

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
 Customer reference : 12518OT3H405T-W40

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 14272884
 Catalog # : 12518OT3H405T-W40

Frame : 404/5T	Locked rotor time : 18s (cold) 10s (hot)
Output : 125 HP	Temperature rise : 80 K
Poles : 4	Duty cycle : Cont.(S1)
Frequency : 60 Hz	Ambient temperature : -20°C to +40°C
Rated voltage : 575 V	Altitude : 1000 m.a.s.l.
Rated current : 110 A	Protection degree : IP23
L. R. Amperes : 762 A	Cooling method : IC01 - ODP
LRC : 6.9x(Code G)	Mounting : F-1
No load current : 37.6 A	Rotation ¹ : Both (CW and CCW)
Rated speed : 1780 rpm	Noise level ² : 69.0 dB(A)
Slip : 1.11 %	Starting method : Direct On Line
Rated torque : 364 ft.lb	Approx. weight ³ : 1025 lb
Locked rotor torque : 270 %	
Breakdown torque : 260 %	
Insulation class : F	
Service factor : 1.25	
Moment of inertia (J) : 25.5 sq.ft.lb	
Design : B	

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	94.9	95.0	95.4	95.4	Max. traction	: 2363 lb
Power Factor	0.50	0.75	0.83	0.86	Max. compression	: 3388 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.
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Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by			1 / 2	
Date	15/04/2019			

