

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110																						
Customer reference : 07518OP3VFP365TS-W40																						
Product line : W40 High Efficiency Three-Phase		Product code : 14281217																				
		Catalog # : 07518OP3VFP365TS-W40																				
Frame : 364/5TS Output : 75 HP (55 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 200/400 V Rated current : 196/98.1 A L. R. Amperes : 1236/618 A LRC : 6.3x(Code G) No load current : 57.5/28.8 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 219 ft.lb Locked rotor torque : 180 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 15.2 sq.ft.lb Design : B		Locked rotor time : 34s (cold) 19s (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 : 740 lb																				
Output	25%	50%	75%	100%																		
Efficiency (%)	93.5	93.6	94.1	94.1																		
Power Factor	0.52	0.75	0.83	0.86																		
Foundation loads																						
Max. traction : 1379 lb																						
Max. compression : 2119 lb																						
<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>6314 C3</td> <td>6212 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>27 g</td> <td>13 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 :	6314 C3	6212 Z C3	Sealing :	Without Bearing Seal	Without Bearing Seal	Lubrication interval :	20000 h	20000 h	Lubricant amount :	27 g	13 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																	

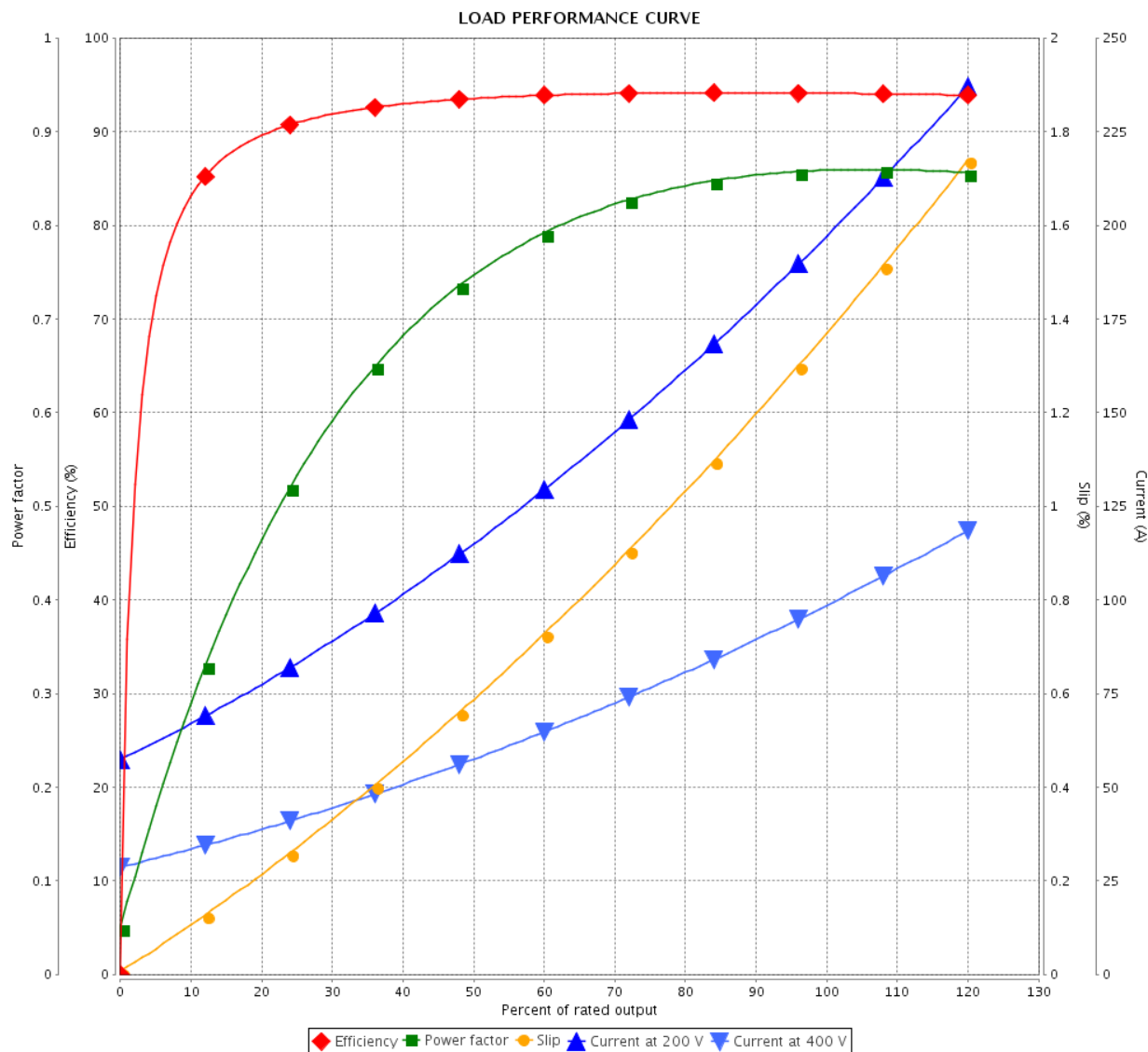
LOAD PERFORMANCE CURVE

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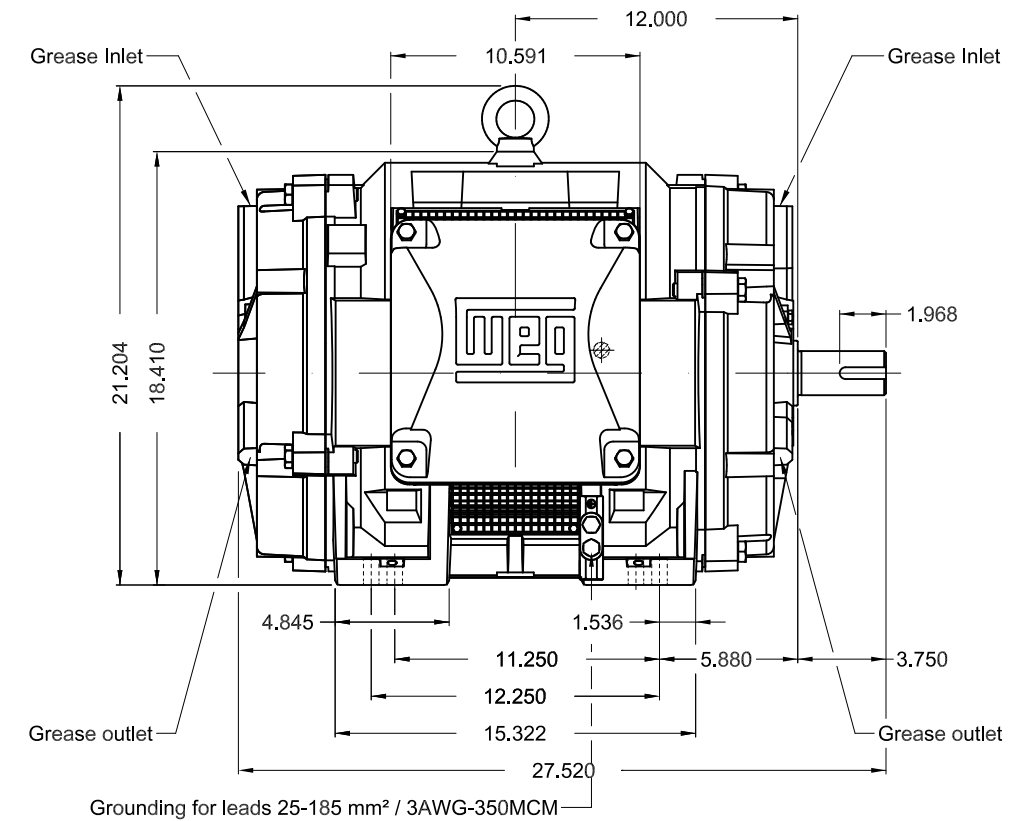
Performance : 200/400 V 60 Hz 4P



Rated current : 196/98.1 A
LRC : 6.3
Rated torque : 219 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 229 %
Rated speed : 1775 rpm

Moment of inertia (J) : 15.2 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2	Revision
Checked by					
Date	14/04/2019				

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



TS shaft end									
Color RAL 3002									
Painting plan 203A									
Mounting B3R(D)									
							SCALE	1:8	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	USERADMIN		THREE PHASE W40 MOTOR HIGH EFF						
CHECKED			FRAME 364/5TS IP23 ODP						
RELEASED			WEG code: 14281217						
REL DT	14.04.2019	WMO	Jaragua do Sul			Product Engineering	SHEET	1 / 1	