

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : ODP NEMA Premium Efficiency Three-Phase		Product code : 11715460			
		Catalog # : 01518OT3HCD254T			
Frame	: 254T		Locked rotor time	: 25s (cold) 14s (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	: 575 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 14.9 A		Protection degree	: IP23	
L. R. Amperes	: 100 A		Cooling method	: IC01 - ODP	
LRC	: 6.7x(Code H)		Mounting	: F-1	
No load current	: 7.20 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1775 rpm		Noise level ²	: 59.0 dB(A)	
Slip	: 1.39 %		Starting method	: Direct On Line	
Rated torque	: 44.4 ft.lb		Approx. weight ³	: 243 lb	
Locked rotor torque	: 290 %				
Breakdown torque	: 300 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 2.08 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	91.0	91.7	92.4	93.0	
Power Factor	0.36	0.60	0.72	0.80	
Foundation loads					
Max. traction : 517 lb					
Max. compression : 760 lb					
		<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.		
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