

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	: Dealers Industrial Equipment 800-469-3110				
Customer reference	: 12518OP3GFP405TC-W40				
Product line	: W40 High Efficiency Three-Phase		Product code :	14282560	
			Catalog # :	12518OP3GFP405TC-W40	
Frame	: 404/5TC		Locked rotor time	: 21s (cold) 12s (hot)	
Output	: 125 HP		Temperature rise	: 105 K	
Poles	: 4		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 460 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 139 A		Protection degree	: IP23	
L. R. Amperes	: 904 A		Cooling method	: IC01 - ODP	
LRC	: 6.5x(Code G)		Mounting	: F-1	
No load current	: 38.0 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1775 rpm		Starting method	: Direct On Line	
Slip	: 1.39 %		Approx. weight ³	: 983 lb	
Rated torque	: 365 ft.lb				
Locked rotor torque	: 210 %				
Breakdown torque	: 229 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 21.5 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	94.0	94.1	94.5	94.5	
Power Factor	0.54	0.76	0.84	0.86	
	Foundation loads				
	Max. traction : 2588 lb				
	Max. compression : 3572 lb				
	<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	: 6316 C3		: 6212 Z C3		
Sealing	: Without Bearing Seal		: Without Bearing Seal		
Lubrication interval	: 20000 h		: 20000 h		
Lubricant amount	: 34 g		: 13 g		
Lubricant type	: Mobil Polyrex EM				
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	15/04/2019			1 / 2	

