

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14496680		
				Catalog # : 03036OT3V284TS-W40		
Frame : 284TS Output : 30 HP (22 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 200/400 V Rated current : 80.5/40.3 A L. R. Amperes : 507/254 A LRC : 6.3x(Code G) No load current : 28.8/14.4 A Rated speed : 3545 rpm Slip : 1.53 % Rated torque : 44.4 ft.lb Locked rotor torque : 180 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 1.59 sq.ft.lb Design : B				Locked rotor time : 18s (cold) 10s (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) Noise level ² : 73.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 303 lb		
Output	25%	50%	75%	100%		
Efficiency (%)	90.0	90.2	91.7	91.7		
Power Factor	0.48	0.73	0.82	0.86		
Bearing type : 6311 Z C3 Sealing : Without Bearing Seal Lubrication interval : 20000 h Lubricant amount : 18 g Lubricant type : Mobil Polyrex EM						
<u>Drive end</u> Non drive end 6211 Z C3 Without Bearing Seal 20000 h 11 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.			
Rev.	Changes Summary			Performed		
				Checked		
Performed by				Page		
Checked by				Revision		
Date	29/03/2024			1 / 1		