DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13827808

Frame	: 586/7TZ	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 575 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 327 A	Protection degree	: IP55
	: 7.5x(Code H)	Cooling method	: IC411 - TEFC
Rated speed	: 1786 rpm	Mounting	: F-1
Rated torque	: 142 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 78.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 7.49 kgm²	Approx. weight[3]	: 1567 kg
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	95.8	96.2	96.2
Power Factor	0.00	0.68	0.79	0.83

Foundation loads

Max. traction : 1845 kgf

Max. compression : 3412 kgf

		Drive end	Non drive end
Bearing type	:	NU-324 C3	6319 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	3000 h	8000 h
Lubricant amount	:	72 g	45 g
Lubricant type	:	Mobil Polyrex EM	

Notes
W22 NEMA Premium Efficiency
Crusher Duty

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

Three Phase Induction Motor - Squirrel Cage

Customer :

Space heater information

Voltage: 200 - 240 V

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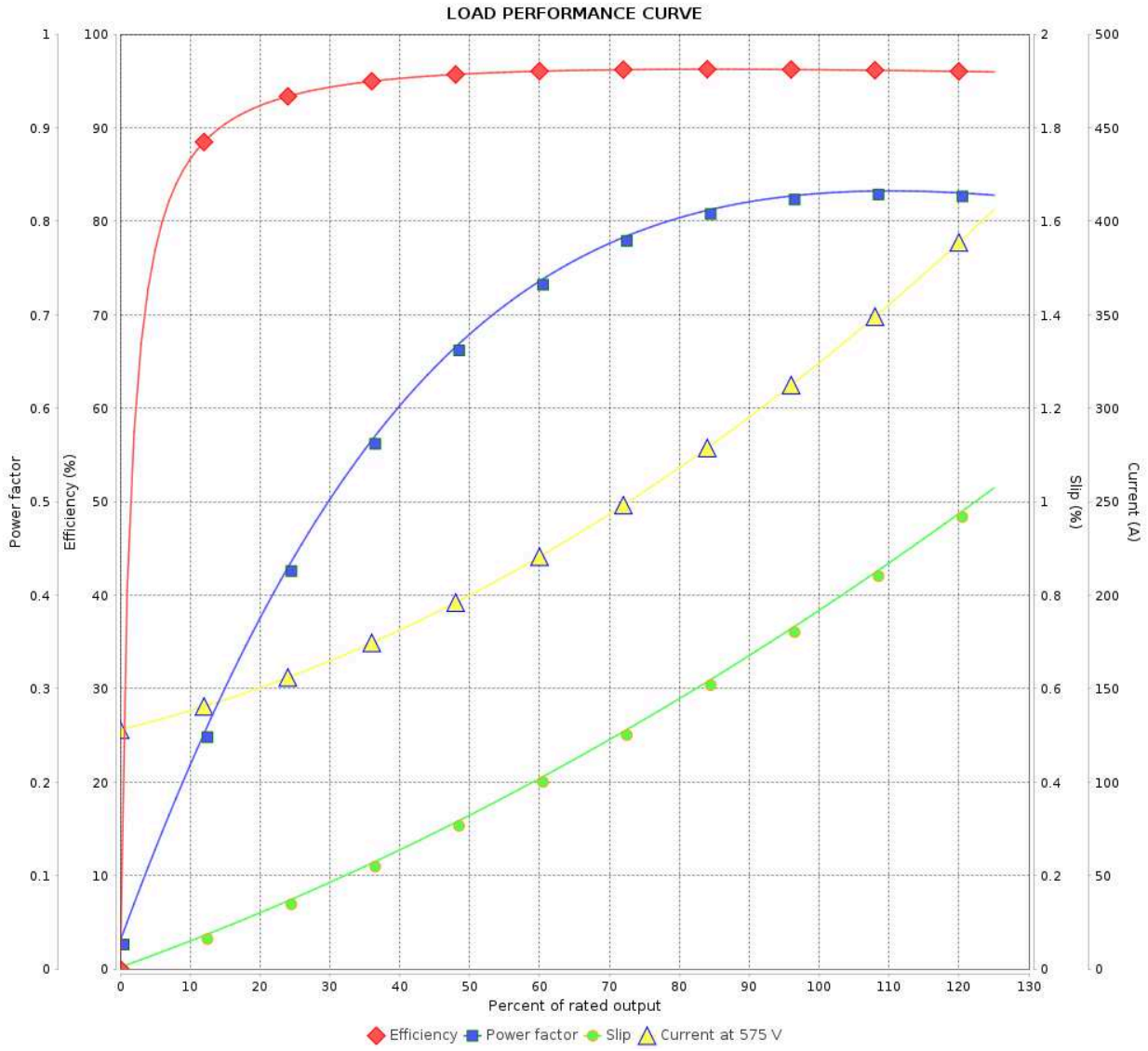
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Product line : W22 NEMA Premium Efficiency Three-Phase

