No load current	: 14.7/7.33 A	Noise level²	: 59.0 dB(A)
Rated speed	: 1180 rpm	Starting method	: Direct On Line
Slip	: 1.67 %	Approx. weight³	: 215 lb
Rated torque	: 44.5 ft.lb		
Locked rotor torque	: 210 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.50 sq.ft.lb		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	91.0 90.1 89.2	91.7 89.7 89.8	91.7 88.0 89.0
Power Factor	0.56 0.63 0.56	0.68 0.74 0.68	0.74 0.78 0.75

Foundation loads	
Max. traction	: 461 lb
Max. compression	: 676 lb

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6208 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	8 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			Page	Revision
Date	30/06/2024		1 / 1	

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