

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12735930
				Catalog # : 00712ET3H254T-S
Frame	: 254/6T	Locked rotor time	: 75s (cold) 42s (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	: 575 V	Altitude	: 1000 m.a.s.l.	
Rated current	: 7.98 A	Protection degree	: IP55	
L. R. Amperes	: 43.1 A	Cooling method	: IC411 - TEFC	
LRC	: 5.4x(Code G)	Mounting	: F-1	
No load current	: 4.02 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1175 rpm	Noise level ²	: 59.0 dB(A)	
Slip	: 2.08 %	Starting method	: Direct On Line	
Rated torque	: 33.5 ft.lb	Approx. weight ³	: 208 lb	
Locked rotor torque	: 200 %			
Breakdown torque	: 229 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 2.34 sq.ft.lb			
Design	: B			
Output	25%	50%	75%	100%
Efficiency (%)	88.1	89.5	89.5	91.0
Power Factor	0.35	0.58	0.70	0.76
Foundation loads				
		Max. traction	: 265 lb	
		Max. compression	: 474 lb	
Drive end				
Bearing type	:	6309 Z C3	Non drive end	
Sealing	:	V'Ring	6208 Z C3	
Lubrication interval	:	20000 h	Without Bearing Seal	
Lubricant amount	:	13 g	20000 h	
Lubricant type	:		8 g	
			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				
Date	27/03/2024			
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