

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																		
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	16083045																														
			Catalog # :	12536OT3G404TS-RFW40																														
Frame : 404/5TS Output : 125 HP Poles : 2 Frequency : 60 Hz Rated voltage : 460 V Rated current : 136 A L. R. Amperes : 925 A LRC : 6.8x(Code G) No load current : 36.0 A Rated speed : 3557 rpm Slip : 1.19 % Rated torque : 185 ft.lb Locked rotor torque : 170 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 8.23 sq.ft.lb Design : B		Locked rotor time : 21s (cold) 12s (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 : 84.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 886 lb																																
Output	25%	50%	75%	100%																														
Efficiency (%)	0.000	93.0	94.1	94.1																														
Power Factor	0.00	0.79	0.86	0.88																														
<table> <tr> <td colspan="2"></td><td>Drive end</td><td colspan="2">Non drive end</td></tr> <tr> <td>Bearing type</td><td>6314 C4</td><td>6212 Z C4</td><td colspan="2"></td></tr> <tr> <td>Sealing</td><td>Without Bearing Seal</td><td>Without Bearing Seal</td><td colspan="2"></td></tr> <tr> <td>Lubrication interval</td><td>1200 h</td><td>1200 h</td><td colspan="2"></td></tr> <tr> <td>Lubricant amount</td><td>10 g</td><td>10 g</td><td colspan="2" rowspan="3"></td></tr> <tr> <td>Lubricant type</td><td colspan="4" rowspan="2">Mobil Polyrex EM</td></tr> </table>							Drive end	Non drive end		Bearing type	6314 C4	6212 Z C4			Sealing	Without Bearing Seal	Without Bearing Seal			Lubrication interval	1200 h	1200 h			Lubricant amount	10 g	10 g			Lubricant type	Mobil Polyrex EM			
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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																														
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Customer :

Space heater information

Voltage: 110-127/200-240 V

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