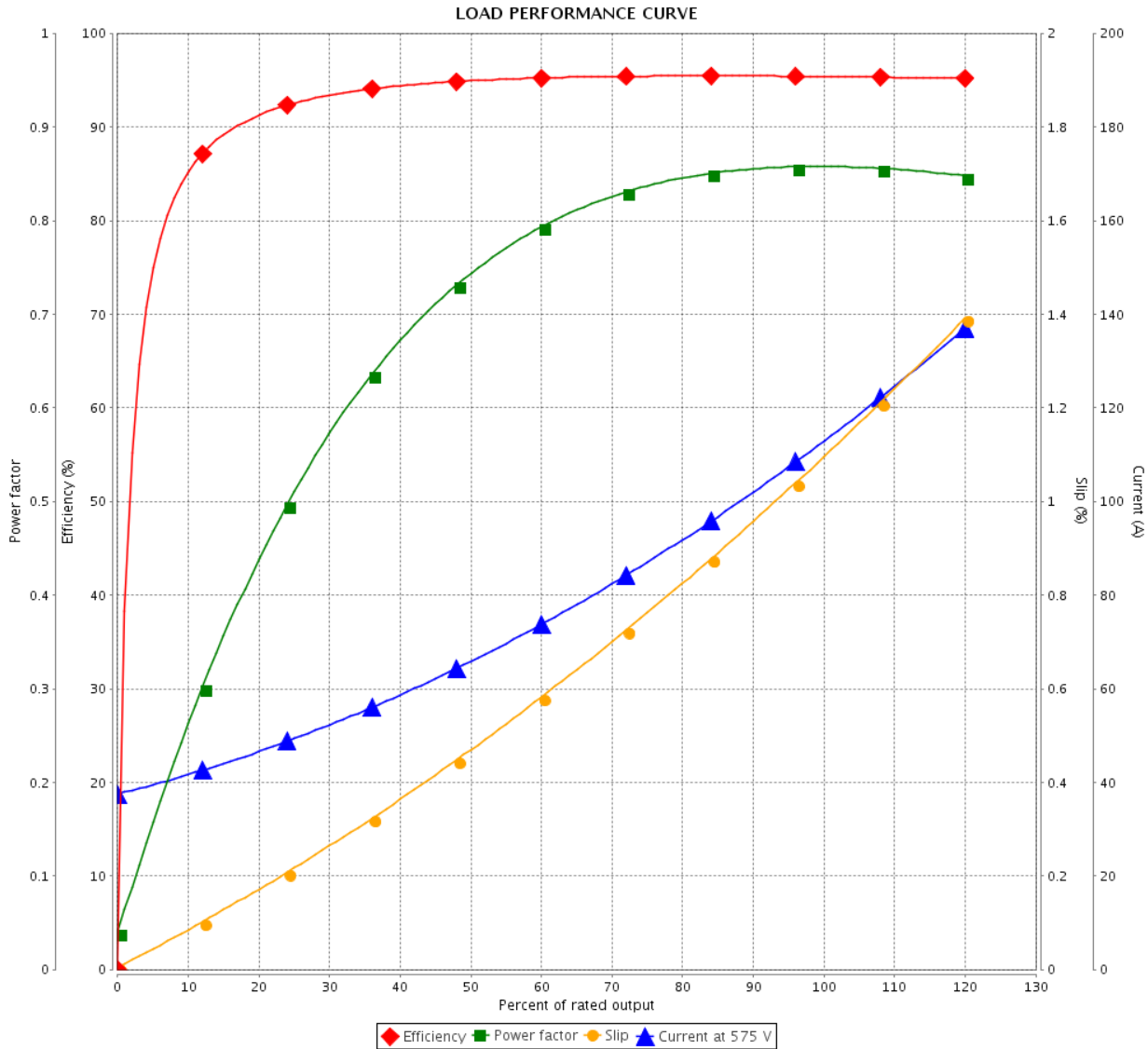
LOAD PERFORMANCE CURVE



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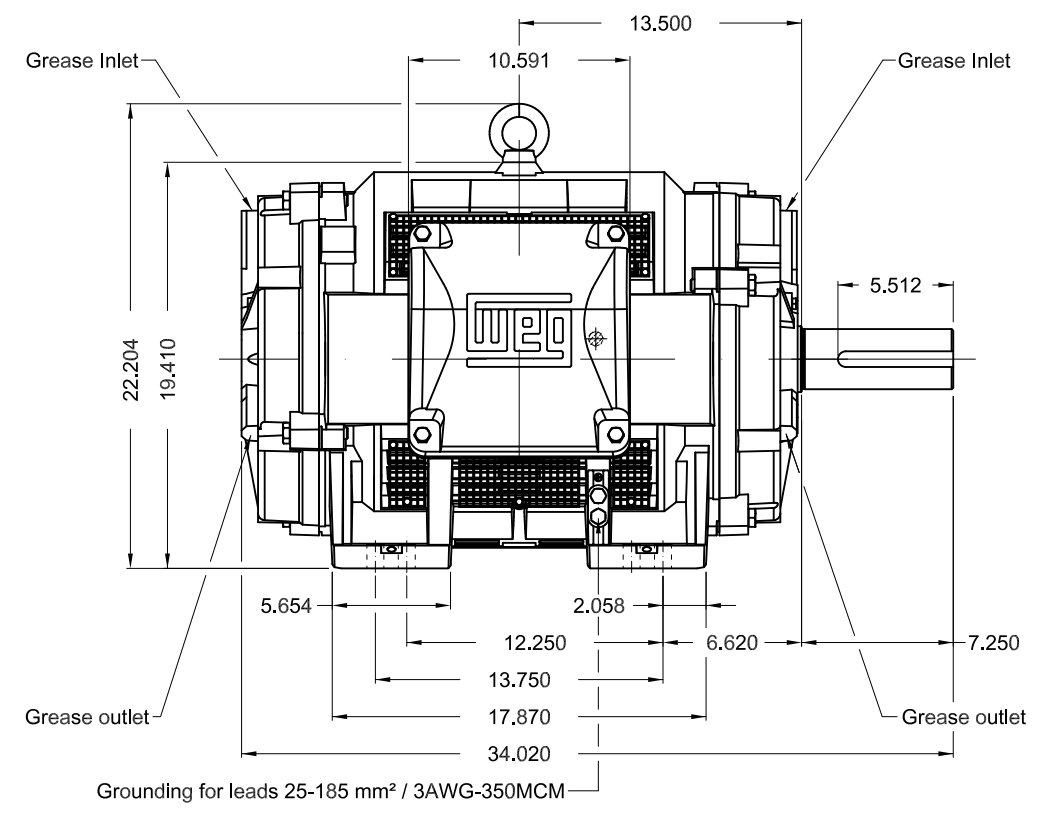
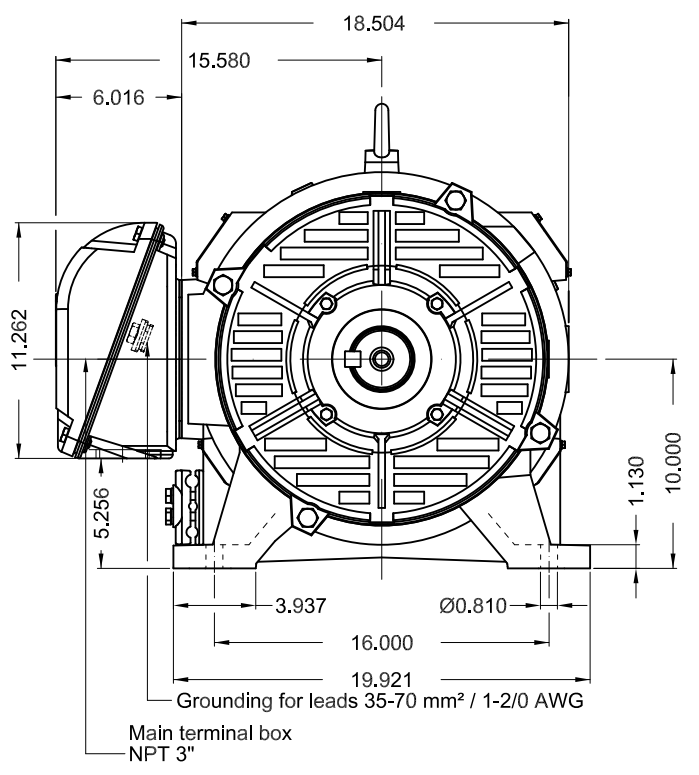
Performance : 575 V 60 Hz 4P

Rated current : 110 A	Moment of inertia (J) : 25.5 sq.ft.lb
LRC : 6.9	Duty cycle : Cont.(S1)
Rated torque : 364 ft.lb	Insulation class : F
Locked rotor torque : 270 %	Service factor : 1.25
Breakdown torque : 260 %	Temperature rise : 80 K
Rated speed : 1780 rpm	Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
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Dimensões em polegada
Dimensions in inches

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



Color RAL 5009									
Painting plan 203A									
Mounting B3R(D)									
						SCALE	1:9		
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PHASE W40 MOTOR NEMA PREMIUM EFF							
CHECKED		FRAME 404/5T IP23 ODP							
RELEASED		WEG code: 14272884							
REL DT	15.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

125 HP 04 Poles 60Hz

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