

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14494122			
		Catalog # : 00712OT3H254TC-W40			
Frame	: 254TC		Locked rotor time	: 28s (cold) 16s (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	: 7.88 A		Protection degree	: IP23	
L. R. Amperes	: 51.2 A		Cooling method	: IC01 - ODP	
LRC	: 6.5x(Code H)		Mounting	: F-1	
No load current	: 4.32 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1180 rpm		Noise level ²	: 59.0 dB(A)	
Slip	: 1.67 %		Starting method	: Direct On Line	
Rated torque	: 33.4 ft.lb		Approx. weight ³	: 255 lb	
Locked rotor torque	: 240 %				
Breakdown torque	: 300 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 2.29 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	86.0	87.5	89.5	91.0	
Power Factor	0.34	0.58	0.70	0.77	
	Foundation loads				
	Max. traction				
	Max. compression				
	<u>Drive end</u>		<u>Non drive end</u>		
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
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Checked by				Page	Revision
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