DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13500622

Frame	: 447/9T	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 300 HP (220 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 460 V	Ambient temperature	: -20°C to +40°C
Poles	: 6	Altitude	: 1000 m.a.s.l.
Rated current	: 356 A	Protection degree	: IP55
	: 7.7x(Code J)	Cooling method	: IC411 - TEFC
Rated speed	: 1189 rpm	Mounting	: F-1
Rated torque	: 183 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 70.0 dB(A)
Service factor	: 1.00	Starting method	: Direct On Line
Moment of inertia (J)	: 6.09 kgm²	Approx. weight[3]	: 1412 kg
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	95.4	95.8	95.8
Power Factor	0.00	0.63	0.75	0.81

Foundation loads

Max. traction : 4100 kgf

Max. compression : 5512 kgf

		Drive end	Non drive end
Bearing type	:	NU-322 C3	6319 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	7000 h	13000 h
Lubricant amount	:	60 g	45 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	28/05/2026		1 / 2	

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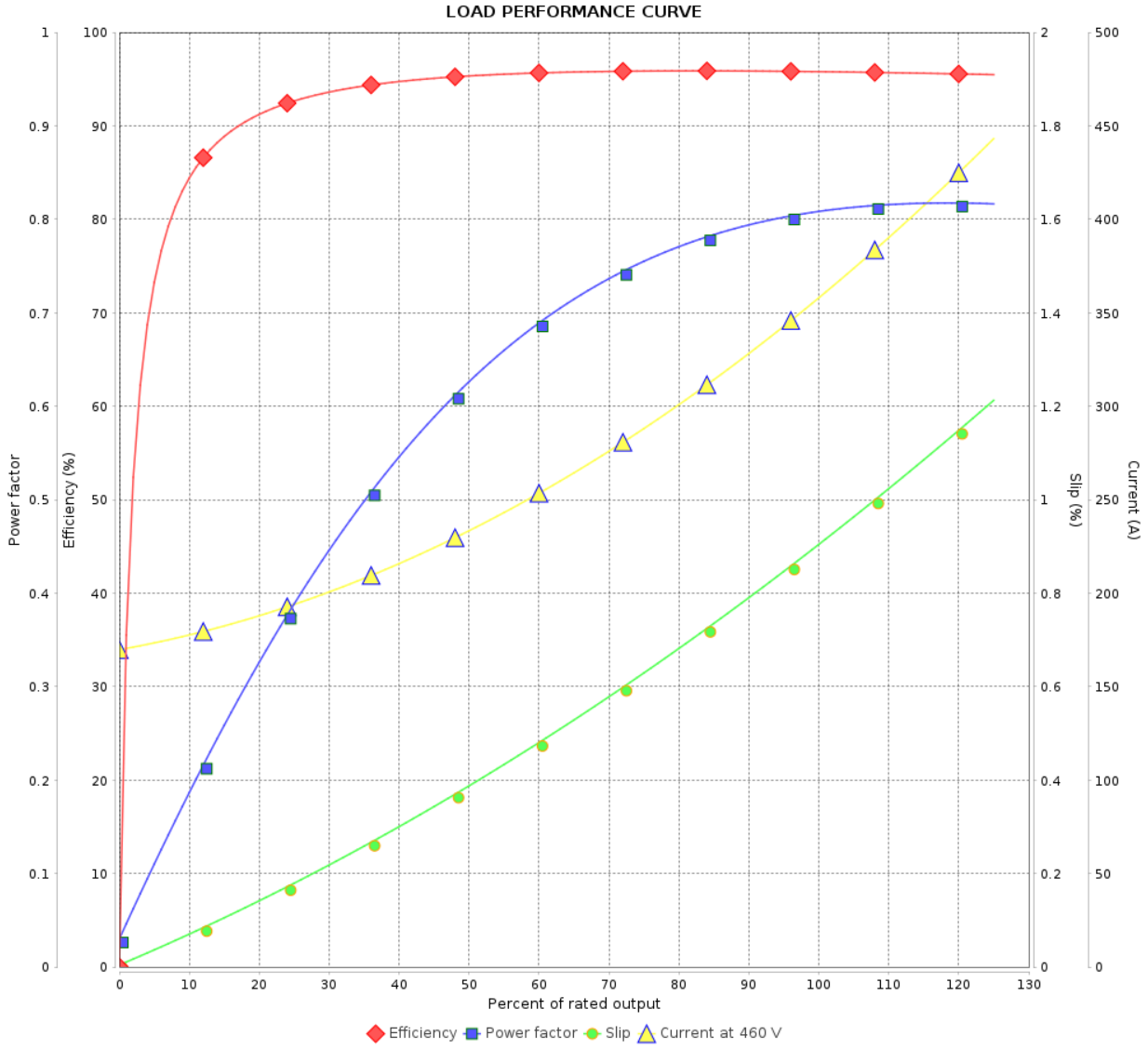
LOAD PERFORMANCE CURVE

