

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W40 High Efficiency Three-Phase		Product code : 15676850		
		Catalog # : 10030OP3OFP365TS-W40		
Frame : 364/5TS Output : 100 HP (75 kW) Poles : 2 Frequency : 50 Hz Rated voltage : 380 V Rated current : 135 A L. R. Amperes : 837 A LRC : 6.2x(Code F) No load current : 25.0 A Rated speed : 2954 rpm Slip : 1.53 % Rated torque : 178 ft.lb Locked rotor torque : 140 % Breakdown torque : 200 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 9.20 sq.ft.lb Design : B		Locked rotor time : 36s (cold) 20s (hot) Temperature rise : 70 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +50°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 : 805 lb		
Output	25%	50%	75%	100%
Efficiency (%)	92.8	92.5	93.0	93.0
	92.2	93.0	93.0	93.0
Power Factor	0.74	0.70	0.87	0.85
	0.66	0.83	0.88	0.90
Foundation loads		Max. traction : 1116 lb		
		Max. compression : 1921 lb		
Bearing type :		Drive end 6314 C3	Non drive end 6212 Z C3	
Sealing :		Without Bearing Seal	Without Bearing Seal	
Lubrication interval :		4500 h	4500 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
Performed by			Page	Revision
Checked by				
Date	26/03/2024		1 / 1	