DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 P Base NEMA Premium Efficiency Three-Phase	Product code :	14904053

Frame	: 284/6HPH	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 40 HP (30 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	: 37.0 A	Protection degree	: IP55
L. R. Amperes	: 318 A	Cooling method	: IC411 - TEFC
LRC	: 8.6x(Code J)	Mounting	: W-6
No load current	: 11.3 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3550 rpm	Noise level[2]	: 72.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 8.18 kgfm	Approx. weight[3]	: 220 kg
Locked rotor torque	: 270 %		
Breakdown torque	: 370 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.1243 kgm²		
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	91.7	92.4	92.4
Power Factor	0.00	0.76	0.85	0.88

Foundation loads

Max. traction	: 0 kgf
Max. compression	: 0 kgf

		Drive end	Non drive end
Bearing type	:	6314 C3	6211 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	4000 h	8000 h
Lubricant amount	:	27 g	11 g
Lubricant type	:	Mobil Polyrex EM	

Notes
W22 - NEMA Premium Efficiency.

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

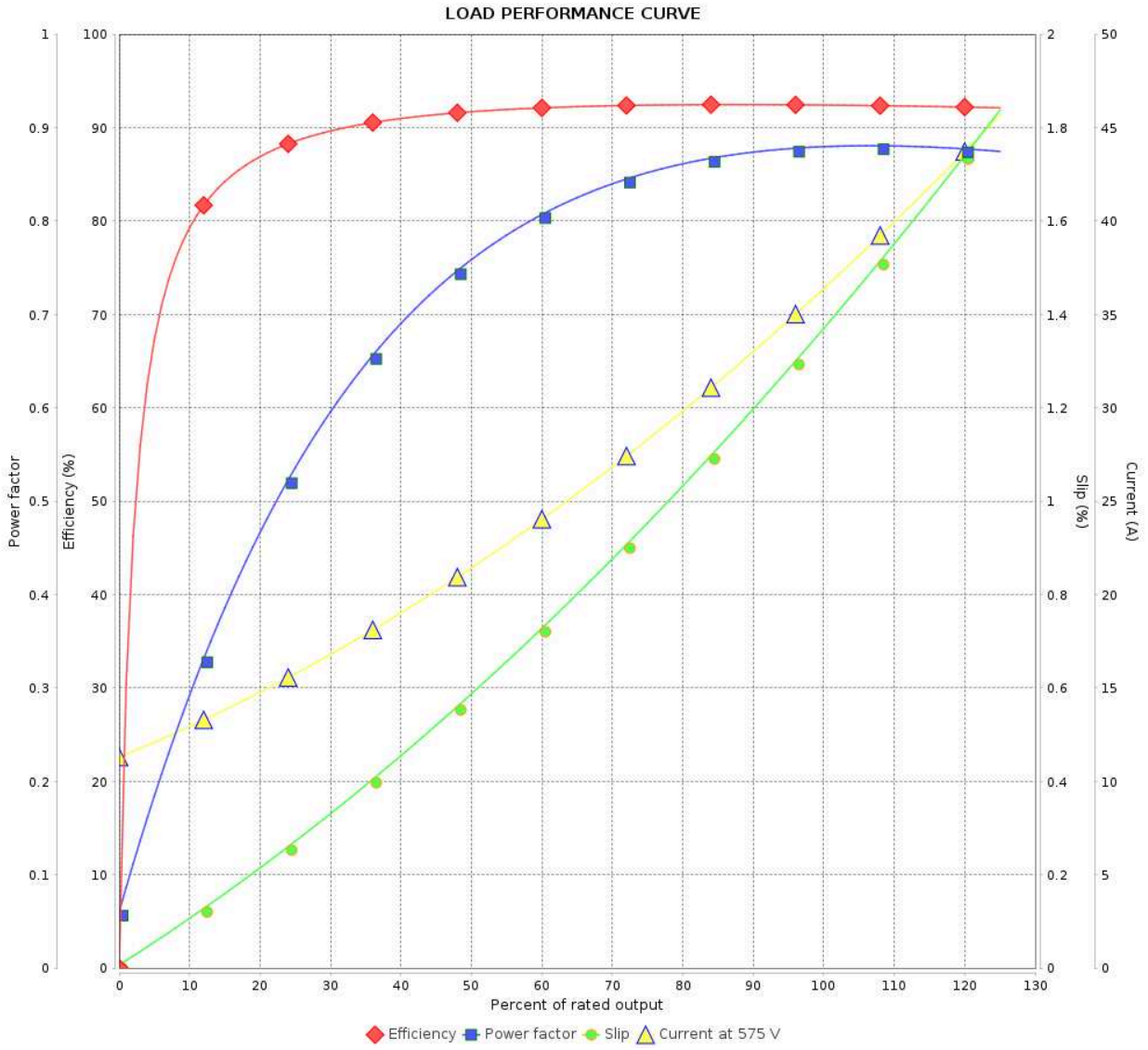
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Date	08/07/2026		1 / 2	

