

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :								
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	15345245				
			Catalog # :	01518OT3E254T-SGH				
Frame	: 254/6T	Locked rotor time	: 30s (cold) 17s (hot)					
Output	: 15 HP (11 kW)	Temperature rise	: 80 K					
Poles	: 4	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	: 37.2/18.6 A	Cooling method	: IC01 - ODP					
L. R. Amperes	: 249/125 A	Mounting	: F-1					
LRC	: 6.7x(Code H)	Rotation ¹	: Both (CW and CCW)					
No load current	: 19.0/9.50 A	Noise level ²	: 64.0 dB(A)					
Rated speed	: 1775 rpm	Starting method	: Direct On Line					
Slip	: 1.39 %	Approx. weight ³	: 190 lb					
Rated torque	: 44.4 ft.lb							
Locked rotor torque	: 240 %							
Breakdown torque	: 300 %							
Insulation class	: H							
Service factor	: 1.15							
Moment of inertia (J)	: 1.82 sq.ft.lb							
Design	: B							
Output	25%	50%	75%	100%				
Efficiency (%)	91.0	92.3	91.7	91.3				
	90.6	90.3	90.9	90.3				
Power Factor	0.36	0.45	0.62	0.71				
	0.37	0.62	0.75	0.81				
Foundation loads								
	Max. traction		: 599 lb					
	Max. compression		: 789 lb					
Bearing type	: 6309 Z C3		Drive end	Non drive end				
Sealing	: Without Bearing Seal		6208 Z C3	Without Bearing Seal				
Lubrication interval	: 20000 h		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.								
Rev.	Changes Summary			Performed				
				Checked				
Performed by								
Checked by				Page				
Date	26/03/2024			Revision				
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