

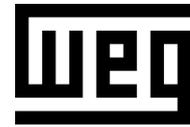
DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	: Dealers Industrial Equipment 800-469-3110				
Customer reference	: 05018XT3H326TC				
Product line	: W21 Explosion-proof Motor NEMA Premium Efficiency Three-Phase		Product code :	14407932	
			Catalog # :	05018XT3H326TC	
Frame	: 326TC		Locked rotor time	: 36s (cold) 20s (hot)	
Output	: 50 HP (37 kW)		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	: 48.5 A		Protection degree	: IP55	
L. R. Amperes	: 354 A		Cooling method	: IC411 - TEFC	
LRC	: 7.3x(Code H)		Mounting	: F-1	
No load current	: 22.0 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1775 rpm		Noise level ²	: 71.0 dB(A)	
Slip	: 1.39 %		Starting method	: Direct On Line	
Rated torque	: 146 ft.lb		Approx. weight ³	: 697 lb	
Locked rotor torque	: 260 %				
Breakdown torque	: 280 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 9.16 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	93.4	93.6	94.5	94.5	
Power Factor	0.40	0.65	0.76	0.81	
	Foundation loads				
	Max. traction : 1241 lb				
	Max. compression : 1938 lb				
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6312 C3		6212 C3	
Sealing	:	Oil Seal		Lip Seal	
Lubrication interval	:	20000 h		20000 h	
Lubricant amount	:	21 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
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DATA SHEET



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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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Checked by			Page	Revision
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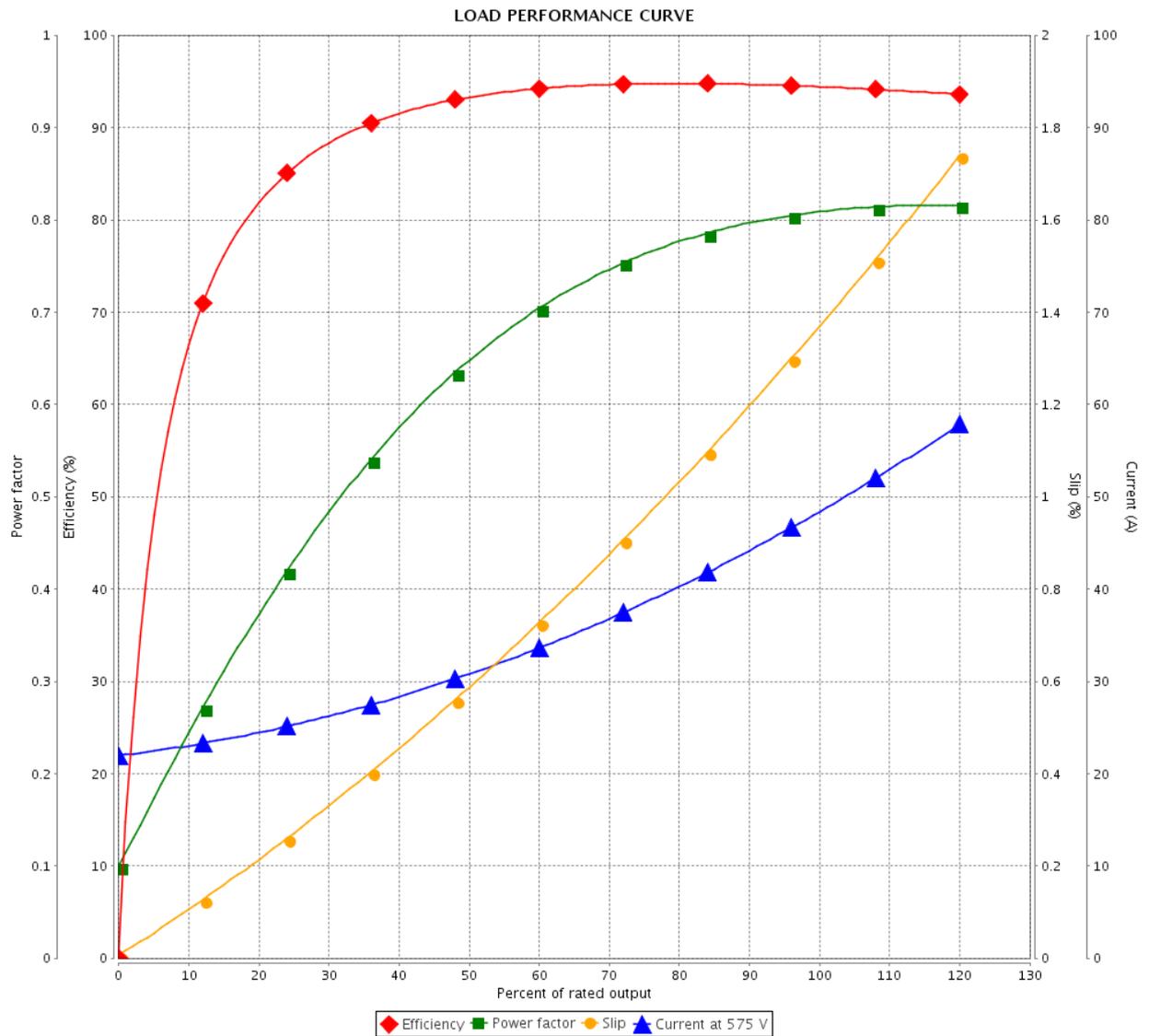
LOAD PERFORMANCE CURVE