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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 :	14904053



Performance	: 575 V 60 Hz 2P		
Rated current	: 37.0 A	Moment of inertia (J)	: 0.1243 kgm²
LRC	: 8.6	Duty cycle	: Cont.(S1)
Rated torque	: 8.18 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.25
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 3550 rpm	Design	: A

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	08/07/2026		2 / 2	

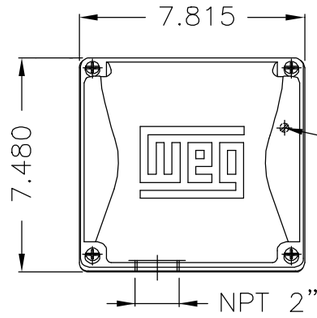
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EIXO/SHAFT	
PADRÃO/STANDARD	X
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	

Dimensões em polegada
Dimensions in inches

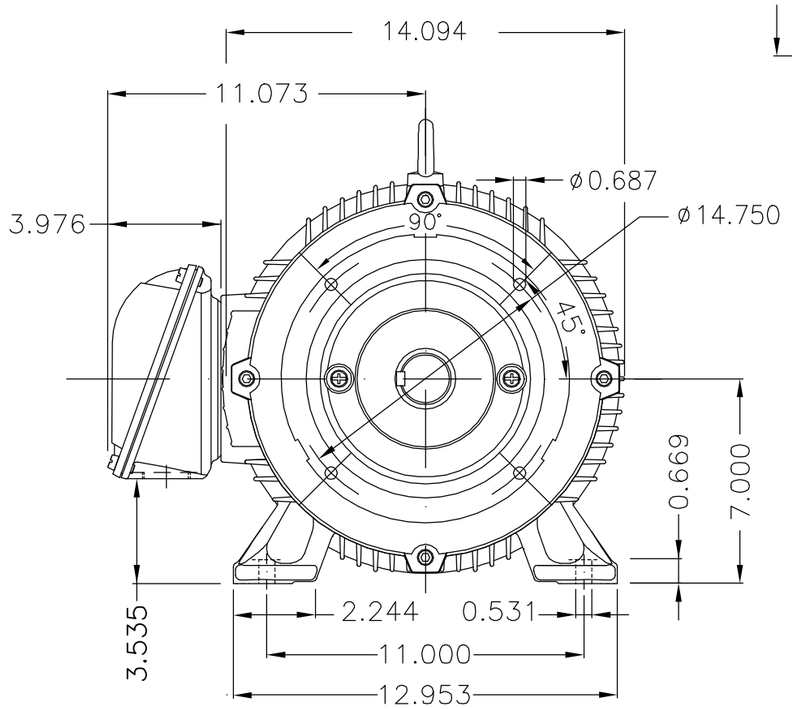
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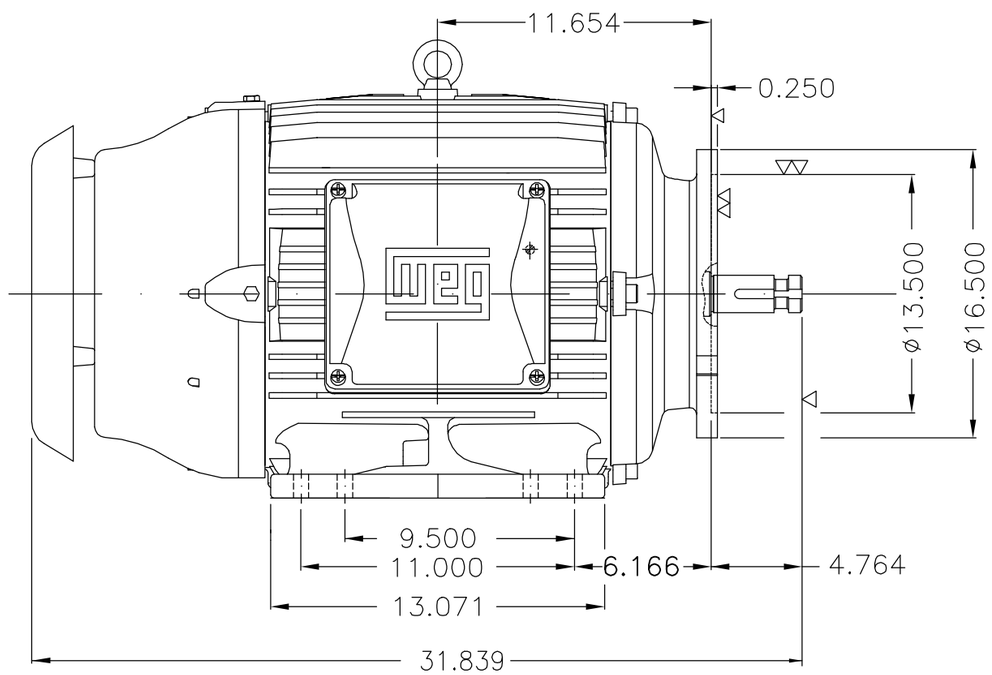
THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.

