DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 P Base NEMA Premium Efficiency Three-Phase	Product code :	13954310

Frame	: 182/4HP	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 4.72 A	Protection degree	: IP55
L. R. Amperes	: 35.9 A	Cooling method	: IC411 - TEFC
LRC	: 7.6x(Code J)	Mounting	: W-6
No load current	: 1.60 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 3485 rpm	Noise level²	: 69.0 dB(A)
Slip	: 3.19 %	Starting method	: Direct On Line
Rated torque	: 1.04 kgfm	Approx. weight³	: 47.0 kg
Locked rotor torque	: 229 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0094 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	86.5	88.5	88.5
Power Factor	0.00	0.76	0.85	0.89

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 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	27/10/2024		1 / 2	

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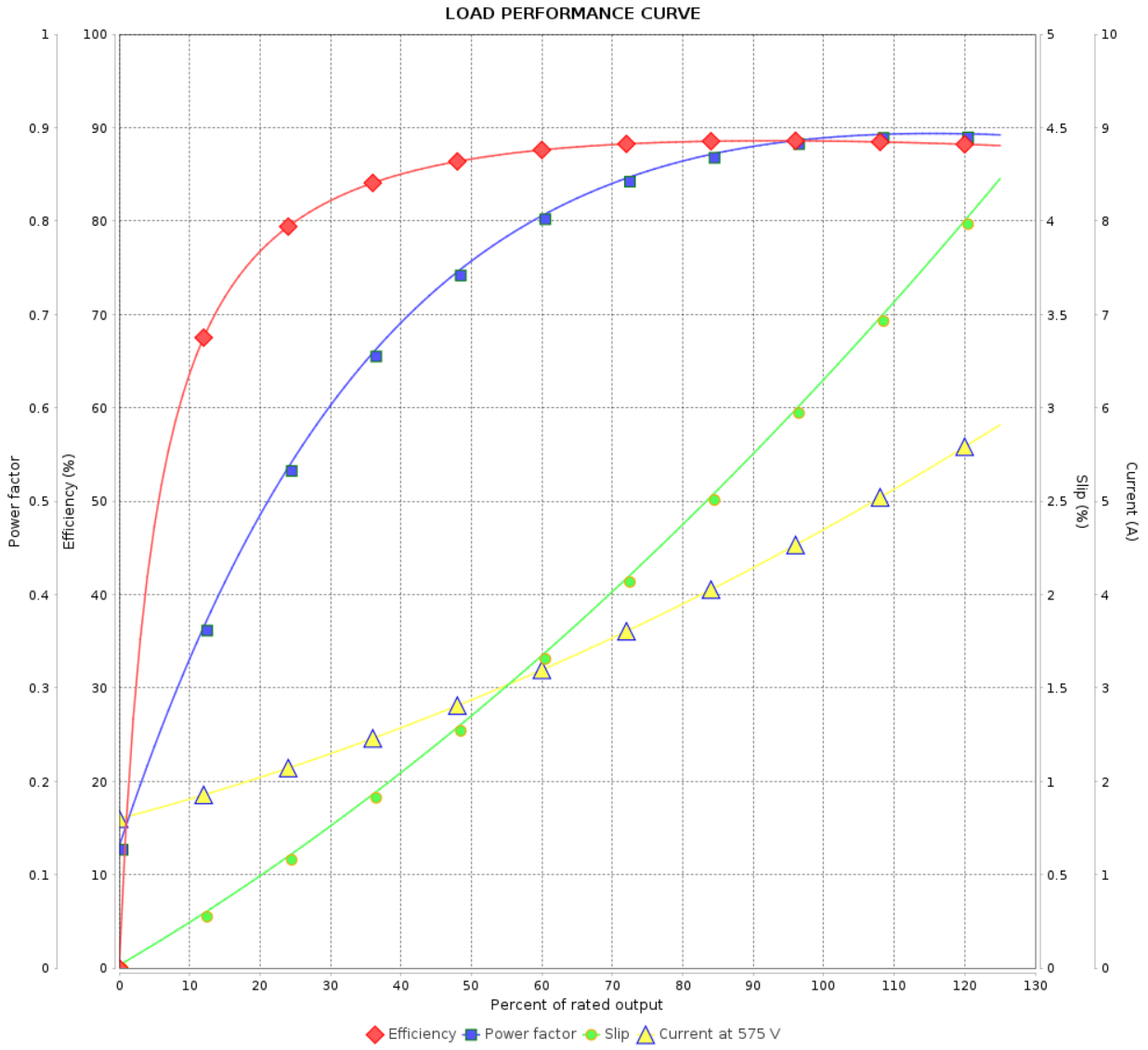
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 P Base NEMA Premium Efficiency Three-Phase

