

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :																						
Product line : Rolled Steel Single-Phase			Product code : 17009743																			
Frame	: 56Z		Locked rotor time	: 21s (cold) 12s (hot)																		
Output	: 1 HP (0.75 kW)		Temperature rise	: 80 K																		
Frequency	: 50 Hz		Duty cycle	: Cont.(S1)																		
Rated voltage	: 110/220 V		Ambient temperature	: -20°C to +40°C																		
Poles	: 4		Altitude	: 1000 m.a.s.l.																		
Rated current	: 11.4/5.70 A		Protection degree	: IP55																		
	: 6.3x(Code J)		Cooling method	: IC411 - TEFC																		
Rated speed	: 1430 rpm		Mounting	: F-1																		
Rated torque	: 0.508 kgfm		Rotation ¹	: Both (CW and CCW)																		
Insulation class	: F		Noise level ²	: 54.0 dB(A)																		
Service factor	: 1.00		Starting method	: Direct On Line																		
Moment of inertia (J)	: 0.0046 kgm ²		Approx. weight ³	: 16.0 kg																		
Output	25%	50%	75%	100%																		
Efficiency (%)	0.000	57.0	65.0	70.0																		
Power Factor	0.00	0.60	0.65	0.75																		
Foundation loads																						
Max. traction : 29 kgf																						
Max. compression : 45 kgf																						
<table border="0" style="width:100%"> <tr> <td></td> <td style="text-align:center"><u>Drive end</u></td> <td style="text-align:center"><u>Non drive end</u></td> </tr> <tr> <td>Bearing type</td> <td>: 6204 ZZ</td> <td>6202 ZZ</td> </tr> <tr> <td>Sealing</td> <td>: V'Ring</td> <td>V'Ring</td> </tr> <tr> <td>Lubrication interval</td> <td>: 0 h</td> <td>0 h</td> </tr> <tr> <td>Lubricant amount</td> <td>: 0 g</td> <td>0 g</td> </tr> <tr> <td>Lubricant type</td> <td colspan="2">: Mobil Polyrex EM</td> </tr> </table>						<u>Drive end</u>	<u>Non drive end</u>	Bearing type	: 6204 ZZ	6202 ZZ	Sealing	: V'Ring	V'Ring	Lubrication interval	: 0 h	0 h	Lubricant amount	: 0 g	0 g	Lubricant type	: Mobil Polyrex EM	
	<u>Drive end</u>	<u>Non drive end</u>																				
Bearing type	: 6204 ZZ	6202 ZZ																				
Sealing	: V'Ring	V'Ring																				
Lubrication interval	: 0 h	0 h																				
Lubricant amount	: 0 g	0 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																						
Checked by				Page	Revision																	
Date	11/05/2026			1 / 2																		

LOAD PERFORMANCE CURVE

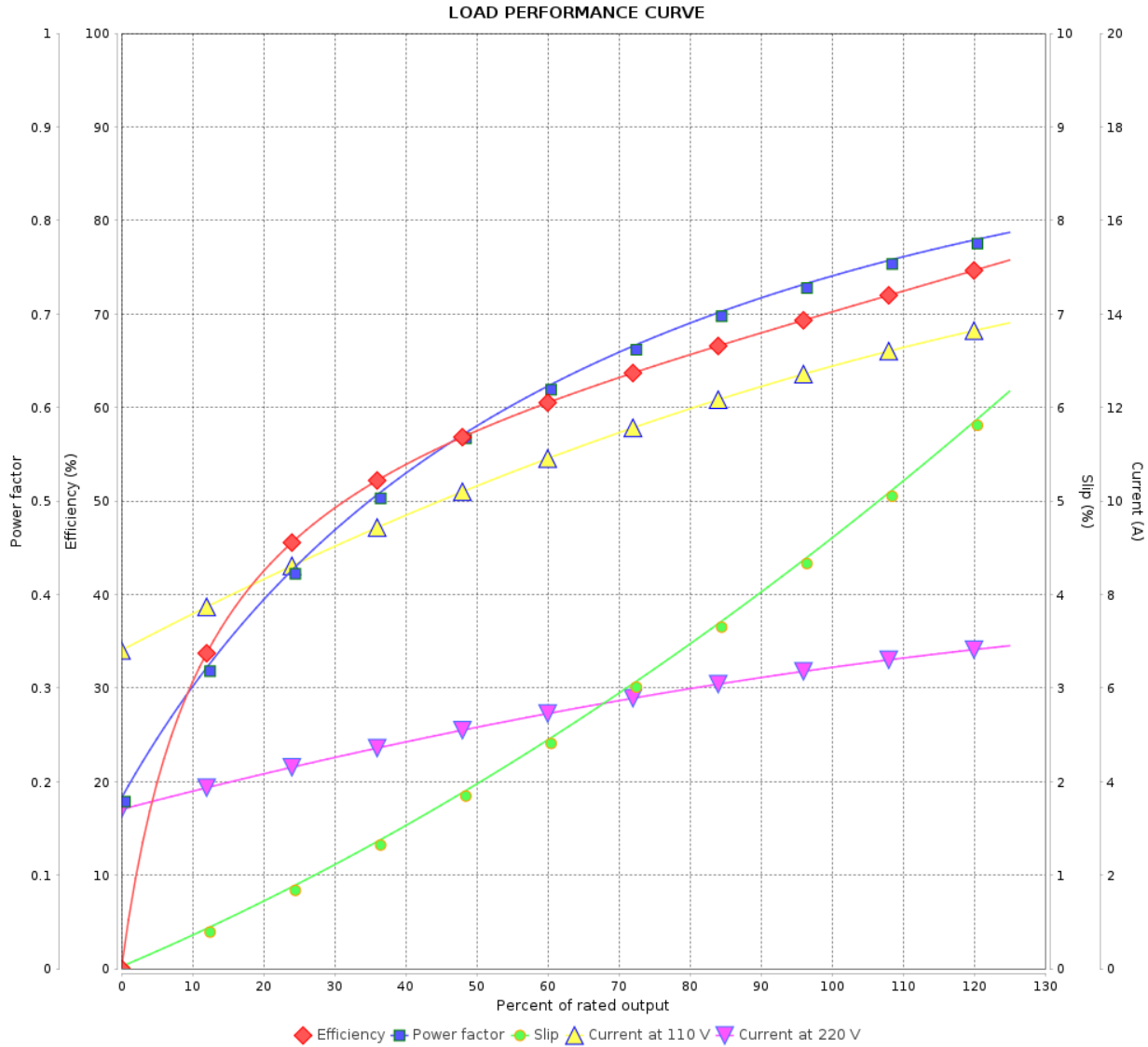
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 17009743



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		2 / 2		
Date		11/05/2026		