Three Phase Induction Motor - Squirrel Cage

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 Customer reference : 05018XT3H326TC

Product line : W21 Explosion-proof Motor NEMA Premium Efficiency Three-Phase Product code : 14407932
 Catalog # : 05018XT3H326TC



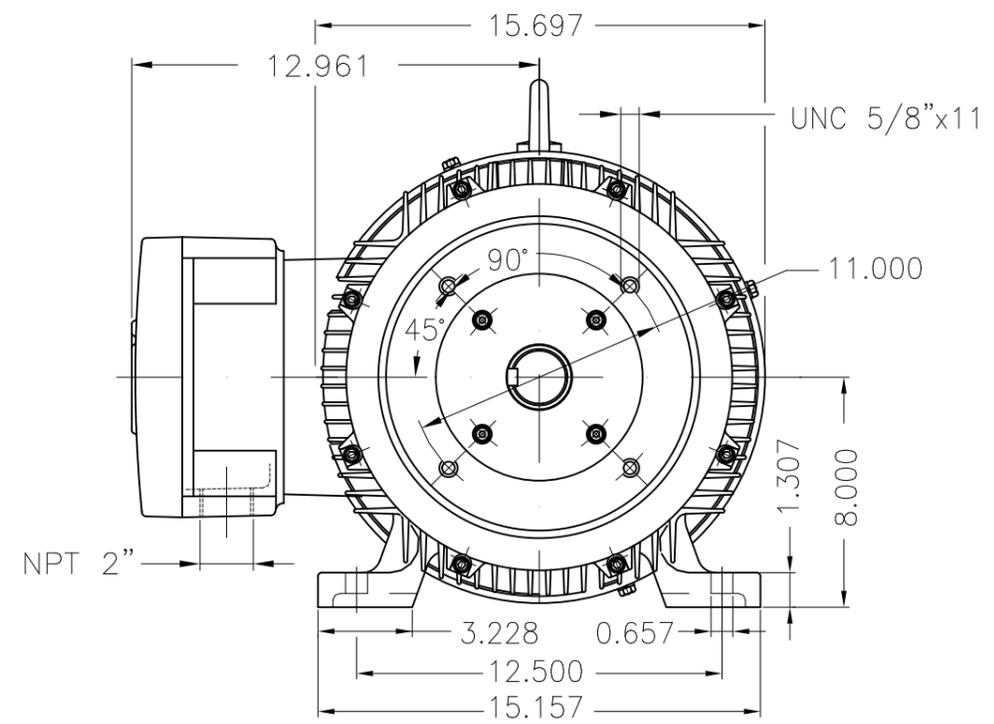
Performance : 575 V 60 Hz 4P

Rated current : 48.5 A	Moment of inertia (J) : 9.16 sq.ft.lb
LRC : 7.3	Duty cycle : Cont.(S1)
Rated torque : 146 ft.lb	Insulation class : F
Locked rotor torque : 260 %	Service factor : 1.15
Breakdown torque : 280 %	Temperature rise : 80 K
Rated speed : 1775 rpm	Design : B