Product code : 13954310



Performance	: 575 V 60 Hz 2P		
Rated current	: 4.72 A	Moment of inertia (J)	: 0.0094 kgm²
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 1.04 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.25
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 3485 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

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Checked by			Page	Revision
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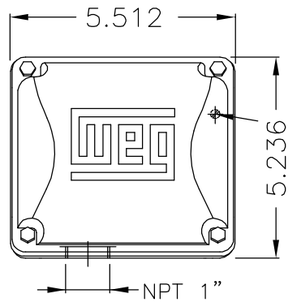
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EIXO/SHAFT	
PADRÃO/STANDARD	
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	X

Dimensões em polegada
Dimensions in inches

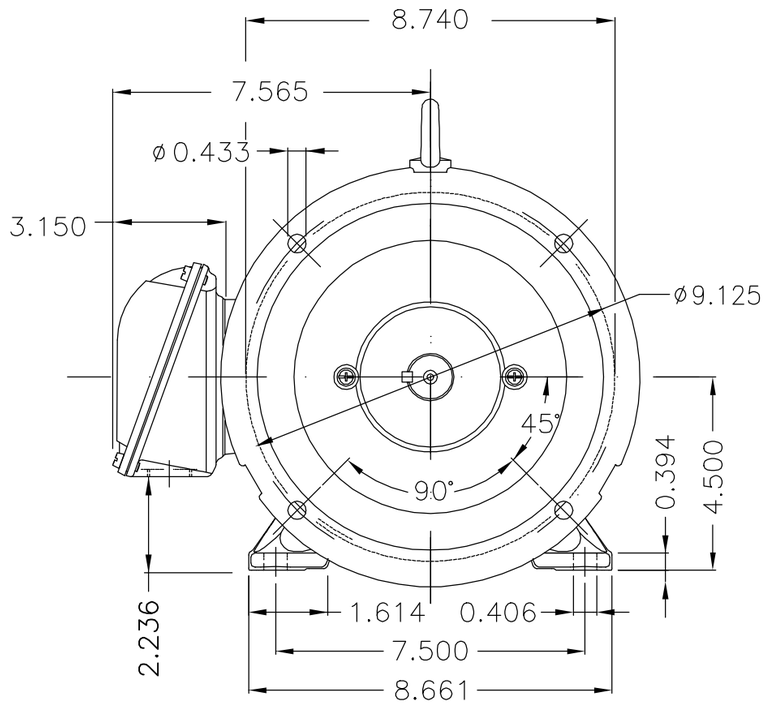
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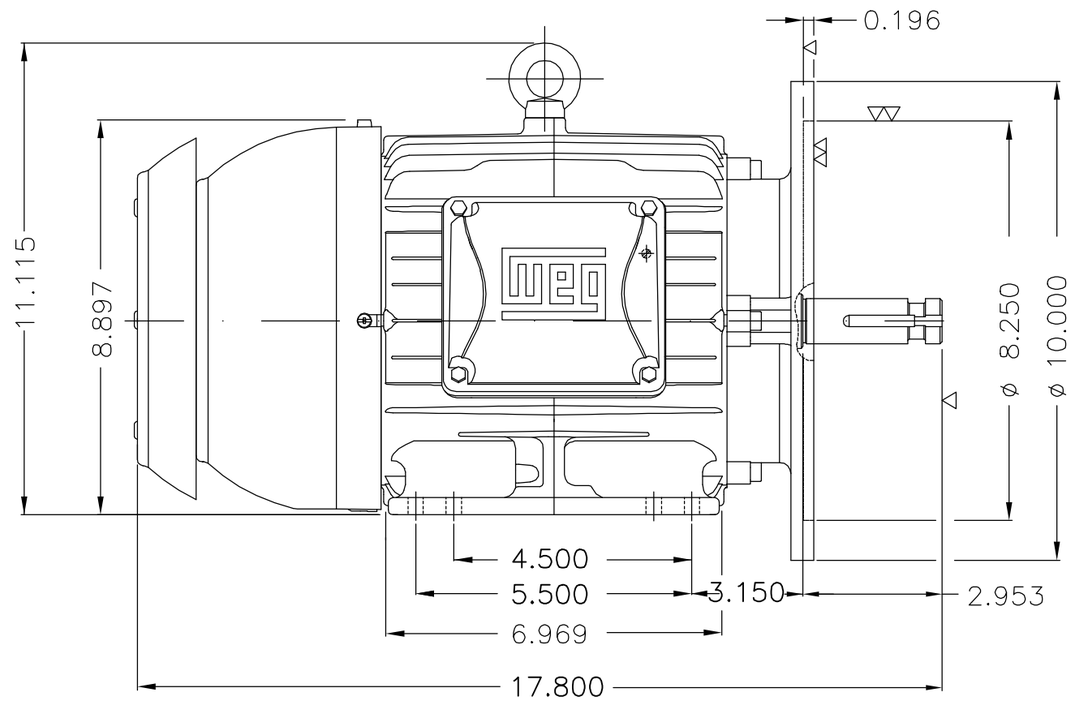
