

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase		Product code : 14643833		
Frame	: 215LP		Locked rotor time	: 41s (cold) 23s (hot)		
Output	: 7.5 HP (5.5 kW)		Temperature rise	: 80 K		
Poles	: 2		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 230/460 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 17.1/8.57 A		Protection degree	: IP55		
L. R. Amperes	: 120/60.0 A		Cooling method	: IC411 - TEFC		
LRC	: 7.0x(Code H)		Mounting	: W-6		
No load current	: 4.61/2.31 A		Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 3530 rpm		Noise level <sup>2</sup>	: 72.0 dB(A)		
Slip	: 1.94 %		Starting method	: Direct On Line		
Rated torque	: 1.54 kgfm		Approx. weight <sup>3</sup>	: 109 kg		
Locked rotor torque	: 220 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0198 kgm <sup>2</sup>					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	85.5	88.5	89.5	Max. traction	
Power Factor	0.00	0.78	0.87	0.90	Max. compression	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6309			7306BECB	
Sealing	:	Oil Seal			Lip Seal	
Lubrication interval	:	7898 h			8437 h	
Lubricant amount	:	13 g			7 g	
Lubricant type	:	Mobil Polyrex EM				
Notes						
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	29/10/2024				1 / 2	

# LOAD PERFORMANCE CURVE

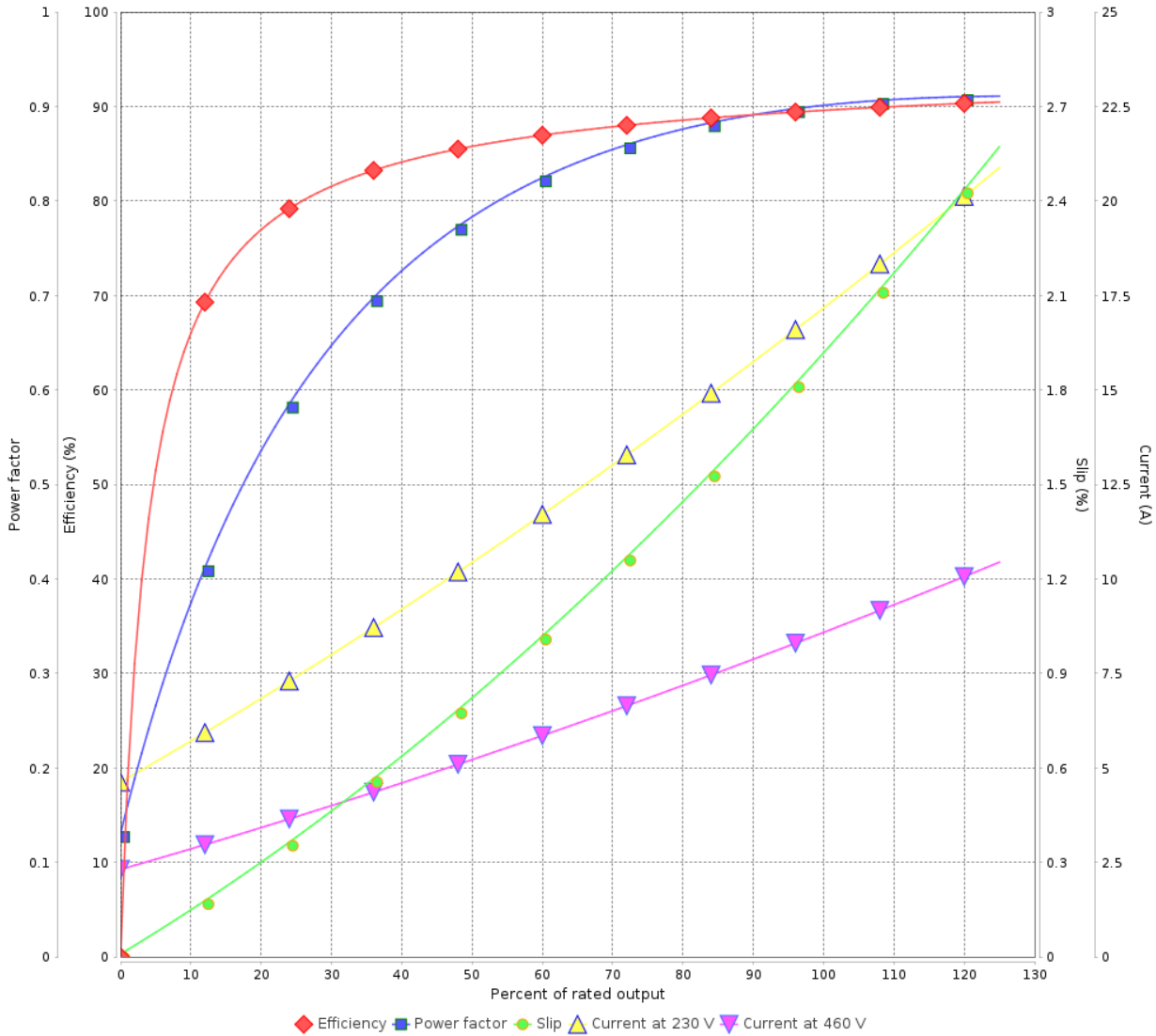
Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase      Product code : 14643833

