

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																																		
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	16213619																														
			Catalog # :	15036OT3G405TSC-RFW4																														
Frame : 404/5TSC Output : 150 HP (110 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 460 V Rated current : 167 A L. R. Amperes : 1102 A LRC : 6.6x(Code G) No load current : 40.0 A Rated speed : 3552 rpm Slip : 1.33 % Rated torque : 222 ft.lb Locked rotor torque : 200 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 8.80 sq.ft.lb Design : B		Locked rotor time : 16s (cold) 9s (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 <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 84.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 931 lb																																
Output	25%	50%	75%	100%																														
Efficiency (%)	0.000	93.6	94.1	94.1																														
Power Factor	0.00	0.79	0.86	0.88																														
<table> <tr> <th></th><th colspan="2">Drive end</th><th colspan="2">Non drive end</th></tr> <tr> <td>Bearing type</td><td colspan="2">: 6314 C4</td><td colspan="2">6212 Z C4</td></tr> <tr> <td>Sealing</td><td colspan="2">: Without Bearing Seal</td><td colspan="2">Without Bearing Seal</td></tr> <tr> <td>Lubrication interval</td><td colspan="2">: 14418 h</td><td colspan="2">20000 h</td></tr> <tr> <td>Lubricant amount</td><td colspan="2">: 27 g</td><td colspan="2" rowspan="3">13 g</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	: 14418 h		20000 h		Lubricant amount	: 27 g		13 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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Date	29/03/2024																																	
		Page	Revision																															
		1 / 2																																

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### Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	29/03/2024			2 / 2	