

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																						
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494126																		
			Catalog # :	01512OT3E284T-W40																		
Frame	: 284T	Locked rotor time	: 28s (cold) 16s (hot)																			
Output	: 15 HP (11 kW)	Temperature rise	: 80 K																			
Poles	: 6	Duty cycle	: Cont.(S1)																			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																			
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.																			
Rated current	: 36.8/18.4 A	Protection degree	: IP23																			
L. R. Amperes	: 232/116 A	Cooling method	: IC01 - ODP																			
LRC	: 6.3x(Code G)	Mounting	: F-1																			
No load current	: 15.6/7.80 A	Rotation <sup>1</sup>	: Both (CW and CCW)																			
Rated speed	: 1180 rpm	Noise level <sup>2</sup>	: 59.0 dB(A)																			
Slip	: 1.67 %	Starting method	: Direct On Line																			
Rated torque	: 66.8 ft.lb	Approx. weight <sup>3</sup>	: 316 lb																			
Locked rotor torque	: 260 %																					
Breakdown torque	: 260 %																					
Insulation class	: F																					
Service factor	: 1.25																					
Moment of inertia (J)	: 4.80 sq.ft.lb																					
Design	: B																					
Output	25%	50%	75%	100%																		
Efficiency (%)	90.8	88.3	91.0	88.6	91.7	89.0	91.7	89.1														
	88.4	88.4	88.6	88.6	89.0	89.0	89.1	89.1														
Power Factor	0.42	0.37	0.67	0.62	0.77	0.75	0.82	0.81														
	0.33	0.31	0.58	0.55	0.71	0.68	0.79	0.76														
<table> <tr> <td></td><td style="text-align: center;">Drive end</td><td style="text-align: center;">Non drive end</td></tr> <tr> <td>Bearing type</td><td>: 6311 Z C3</td><td>: 6211 Z C3</td></tr> <tr> <td>Sealing</td><td>: Without Bearing Seal</td><td>: Without Bearing Seal</td></tr> <tr> <td>Lubrication interval</td><td>: 20000 h</td><td>: 20000 h</td></tr> <tr> <td>Lubricant amount</td><td>: 18 g</td><td>: 11 g</td></tr> <tr> <td>Lubricant type</td><td colspan="2" rowspan="3">: Mobil Polyrex EM</td></tr> </table>						Drive end	Non drive end	Bearing type	: 6311 Z C3	: 6211 Z C3	Sealing	: Without Bearing Seal	: Without Bearing Seal	Lubrication interval	: 20000 h	: 20000 h	Lubricant amount	: 18 g	: 11 g	Lubricant type	: Mobil Polyrex EM	
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<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>																						
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																						
Checked by																						
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				Revision																		