

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110																						
Customer reference : 05018OP3EFP326TS-W40																						
Product line : W40 High Efficiency Three-Phase		Product code : 14490960																				
		Catalog # : 05018OP3EFP326TS-W40																				
Frame : 324/6TS Output : 50 HP (37 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 133-120/60.2 A L. R. Amperes : 799-722/361 A LRC : 6.0x(Code G) No load current : 46.2-53.6/26.8 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 146 ft.lb Locked rotor torque : 240 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 5.98 sq.ft.lb Design : B		Locked rotor time : 27s (cold) 15s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 473 lb																				
Output	25%	50%	75%	100%																		
Efficiency (%)	92.2	92.4	93.0	93.0																		
Power Factor	0.41	0.67	0.78	0.83																		
Foundation loads																						
Max. traction																						
Max. compression																						
<table border="0"> <tr> <td></td> <td><u>Drive end</u></td> <td><u>Non drive end</u></td> </tr> <tr> <td>Bearing type :</td> <td>6312 Z C3</td> <td>6211 Z C3</td> </tr> <tr> <td>Sealing :</td> <td>Without Bearing Seal</td> <td>Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td>20000 h</td> <td>20000 h</td> </tr> <tr> <td>Lubricant amount :</td> <td>21 g</td> <td>11 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 :	6312 Z C3	6211 Z C3	Sealing :	Without Bearing Seal	Without Bearing Seal	Lubrication interval :	20000 h	20000 h	Lubricant amount :	21 g	11 g	Lubricant type :	Mobil Polyrex EM	
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Notes downloaded from http://dealerselectric.com																						
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			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	Date																	
Performed by																						
Checked by																						
Date	14/04/2019			Page 1 / 2	Revision																	

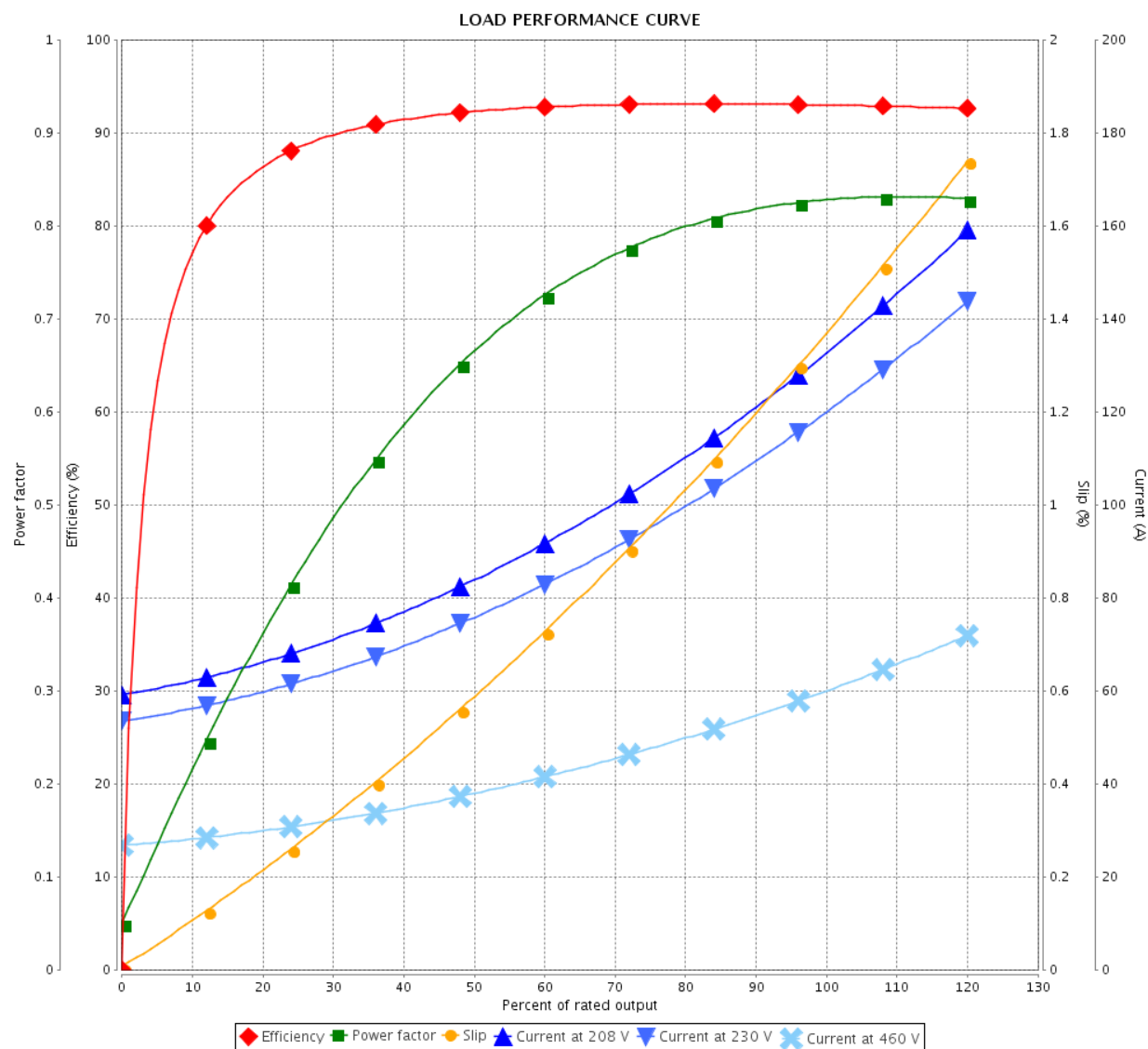
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Rated current : 133-120/60.2 A
LRC : 6.0
Rated torque : 146 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 229 %
Rated speed : 1775 rpm

Moment of inertia (J) : 5.98 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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