

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																									
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code :	11564991																																				
				Catalog # :	30012ET3G586/7-W22																																				
Frame	: 586/7T	Locked rotor time	: 54s (cold) 30s (hot)																																						
Output	: 300 HP (220 kW)	Temperature rise	: 80 K																																						
Poles	: 6	Duty cycle	: Cont.(S1)																																						
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																																						
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.																																						
Rated current	: 374 A	Protection degree	: IP55																																						
L. R. Amperes	: 2244 A	Cooling method	: IC411 - TEFC																																						
LRC	: 6.0x(Code G)	Mounting	: F-1																																						
No load current	: 181 A	Rotation ¹	: Both (CW and CCW)																																						
Rated speed	: 1193 rpm	Noise level ²	: 77.0 dB(A)																																						
Slip	: 0.58 %	Starting method	: Direct On Line																																						
Rated torque	: 1320 ft.lb	Approx. weight ³	: 3625 lb																																						
Locked rotor torque	: 210 %																																								
Breakdown torque	: 250 %																																								
Insulation class	: F																																								
Service factor	: 1.15																																								
Moment of inertia (J)	: 277 sq.ft.lb																																								
Design	: B																																								
Output	25%	50%	75%	100%	Foundation loads																																				
Efficiency (%)	93.9	93.6	94.3	94.0	95.5	95.5	95.8	95.8																																	
	93.4	92.6	94.0	93.5	95.3	95.0	95.8	95.8																																	
Power Factor	0.36	0.37	0.60	0.61	0.71	0.72	0.77	0.78	Max. traction	: 6179 lb																															
	0.34	0.30	0.58	0.52	0.69	0.65	0.75	0.72	Max. compression	: 9803 lb																															
Losses at normative operating points (speed;torque), in percentage of rated output power																																									
Losses (%)	P1 (0,9;1,0)	4.8	4.8	4.8	4.8																																				
	P2 (0,5;1,0)	3.7	3.7	3.7	3.7																																				
	P3 (0,25;1,0)	3.1	3.1	3.1	3.1																																				
	P4 (0,9;0,5)	2.7	2.7	2.7	2.7																																				
	P5 (0,5;0,5)	1.8	1.8	1.8	1.8																																				
	P6 (0,5;0,25)	1.4	1.4	1.4	1.4																																				
	P7 (0,25;0,25)	0.8	0.8	0.8	0.8																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th><th style="text-align: center;">Drive end</th><th colspan="4" style="text-align: center;">Non drive end</th></tr> </thead> <tbody> <tr> <td>Bearing type</td><td style="text-align: center;">: 6322 C3</td><td style="text-align: center;">6319 C3</td><td></td><td></td><td></td></tr> <tr> <td>Sealing</td><td style="text-align: center;">: Taconite Labyrinth</td><td style="text-align: center;">Taconite Labyrinth</td><td></td><td></td><td></td></tr> <tr> <td>Lubrication interval</td><td style="text-align: center;">: 11000 h</td><td style="text-align: center;">13000 h</td><td></td><td></td><td></td></tr> <tr> <td>Lubricant amount</td><td style="text-align: center;">: 60 g</td><td style="text-align: center;">45 g</td><td></td><td></td><td></td></tr> <tr> <td>Lubricant type</td><td style="text-align: center;">: Mobil Polyrex EM</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>							Drive end	Non drive end				Bearing type	: 6322 C3	6319 C3				Sealing	: Taconite Labyrinth	Taconite Labyrinth				Lubrication interval	: 11000 h	13000 h				Lubricant amount	: 60 g	45 g				Lubricant type	: Mobil Polyrex EM				
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Customer :

Space heater information

Voltage: 200 - 240 V

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