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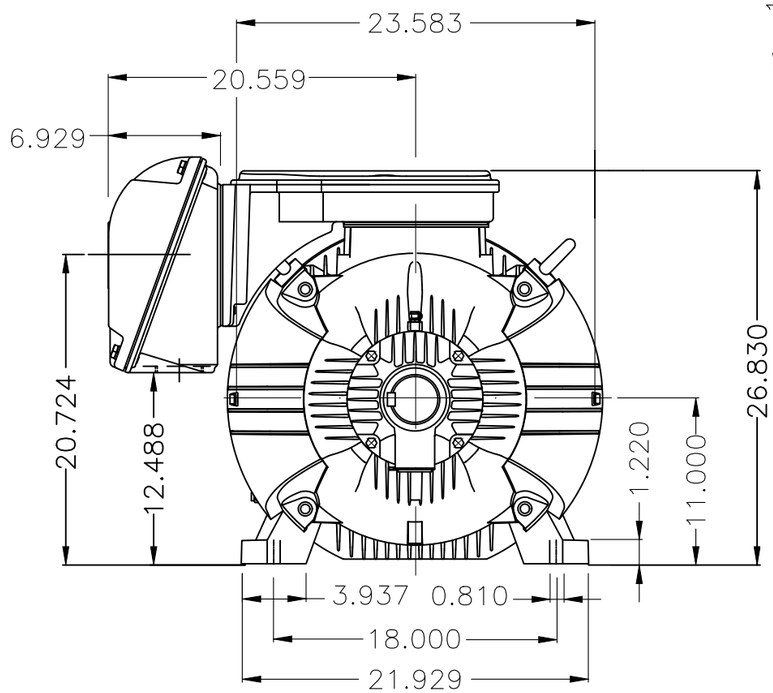
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Checked by			Page	Revision
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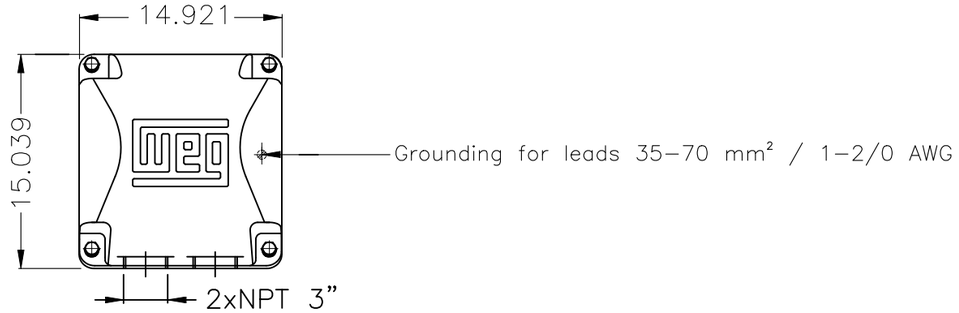
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EIXO/SHAFT	
PADRÃO/STANDARD	X
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	

