

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W40 High Efficiency Three-Phase		Product code : 15097426	
				Catalog # : 30036OP3JFP447/9TSW4	
Frame : 447/9TS Output : 300 HP (220 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 380 V Rated current : 400 A L. R. Amperes : 2640 A LRC : 6.6x(Code G) No load current : 95.5 A Rated speed : 3565 rpm Slip : 0.97 % Rated torque : 61.1 kgfm Locked rotor torque : 140 % Breakdown torque : 240 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.38 kgm ² Design : B			Locked rotor time : 54s (cold) 30s (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 : 85.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 825 kg		
Output		25%	50%	75%	100%
Efficiency (%)		0.000	94.5	95.0	95.0
Power Factor		0.00	0.82	0.87	0.88
Foundation loads					
Max. traction : 869 kgf					
Max. compression : 1694 kgf					
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type		: 6314 C3		: 6314 C3	
Sealing		: Without Bearing Seal		: Without Bearing Seal	
Lubrication interval		: 14418 h		: 14418 h	
Lubricant amount		: 27 g		: 27 g	
Lubricant type		: Mobil Polyrex EM			
Notes UL/Fire Pump.					
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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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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