

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14495003
			Catalog # :	02036OT3H254T-W40
Frame : 254T Output : 20 HP (15 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 19.5 A L. R. Amperes : 123 A LRC : 6.3x(Code G) No load current : 6.32 A Rated speed : 3530 rpm Slip : 1.94 % Rated torque : 29.8 ft.lb Locked rotor torque : 200 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.8718 sq.ft.lb Design : B		Locked rotor time : 19s (cold) 11s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 195 lb		
Output	25%	50%	75%	100%
Efficiency (%)	90.0	90.2	91.0	91.0
Power Factor	0.49	0.72	0.82	0.85
Foundation loads Max. traction Max. compression				
Bearing type : 6309 Z C3 Sealing : Without Bearing Seal Lubrication interval : 20000 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM				
Non drive end : 6209 Z C3 Without Bearing Seal 20000 h 9 g				
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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