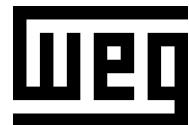


DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :																																		
Product line	: W22 Single-Phase		Product code :	14116295																														
			Catalog # :	00718ES1EID215TC-W22																														
Frame	: 213/5TC		Locked rotor time	: 10s (cold) 6s (hot)																														
Output	: 7.5 HP (5.5 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	: 32.0-30.0/15.0 A		Protection degree	: IP55																														
L. R. Amperes	: 246-231/116 A		Cooling method	: IC411 - TEFC																														
LRC	: 7.7x(Code H)		Mounting	: F-1																														
No load current	: 8.97-10.4/5.20 A		Rotation ¹	: Both (CW and CCW)																														
Rated speed	: 1750 rpm		Noise level ²	: 63.0 dB(A)																														
Slip	: 2.78 %		Starting method	: Direct On Line																														
Rated torque	: 22.5 ft.lb		Approx. weight ³	: 184 lb																														
Locked rotor torque	: 320 %																																	
Breakdown torque	: 250 %																																	
Insulation class	: F																																	
Service factor	: 1.15																																	
Moment of inertia (J)	: 1.09 sq.ft.lb																																	
Output	25%	50%	75%	100%																														
Efficiency (%)	73.6	75.6	81.0	83.0																														
Power Factor	0.61	0.91	0.94	0.96																														
<table border="0"> <tr> <th colspan="2"></th> <th>Drive end</th> <th colspan="2">Non drive end</th> </tr> <tr> <td>Bearing type</td> <td>:</td> <td>6308 ZZ</td> <td>6206 ZZ</td> <td></td> </tr> <tr> <td>Sealing</td> <td>:</td> <td>VRing</td> <td>VRing</td> <td></td> </tr> <tr> <td>Lubrication interval</td> <td>:</td> <td>-</td> <td>-</td> <td></td> </tr> <tr> <td>Lubricant amount</td> <td>:</td> <td>-</td> <td>-</td> <td></td> </tr> <tr> <td>Lubricant type</td> <td>:</td> <td colspan="3" rowspan="4" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>							Drive end	Non drive end		Bearing type	:	6308 ZZ	6206 ZZ		Sealing	:	VRing	VRing		Lubrication interval	:	-	-		Lubricant amount	:	-	-		Lubricant type	:	Mobil Polyrex EM		
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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				
Checked by				
Date	28/03/2024			
			Page	Revision
			1 / 1	