

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W40 High Efficiency Three-Phase			Product code : 14282266			
			Catalog # : 10018OP3HFP404TS-W40			
Frame : 404/5TS Output : 100 HP (75 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 92.8 A L. R. Amperes : 575 A LRC : 6.2x(Code G) No load current : 30.8 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 : 879 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 : 2657 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					Page	Revision
Date	26/03/2024				1 / 1	