

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 High Efficiency Three-Phase		Product code : 14282350		Catalog # : 10018OP3VFP404TS-W40	
Frame : 404/5TS	Output : 100 HP (75 kW)	Poles : 4	Frequency : 60 Hz	Rated voltage : 200/400 V	
Rated current : 267/133 A	L. R. Amperes : 1654/827 A	LRC : 6.2x(Code G)	No load current : 88.5/44.3 A	Rated speed : 1775 rpm	
Slip : 1.39 %	Rated torque : 296 ft.lb	Locked rotor torque : 220 %	Breakdown torque : 250 %	Insulation class : F	
Service factor : 1.15	Moment of inertia (J) : 17.5 sq.ft.lb	Design : B	Locked rotor time : 25s (cold) 14s (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 : 880 lb		
Output	25%	50%	75%	100%	
Efficiency (%)	93.5	93.6	94.1	94.1	
Power Factor	0.50	0.76	0.84	0.86	
Foundation loads					
Max. traction : 1778 lb					
Max. compression : 2658 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type :	6314 C3		6212 Z C3		
Sealing :	Without Bearing Seal		Without Bearing Seal		
Lubrication interval :	20000 h		20000 h		
Lubricant amount :	27 g		13 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
Performed by					
Checked by					
Date	26/03/2024			Page	Revision
				1 / 1	