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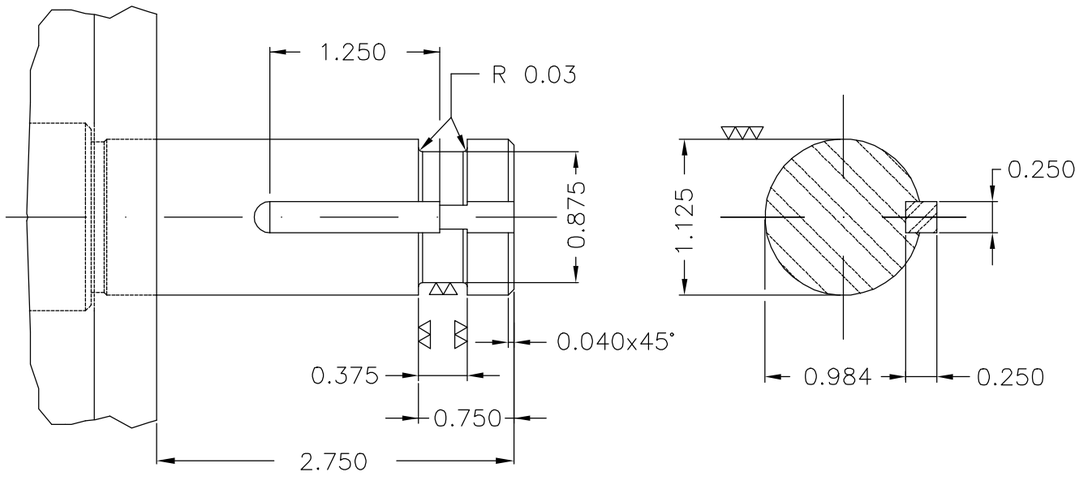


Grounding for leads 2–10 mm² / 14–7 AWG

Main terminal box







Cor RAL 5009 / Color RAL 5009
Plano de pintura 207A / Painting plan 207A
Forma construtiva NEMA W-6 / Mounting NEMA W-6
Forma construtiva V15D / Mounting V15R(D)

V.J. PAMENSKY CANADA INC.

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001505180		ALTERADO CONFORME CLAIM 415195664	PKREYSSIG	CLEBERP	CLEBERP	11.10.2018	01
500001302899		DOCUMENTO NOVO	JOAOVICTOR	ADEMILSON	ADEMILSON	26.04.2017	00

EXECUTED	JOAOVICTOR	THREE PHASE W22 P-BASE MOTOR PREMIUM EFF	10004902537		
CHECKED	ADEMILSON	FRAME 182/4HP IP55 TEFC	000	01	
RELEASED	ADEMILSON	P. BASE			
REL DT	26.04.2017	WMO Jaragua do Sul Product Engineering	SHEET	1 / 1	

5 HP 02 Poles 60Hz 414647698/1 MEC. A

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