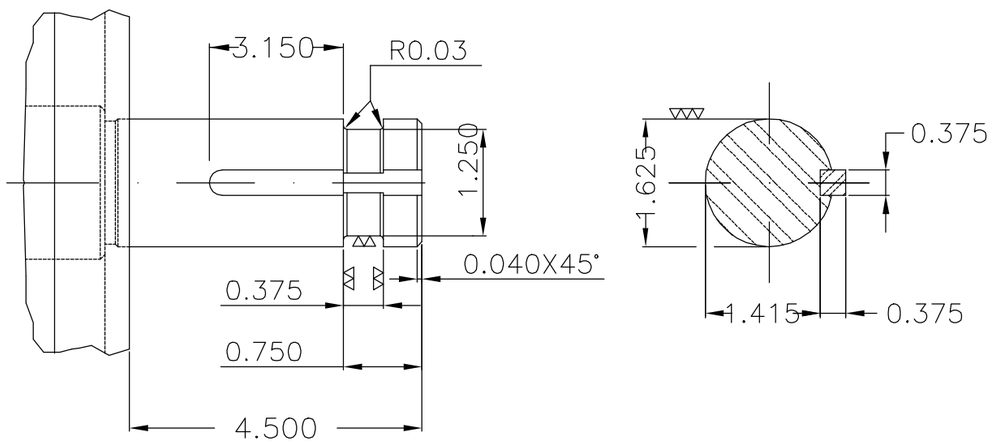


Grounding for leads 5.2–25 mm² / 10–4 AWG

Main terminal box







Cor RAL 5009 / Color RAL 5009
Plano de pintura 203A / Painting plan 203A
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
500001674319		ALTERADO CFME. CLAIM 415477818	ELIOM	ALISSON	ALISSON	21.01.2020	02
500001607314		ALT. CONF. ECM: 500001607314	MARCOSH	SAORIN	SAORIN	05.06.2019	01

EXECUTED	SCARMAGNANI	THREE PHASE W22 P-BASE MOTOR PREMIUM EFF	10006613171
CHECKED	DANIELAW	FRAME 284/6HPH IP55 TEFC	000 / 02
RELEASED	DANIELAW	P. BASE	
REL DT	15.05.2019	WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

40 HP 02 Poles 60Hz 415457474/01 MEC

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