

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110		Customer reference : 15018OP3HFP444TS-W40																
Product line : W40 High Efficiency Three-Phase		Product code : 14282848																
		Catalog # : 15018OP3HFP444TS-W40																
Frame : 444/5TS Output : 150 HP (110 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 135 A L. R. Amperes : 865 A LRC : 6.4x(Code G) No load current : 37.2 A Rated speed : 1780 rpm Slip : 1.11 % Rated torque : 437 ft.lb Locked rotor torque : 190 % Breakdown torque : 200 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 42.3 sq.ft.lb Design : B		Locked rotor time : 36s (cold) 20s (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 : 1282 lb																
<table border="1"> <tr> <td>Output</td> <td>25%</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>94.4</td> <td>94.5</td> <td>95.0</td> <td>95.0</td> </tr> <tr> <td>Power Factor</td> <td>0.54</td> <td>0.77</td> <td>0.84</td> <td>0.86</td> </tr> </table>		Output	25%	50%	75%	100%	Efficiency (%)	94.4	94.5	95.0	95.0	Power Factor	0.54	0.77	0.84	0.86	Foundation loads Max. traction : 1718 lb Max. compression : 3000 lb	
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Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<table border="0"> <tr> <td style="text-align: center;"><u>Drive end</u></td> <td style="text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td style="text-align: center;">6314 C3</td> <td style="text-align: center;">6212 Z C3</td> </tr> <tr> <td style="text-align: center;">Without Bearing Seal</td> <td style="text-align: center;">Without Bearing Seal</td> </tr> <tr> <td style="text-align: center;">20000 h</td> <td style="text-align: center;">20000 h</td> </tr> <tr> <td style="text-align: center;">27 g</td> <td style="text-align: center;">13 g</td> </tr> <tr> <td colspan="2" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>		<u>Drive end</u>	<u>Non drive end</u>	6314 C3	6212 Z C3	Without Bearing Seal	Without Bearing Seal	20000 h	20000 h	27 g	13 g	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			Page	Revision														
Date	16/04/2019		1 / 2															

