

DATA SHEET

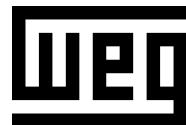
Three Phase Induction Motor - Squirrel Cage



Customer :																							
Product line	: W22 High Efficiency Three-Phase		Product code :	11745122																			
Frame	: 586/7T		Locked rotor time	: 39s (cold) 22s (hot)																			
Output	: 350 HP (260 kW)		Temperature rise	: 80 K																			
Poles	: 8		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	: 424 A		Protection degree	: IP55																			
L. R. Amperes	: 2714 A		Cooling method	: IC411 - TEFC																			
LRC	: 6.4x(Code G)		Mounting	: F-1																			
No load current	: 260 A		Rotation ¹	: Both (CW and CCW)																			
Rated speed	: 895 rpm		Noise level ²	: 75.0 dB(A)																			
Slip	: 0.56 %		Starting method	: Direct On Line																			
Rated torque	: 2050 ft.lb		Approx. weight ³	: 4460 lb																			
Locked rotor torque	: 150 %																						
Breakdown torque	: 220 %																						
Insulation class	: F																						
Service factor	: 1.15																						
Moment of inertia (J)	: 484 sq.ft.lb																						
Output	25%	50%	75%	100%																			
Efficiency (%)	95.1	94.8	95.4	95.0																			
Power Factor	0.35	0.66	0.77	0.81																			
Foundation loads																							
			Max. traction	: 7196 lb																			
			Max. compression	: 11656 lb																			
<table border="0"> <tr> <td></td><td>Drive end</td><td>Non drive end</td></tr> <tr> <td>Bearing type</td><td>: 6322 C3</td><td>6319 C3</td></tr> <tr> <td>Sealing</td><td>: Taconite Labyrinth</td><td>Taconite Labyrinth</td></tr> <tr> <td>Lubrication interval</td><td>: 14000 h</td><td>17000 h</td></tr> <tr> <td>Lubricant amount</td><td>: 60 g</td><td>45 g</td></tr> <tr> <td>Lubricant type</td><td colspan="3" rowspan="3">: Mobil Polyrex EM</td></tr> </table>						Drive end	Non drive end	Bearing type	: 6322 C3	6319 C3	Sealing	: Taconite Labyrinth	Taconite Labyrinth	Lubrication interval	: 14000 h	17000 h	Lubricant amount	: 60 g	45 g	Lubricant type	: Mobil Polyrex EM		
	Drive end	Non drive end																					
Bearing type	: 6322 C3	6319 C3																					
Sealing	: Taconite Labyrinth	Taconite Labyrinth																					
Lubrication interval	: 14000 h	17000 h																					
Lubricant amount	: 60 g	45 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>																							
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																							
Date	29/03/2024																						
		Page	Revision																				
		1 / 2																					

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Space heater information

Voltage: 200 - 240 V

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