LOAD PERFORMANCE CURVE



Performance : 230/460 V 60 Hz 2P

Rated current : 17.1/8.57 A  
 LRC : 7.0  
 Rated torque : 1.54 kgfm  
 Locked rotor torque : 220 %  
 Breakdown torque : 300 %  
 Rated speed : 3530 rpm

Moment of inertia (J) : 0.0198 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.25  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	29/10/2024			

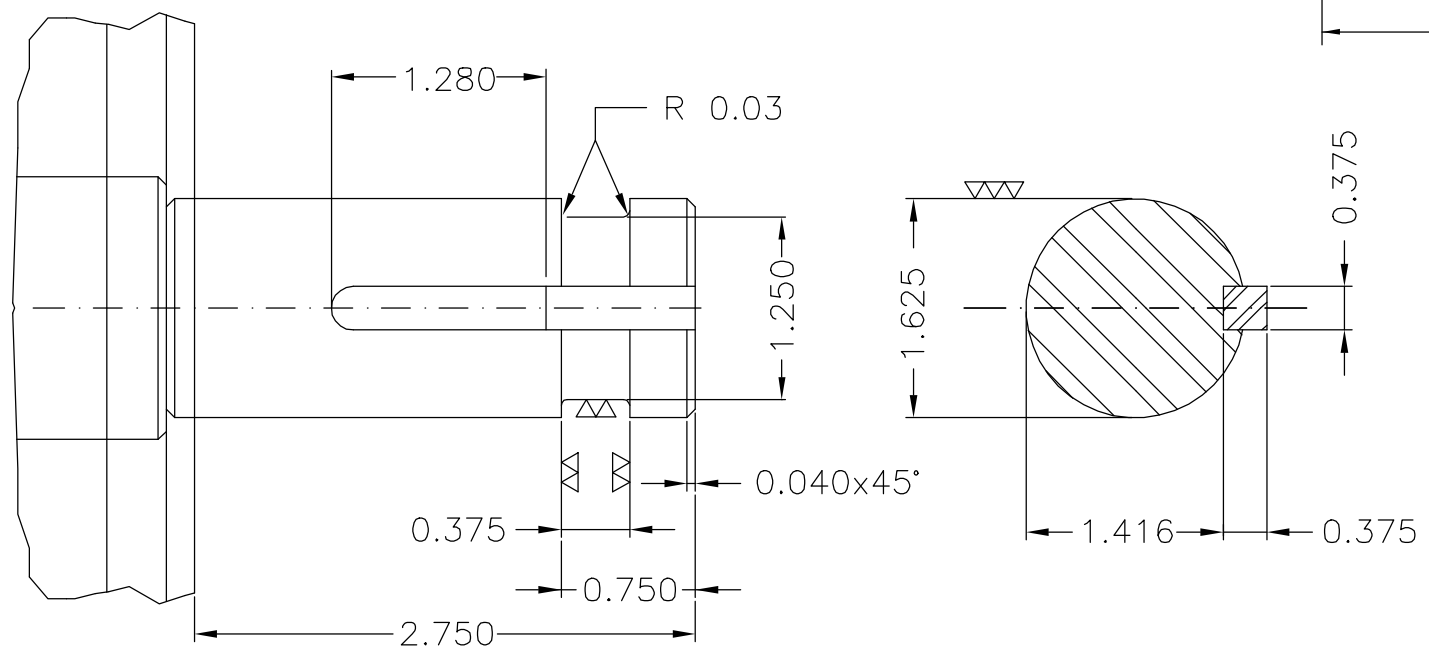
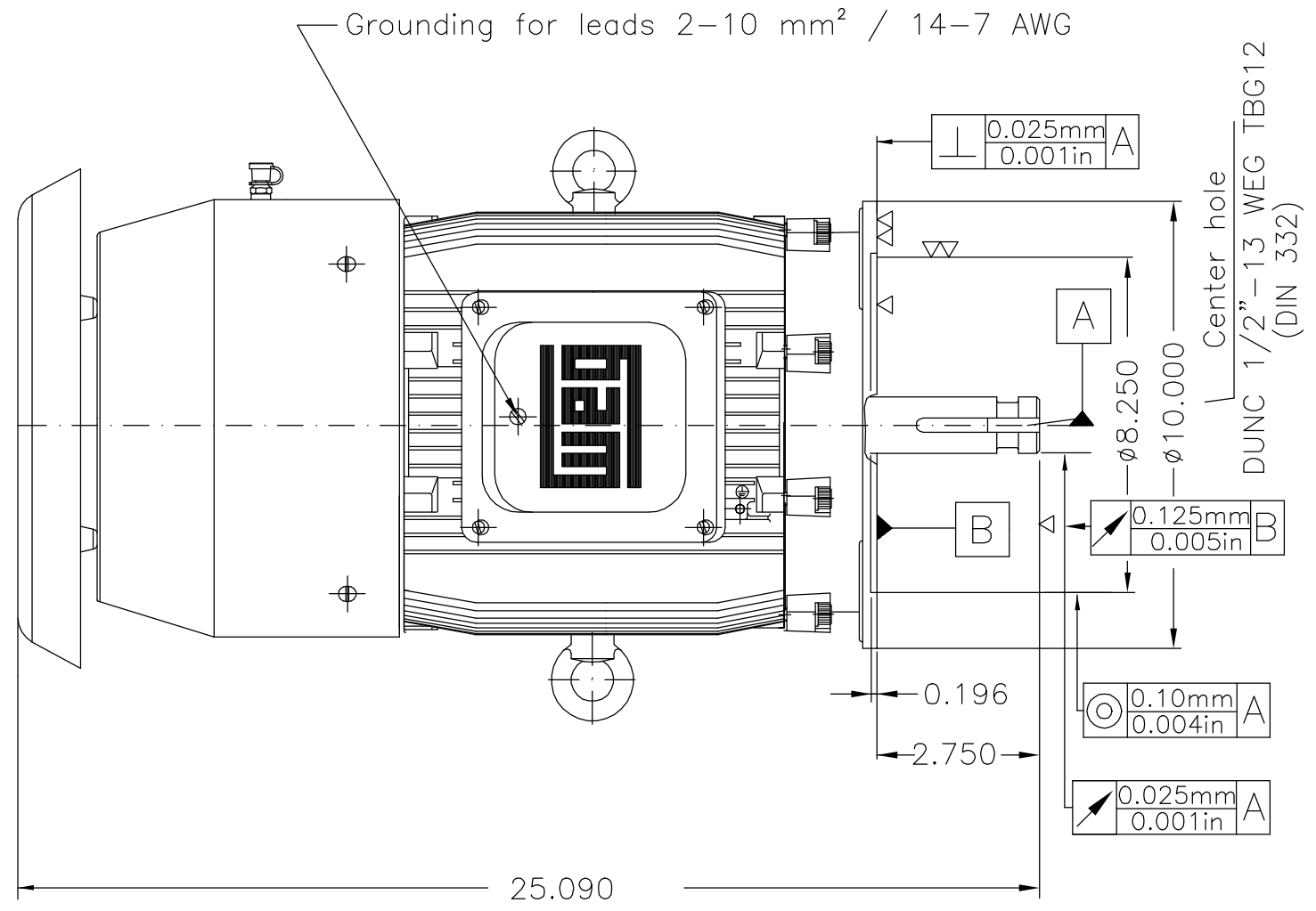
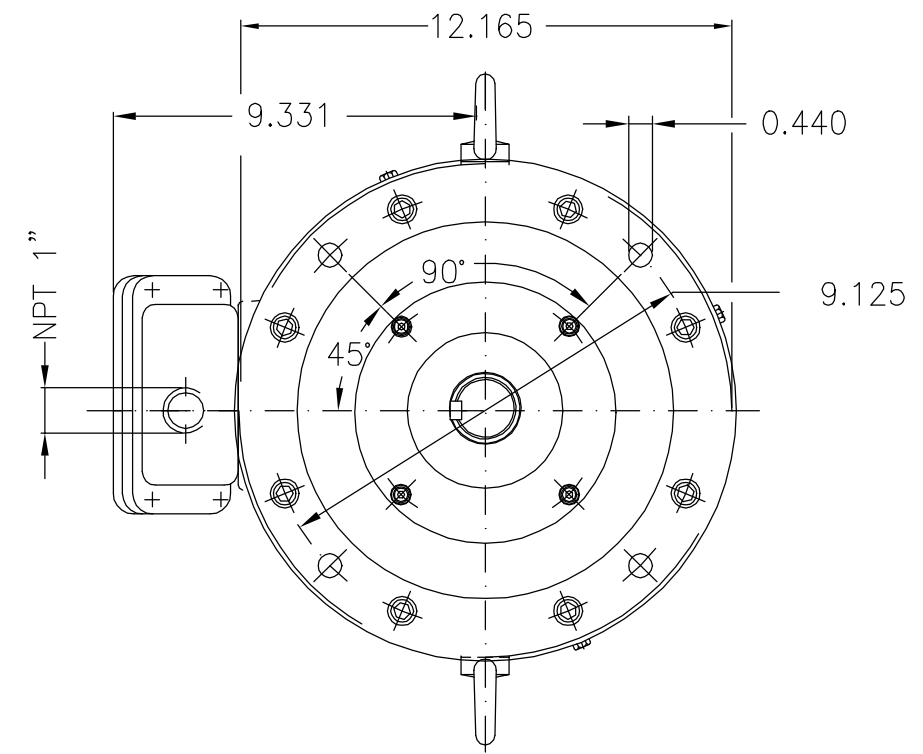
EIXO/SHAFT  
 PADRÃO/STANDARD X  
 OPCIONAL/OPTIONAL  
 ESPECIAL/SPECIAL

