

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	14015790	
				Catalog # :	01518OT3J254T-S	
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	:	380 V		Altitude	: 1000 m.a.s.l.	
Rated current	:	22.5 A		Cooling method	: IC01 - ODP	
L. R. Amperes	:	151 A		Mounting	: F-1	
LRC	:	6.7x(Code H)		Rotation ¹	: Both (CW and CCW)	
No load current	:	11.5 A		Noise level ²	: 64.0 dB(A)	
Rated speed	:	1775 rpm		Starting method	: Direct On Line	
Slip	:	1.39 %		Approx. weight ³	: 189 lb	
Rated torque	:	44.4 ft.lb				
Locked rotor torque	:	240 %				
Breakdown torque	:	300 %				
Insulation class	:	F				
Service factor	:	1.15				
Moment of inertia (J)	:	1.82 sq.ft.lb				
Design	:	B				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	92.4	93.0	Max. traction : 544 lb	
Power Factor	0.36	0.62	0.73	0.80	Max. compression : 733 lb	
		<u>Drive end</u>		<u>Non drive end</u>		
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.			
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