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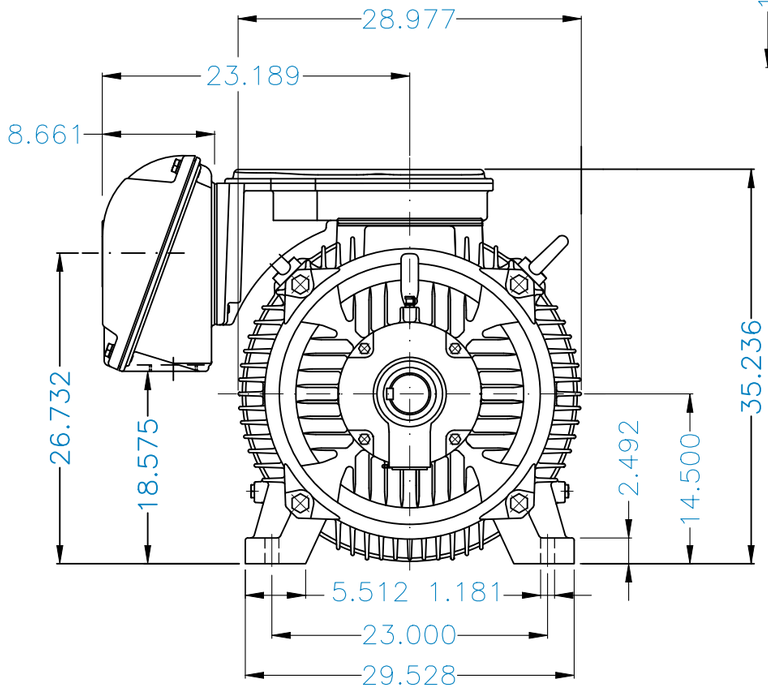
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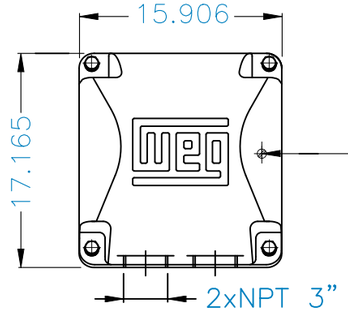
EIXO/SHAFT	
PADRÃO/STANDARD	
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	X