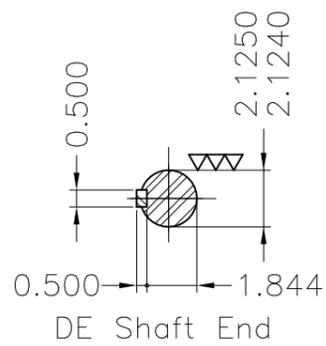
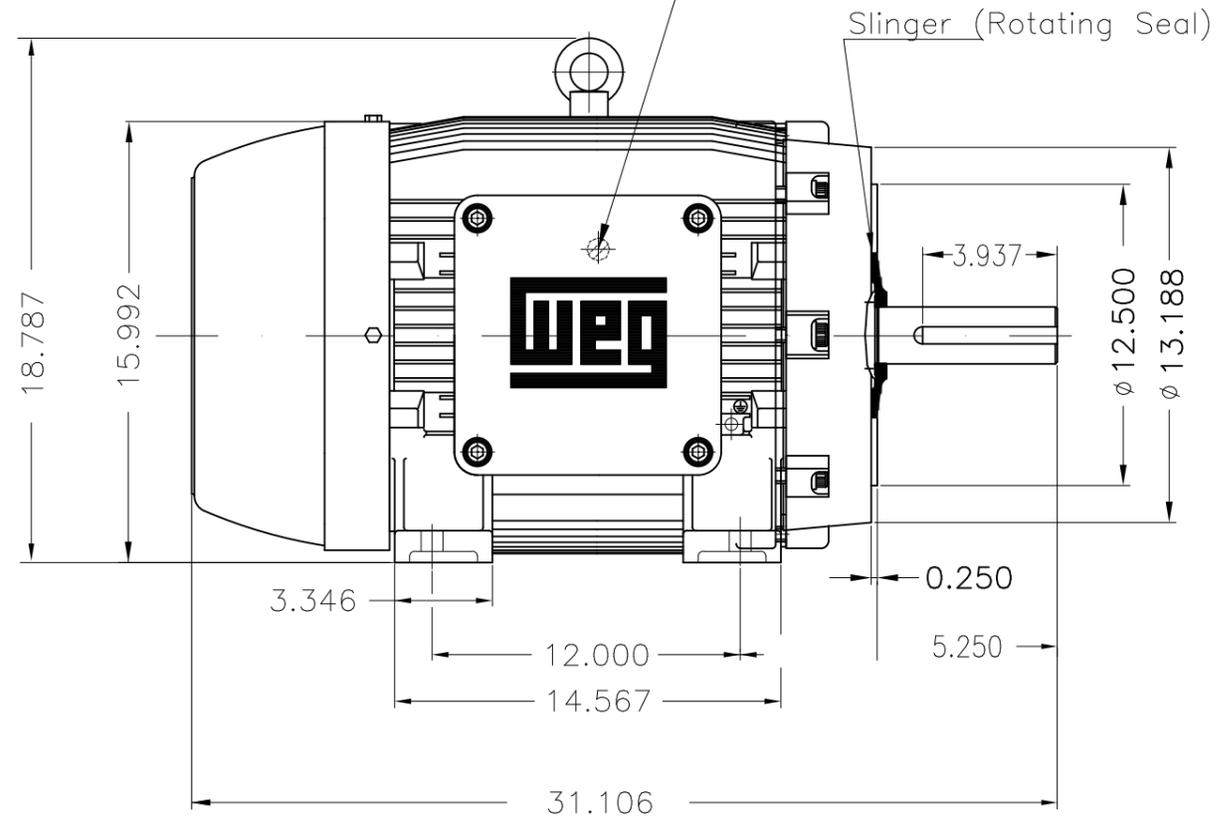
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Dimensões em polegada
Dimensions in inches

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



Grounding for leads 5.2–35 mm² / 10–2 AWG



With grease fitting
Color RAL 5009
Painting plan 202P
Mounting B34R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PHASE EXPL. PROOF MOTOR NEMA P.EFF					
CHECKED		FRAME 326TC IP55 TEFC					
RELEASED		WEG code: 14407932					
REL DT	14.04.2019	WMO Jaragua do Sul	Product Engineering	SHEET	1 / 1		

50 HP 04 Poles 60Hz

A