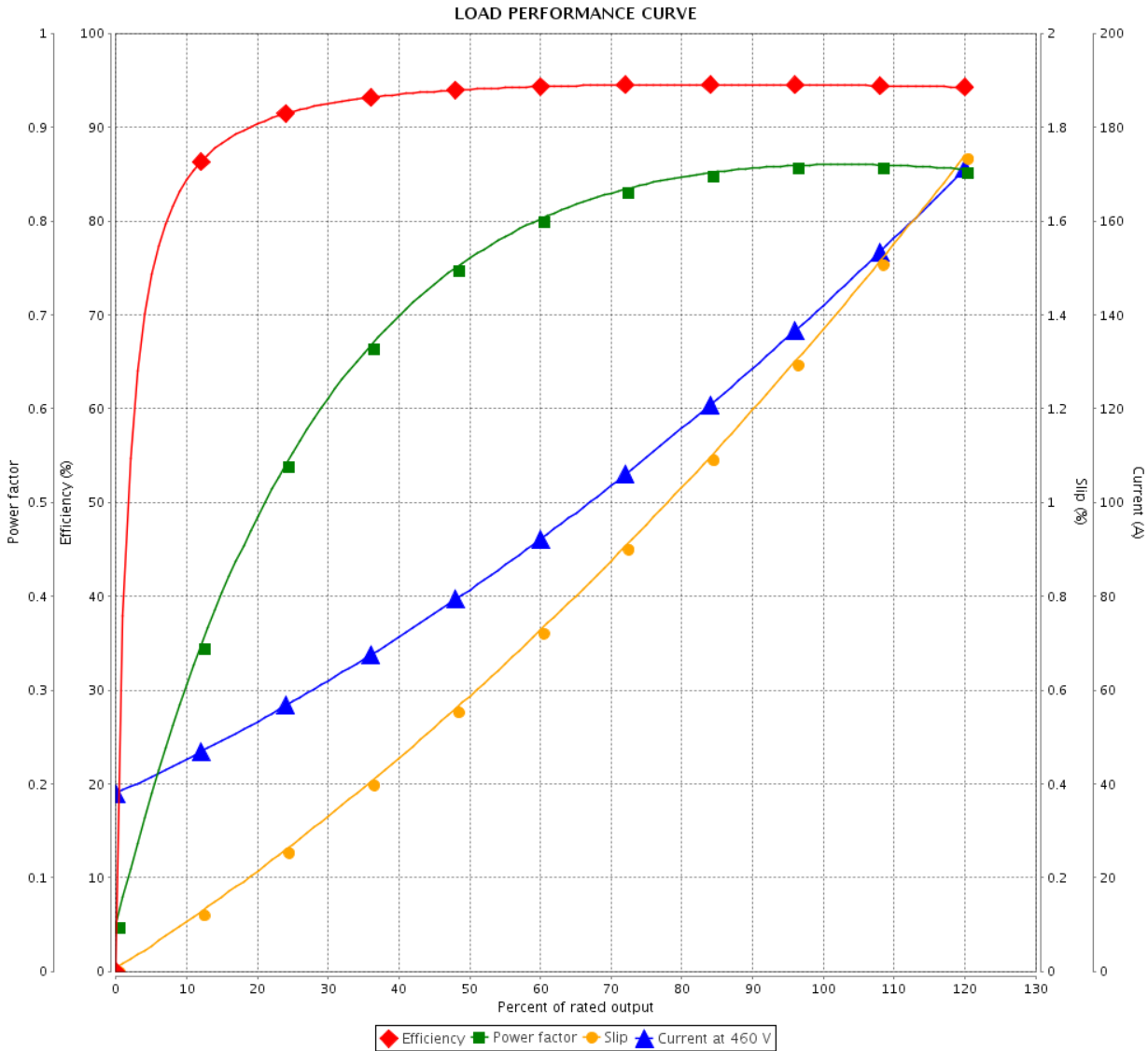
LOAD PERFORMANCE CURVE



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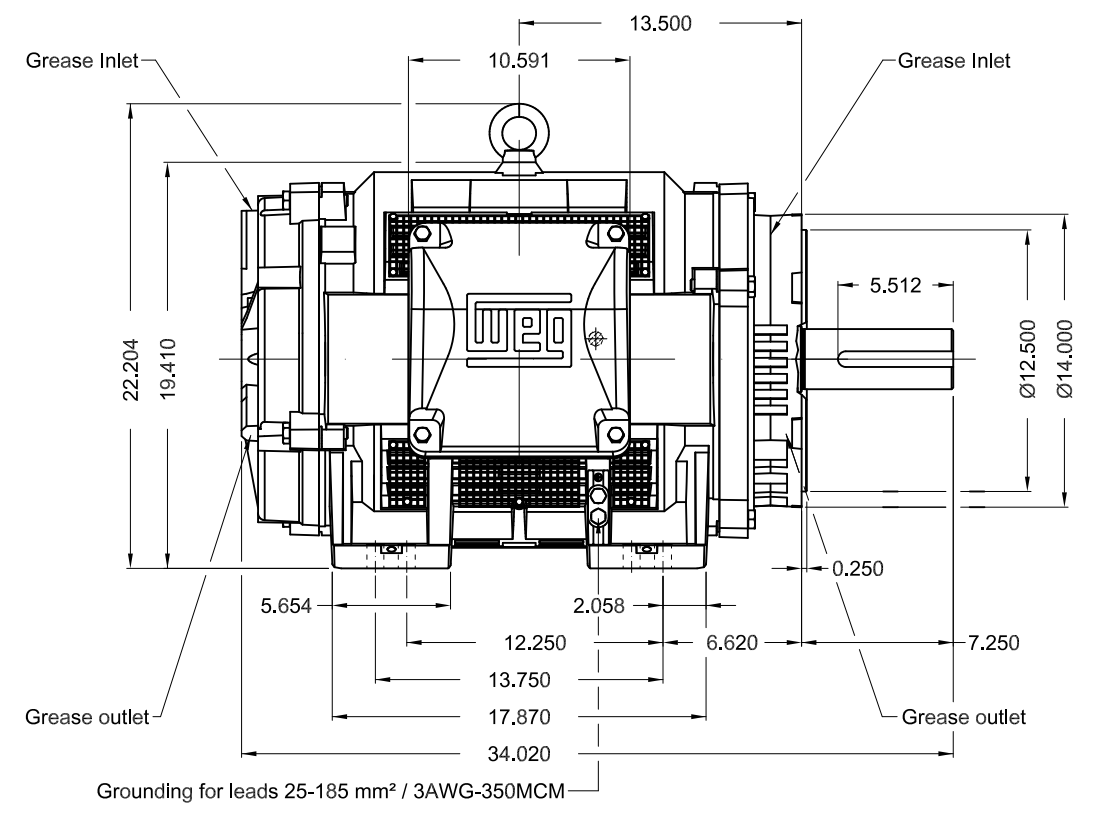
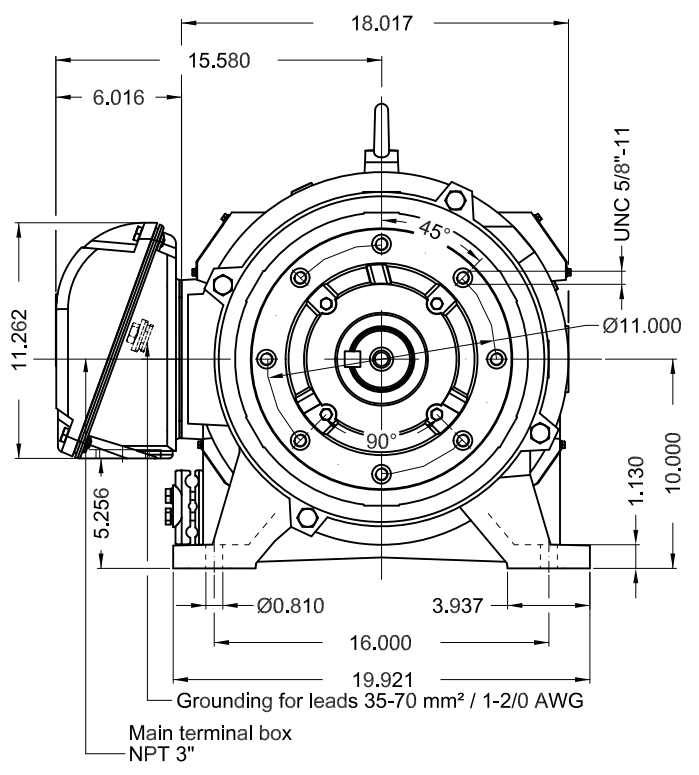
Performance : 460 V 60 Hz 4P

Rated current : 139 A	Moment of inertia (J) : 21.5 sq.ft.lb
LRC : 6.5	Duty cycle : Cont.(S1)
Rated torque : 365 ft.lb	Insulation class : F
Locked rotor torque : 210 %	Service factor : 1.15
Breakdown torque : 229 %	Temperature rise : 105 K
Rated speed : 1775 rpm	Design : B

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Dimensões em polegada
Dimensions in inches

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



Color RAL 3002										
Painting plan 203A										
Mounting B34R(D)										
								SCALE	1:9	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PHASE W40 MOTOR HIGH EFF								
CHECKED		FRAME 404/5TC IP23 ODP								
RELEASED		WEG code: 14282560								
REL DT	15.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1				

125 HP 04 Poles 60Hz

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