Dimensões em polegada
Dimensions in inches

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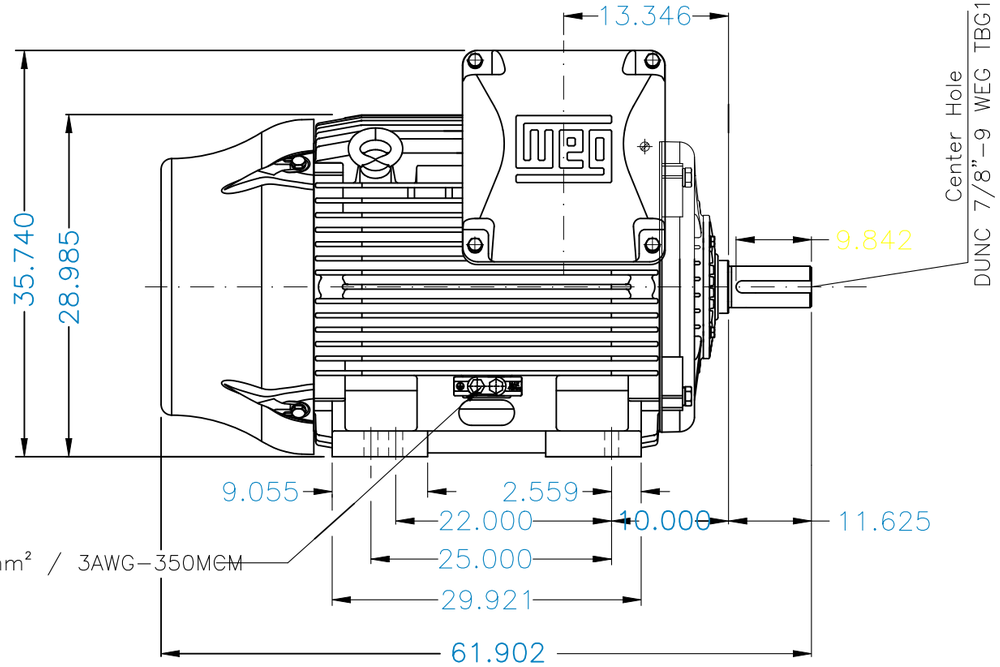
THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.



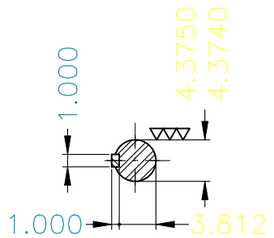


Grounding for leads 35–120 mm² / 1–4/0 AWG

Main terminal box

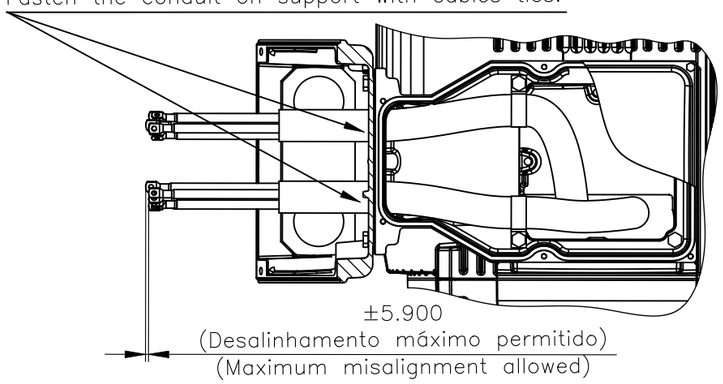


Grounding for leads 25–185 mm² / 3AWG–350MCM



DE Shaft End

Fixar o conduíte no suporte com abraçadeiras.
Fasten the conduit on support with cables ties.



±5.900
(Desalinhamento máximo permitido)
(Maximum misalignment allowed)

350 HP	04 Poles	60Hz	414481094/0	ELET/MEC	B
300 HP	06 Poles	60Hz	414481009/0	ELET/MEC	A

Linha do motor: Crusher Duty / Motor purpose: Crusher Duty
Dispositivo de travamento de eixo / Shaft locking device
Categoria A / Design A
Tampa dianteira especial / Special DE endshield
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
Rolamento dianteiro de rolos NU–324 / NU–324 DE roller bearing
Rolamento dianteiro de rolos / DE roller bearing
Tampa traseira com mancal eletricamente isolado NDE endshield with electrically insulated bearing hub
Cor RAL 5009 / Color RAL 5009
Plano de pintura 203A / Painting plan 203A
Forma construtiva NEMA F–1 / Mounting NEMA F–1
Forma construtiva B3D / Mounting B3R(D)

WEG ELECTRIC CORPORATION - WEC

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500003089492		PCR 100000336465	DOGE	GABRIELID	GABRIELID	19.11.2025	03
500002620216		ALT CONF CLAIM 422229394	CLAUDEMIRR	SCATOLIN	SCATOLIN	24.04.2024	02

EXECUTED	DVEGINI	THREE PHASE W22 MOTOR - NEMA PREMIUM EFF FRAME 586/7TZ IP55 TEFC	10004622356	
CHECKED	NSCHMIDT		000	03
RELEASED	NSCHMIDT			
REL DT	23.11.2016	WMO Jaragua do Sul Product Engineering	SHEET	1 / 1

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