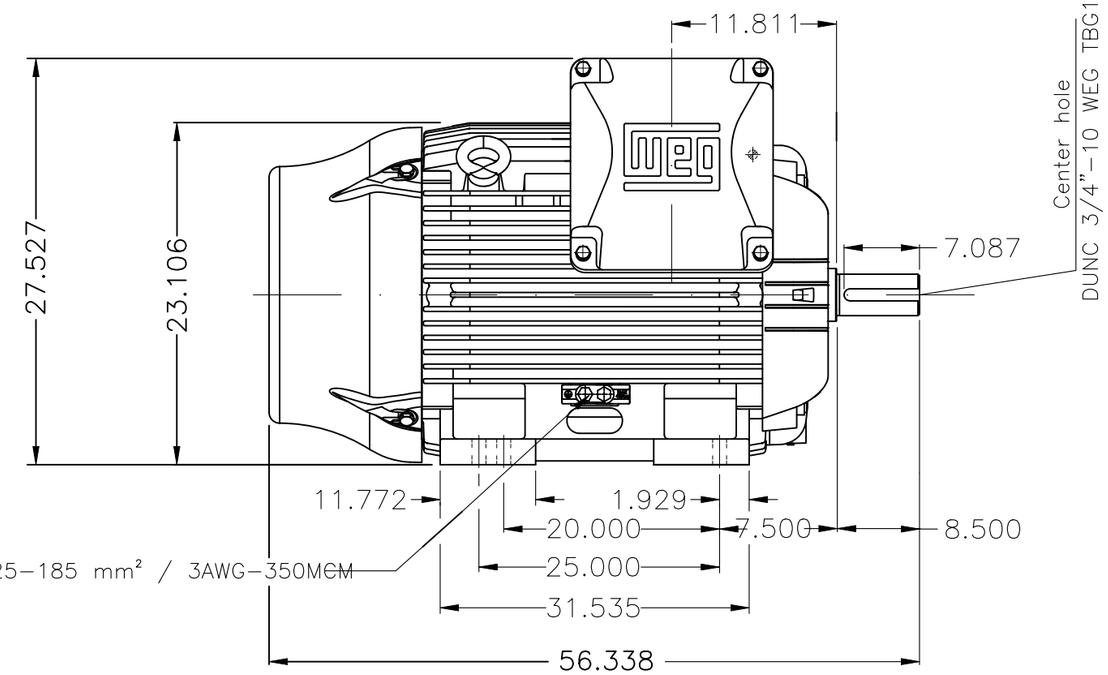
Dimensões em polegada
Dimensions in inches

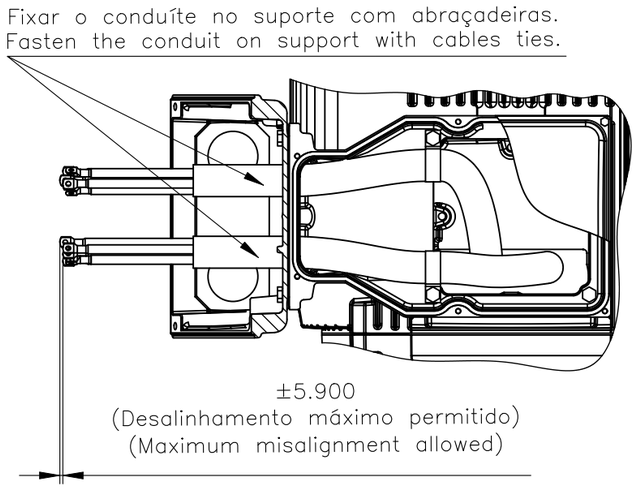
THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.

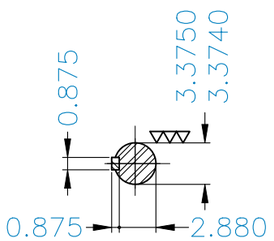




Main terminal box







DE Shaft End

200 HP	08 Poles	60Hz	414658029	E
300 HP	06 Poles	60Hz	414658029	D
250 HP	06 Poles	60Hz	414658029	C
350 HP	04 Poles	60Hz	414658029	B
300 HP	04 Poles	60Hz	414658029	A

Preencher com graxa 3/4 do volume interno disponível no anel de fixação interno
Fill with grease 3 / 4 of the internal volume available in the internal bearing

Linha do motor: Crusher Duty / Motor purpose: Crusher Duty

Dispositivo de travamento de eixo / Shaft locking device

Rolamento dianteiro de rolos / DE roller bearing

Conduite para cabos no interior do suporte da caixa de ligação
Cables conduit inside terminal box support

Cor RAL 5009 / Color RAL 5009

Plano de pintura 203A / Painting plan 203A

Forma construtiva B3D / Mounting B3R(D)

WEG EQUIPAMENTOS ELÉTRICOS S/A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500003099116		PCR 100000338283	DOGE	GABRIELID	GABRIELID	01.12.2025	10
500002883787		ALTERADO CONFORME CLAIM 422125681	MBRONDANI	ELIOM	ELIOM	08.04.2025	09

EXECUTED	GABRIELID	THREE PHASE W22 MOTOR	10004923929
CHECKED	JMANENTE	FRAME 447/9T IP55 TEFC	000 | 10
RELEASED	JMANENTE		
REL DT	09.05.2017	WMX HUEHUETOCA INGENIERIA DEL PRODUCTO	SHEET 1 / 1

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