

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code : 15197500												
				Catalog # : 01518ET3EPM254/6Y-W2												
Frame	: 256TZ	Locked rotor time	: 30s (cold) 17s (hot)													
Output	: 15 HP (11 kW)	Temperature rise	: 80 K													
Poles	: 4	Duty cycle	: Cont.(S1)													
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C													
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.													
Rated current	: 39.8-36.0/18.0 A	Protection degree	: IP55													
L. R. Amperes	: 255-230/115 A	Cooling method	: IC418 - TEAO													
LRC	: 6.4x(Code G)	Mounting	: F-1													
No load current	: 11.7-14.0/7.00 A	Rotation <sup>1</sup>	: Both (CW and CCW)													
Rated speed	: 1768 rpm	Starting method	: Direct On Line													
Slip	: 1.78 %	Approx. weight <sup>3</sup>	: 298 lb													
Rated torque	: 44.6 ft.lb															
Locked rotor torque	: 240 %															
Breakdown torque	: 260 %															
Insulation class	: F															
Service factor	: 1.25															
Moment of inertia (J)	: 2.62 sq.ft.lb															
Design	: B															
Output	25%	50%	75%	100%												
Efficiency (%)	0.000 0.000	91.0 91.0	91.7 90.2	90.2 92.4												
Power Factor	0.00 0.00	0.68 0.74	0.78 0.82	0.82 0.86												
<table border="0"> <tr> <td style="width: 33.33%; text-align: center;"><u>Drive end</u></td> <td style="width: 33.33%; text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td>Bearing type : 6309 C3</td> <td>6209 C3</td> </tr> <tr> <td>Sealing : V'Ring</td> <td>V'Ring</td> </tr> <tr> <td>Lubrication interval : 20000 h</td> <td>20000 h</td> </tr> <tr> <td>Lubricant amount : 13 g</td> <td>9 g</td> </tr> <tr> <td>Lubricant type : Mobil Polyrex EM</td> <td></td> </tr> </table>					<u>Drive end</u>	<u>Non drive end</u>	Bearing type : 6309 C3	6209 C3	Sealing : V'Ring	V'Ring	Lubrication interval : 20000 h	20000 h	Lubricant amount : 13 g	9 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>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>													
Rev.	Changes Summary			Performed												
				Checked												
Performed by				Page												
Checked by				Revision												
Date	28/03/2024			1 / 1												