Dimensões em polegada  
 Dimensions in inches

**CERTIFIED WEG MOTORES**  
 Certified document.  
 Not subject to changes.

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

**ATENÇÃO/ATTENTION**  
 MOTOR DEVE SER LIGADO APENAS NA POSIÇÃO VERTICAL  
 MOTOR MUST BE ENERGIZED ONLY IN THE VERTICAL POSITION



Placa de identificação com marcação especial / Nameplate with special marking  
 Cor RAL 5009 / Color RAL 5009  
 Plano de pintura 207A / Painting plan 207A  
 Forma construtiva NEMA W-6 / Mounting NEMA W-6  
 Forma construtiva V1 / Mounting V1

**V.J. PAMENSKY CANADA INC.**

500002148791	ALT CONFORME 418229042	CLAUDEMIRR	JACKSONDC	JACKSONDC	14.06.2022	04			
500001781587	417359503	FRANCINES	RICLAV	RICLAV	24.06.2020	03			
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	DANIELAW	THREE-PHASE IN LINE EXTRA THRUST MOTOR		10006137324					
CHECKED	RPAULI	FRAME 215LP IP55 TEFC		000   04					
RELEASED	RPAULI								
REL DT	23.10.2018	WMO	Jaragua do Sul	Product Engineering	SHEET 1 / 1				

10 HP 02 Poles 60Hz  
 7.5 HP 02 Poles 60Hz 415234508/0

