

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																																
Product line	: W22 NEMA Premium Efficiency Three-Phase			Product code :	11458665																																											
				Catalog # :	01012ET3H256T-W22																																											
Frame	: 254/6T	Locked rotor time	: 46s (cold) 26s (hot)																																													
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K																																													
Poles	: 6	Duty cycle	: Cont.(S1)																																													
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																																													
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.																																													
Rated current	: 10.6 A	Protection degree	: IP55																																													
L. R. Amperes	: 69.2 A	Cooling method	: IC411 - TEFC																																													
LRC	: 6.5x(Code H)	Mounting	: F-1																																													
No load current	: 4.80 A	Rotation ¹	: Both (CW and CCW)																																													
Rated speed	: 1175 rpm	Noise level ²	: 59.0 dB(A)																																													
Slip	: 2.08 %	Starting method	: Direct On Line																																													
Rated torque	: 44.7 ft.lb	Approx. weight ³	: 302 lb																																													
Locked rotor torque	: 229 %																																															
Breakdown torque	: 280 %																																															
Insulation class	: F																																															
Service factor	: 1.25																																															
Moment of inertia (J)	: 4.43 sq.ft.lb																																															
Design	: B																																															
Output	50%	75%	100%	Foundation loads																																												
Efficiency (%)	90.2	91.0	91.0	Max. traction	: 449 lb																																											
Power Factor	0.63	0.74	0.78	Max. compression	: 751 lb																																											
Losses at normative operating points (speed;torque), in percentage of rated output power																																																
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)																																										
9.8	8.4	7.8	5.0	3.6	2.5	1.8																																										
<table border="0"> <tr> <td colspan="4" style="text-align: center;">Drive end</td><td colspan="3" style="text-align: center;">Non drive end</td></tr> <tr> <td>Bearing type</td><td>: 6309 C3</td><td></td><td></td><td>6209 C3</td><td></td><td></td></tr> <tr> <td>Sealing</td><td>: V'Ring</td><td></td><td></td><td>V'Ring</td><td></td><td></td></tr> <tr> <td>Lubrication interval</td><td>: 20000 h</td><td></td><td></td><td>20000 h</td><td></td><td></td></tr> <tr> <td>Lubricant amount</td><td>: 13 g</td><td></td><td></td><td>9 g</td><td></td><td></td></tr> <tr> <td>Lubricant type</td><td>: Mobil Polyrex EM</td><td></td><td></td><td></td><td></td><td></td></tr> </table>							Drive end				Non drive end			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					
Drive end				Non drive end																																												
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																																															
Notes:																																																
<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	Date																																										
Performed by					Page	Revision																																										
Checked by																																																
Date	26/03/2024				1 / 1																																											