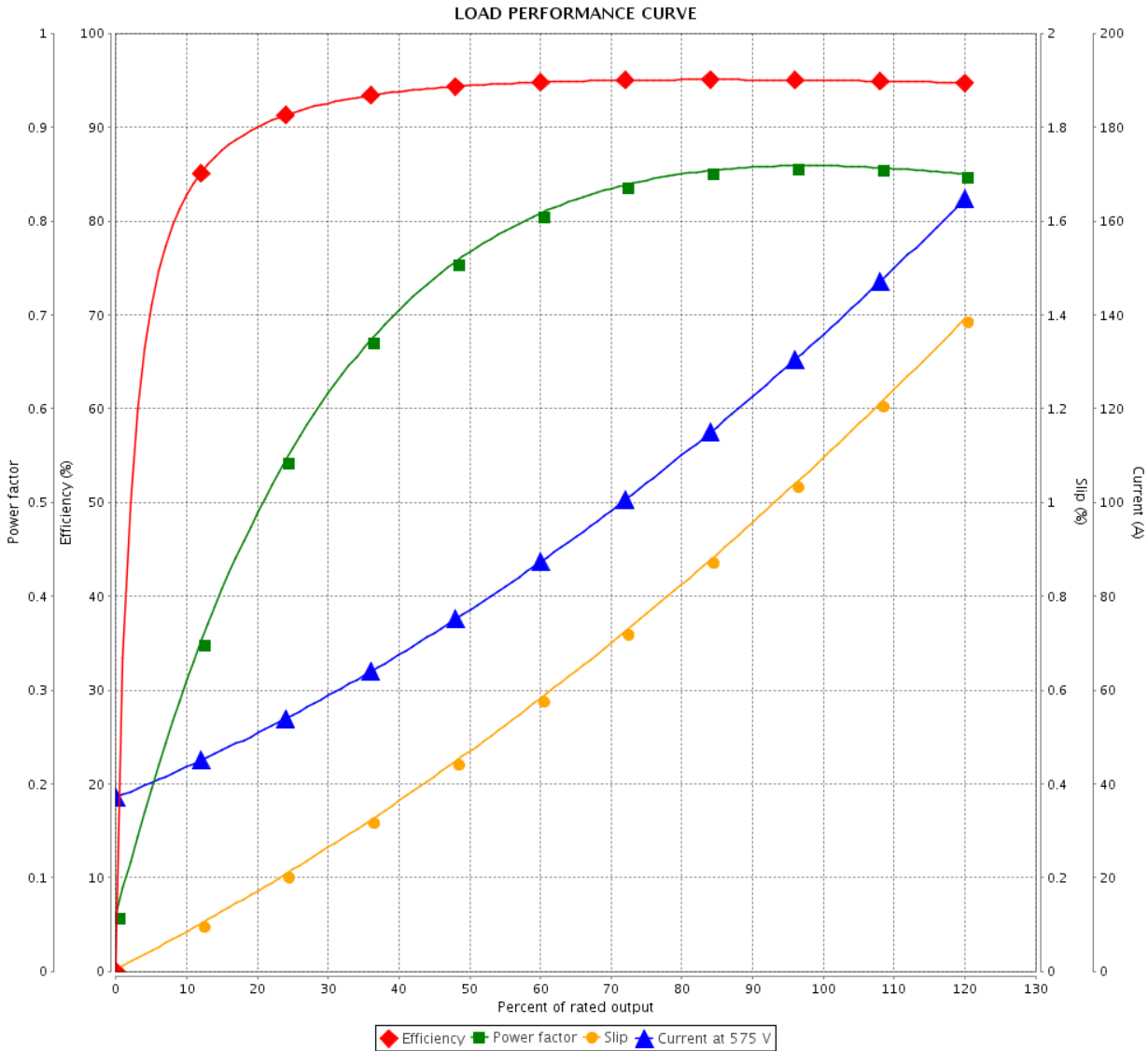
LOAD PERFORMANCE CURVE



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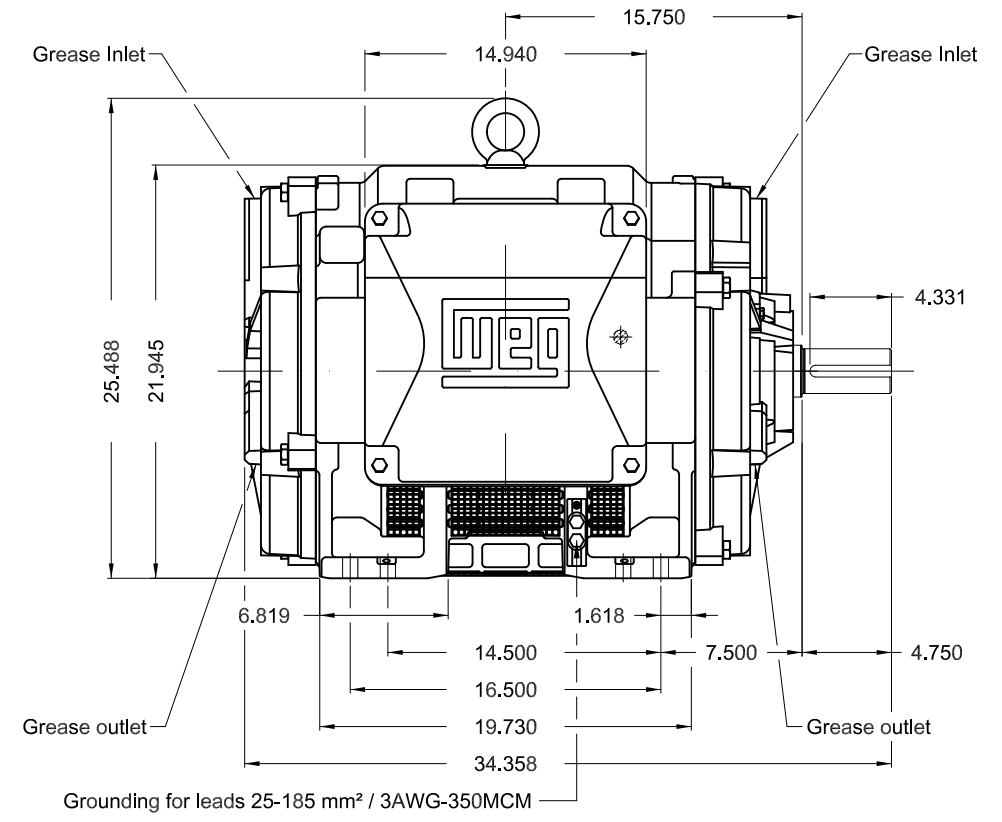
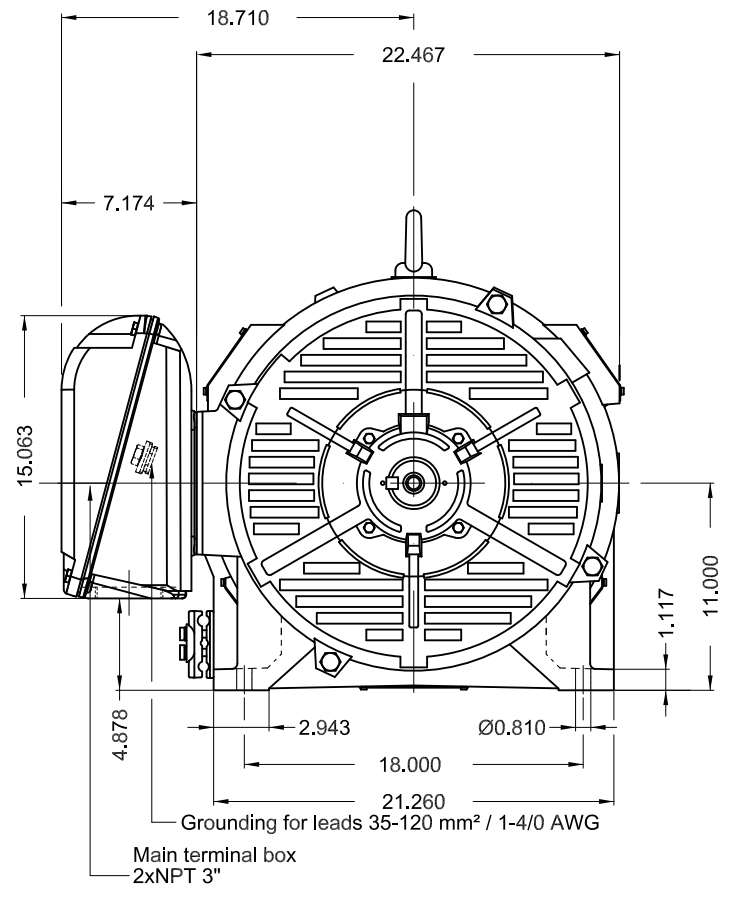
Performance : 575 V 60 Hz 4P

Rated current : 135 A	Moment of inertia (J) : 42.3 sq.ft.lb
LRC : 6.4	Duty cycle : Cont.(S1)
Rated torque : 437 ft.lb	Insulation class : F
Locked rotor torque : 190 %	Service factor : 1.15
Breakdown torque : 200 %	Temperature rise : 80 K
Rated speed : 1780 rpm	Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	16/04/2019			

Dimensões em polegada
Dimensions in inches

THIS IS AN UPDATED REVISION, THE
PREVIOUS ONE MUST BE DISREGARDED.



TS shaft end									
Shaft material – SAE/ABNT 1040/45									
Color RAL 3002									
Painting plan 203A									
Mounting B3R(D)									
					SCALE	1:10			
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PHASE W40 MOTOR HIGH EFF							
CHECKED		FRAME 444/5TS IP23 ODP							
RELEASED		WEG code: 14282848							
REL DT	16.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

150 HP 04 Poles 60Hz

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