DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 17371831

Frame	: 586/7TZ	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 500 HP (370 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	: 454 A	Protection degree	: IP55
	: 6.5x(Code G)	Cooling method	: IC411 - TEFC
Rated speed	: 1790 rpm	Mounting	: F-1
Rated torque	: 203 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 81.0 dB(A)
Service factor	: 1.00	Starting method	: Direct On Line
Moment of inertia (J)	: 10.8 kgm²	Approx. weight[3]	: 1874 kg
Design	: A		

Output	50%	75%	100%
Efficiency (%)	95.8	96.2	96.2
Power Factor	0.75	0.83	0.85

Foundation loads

Max. traction : 2533 kgf

Max. compression : 4406 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
4.6	3.4	2.6	2.9	1.8	1.4	0.8

		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

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 / 3	

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 ºC

Space heater information

Voltage: 200 - 240 V

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
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Date	28/05/2026		2 / 3	

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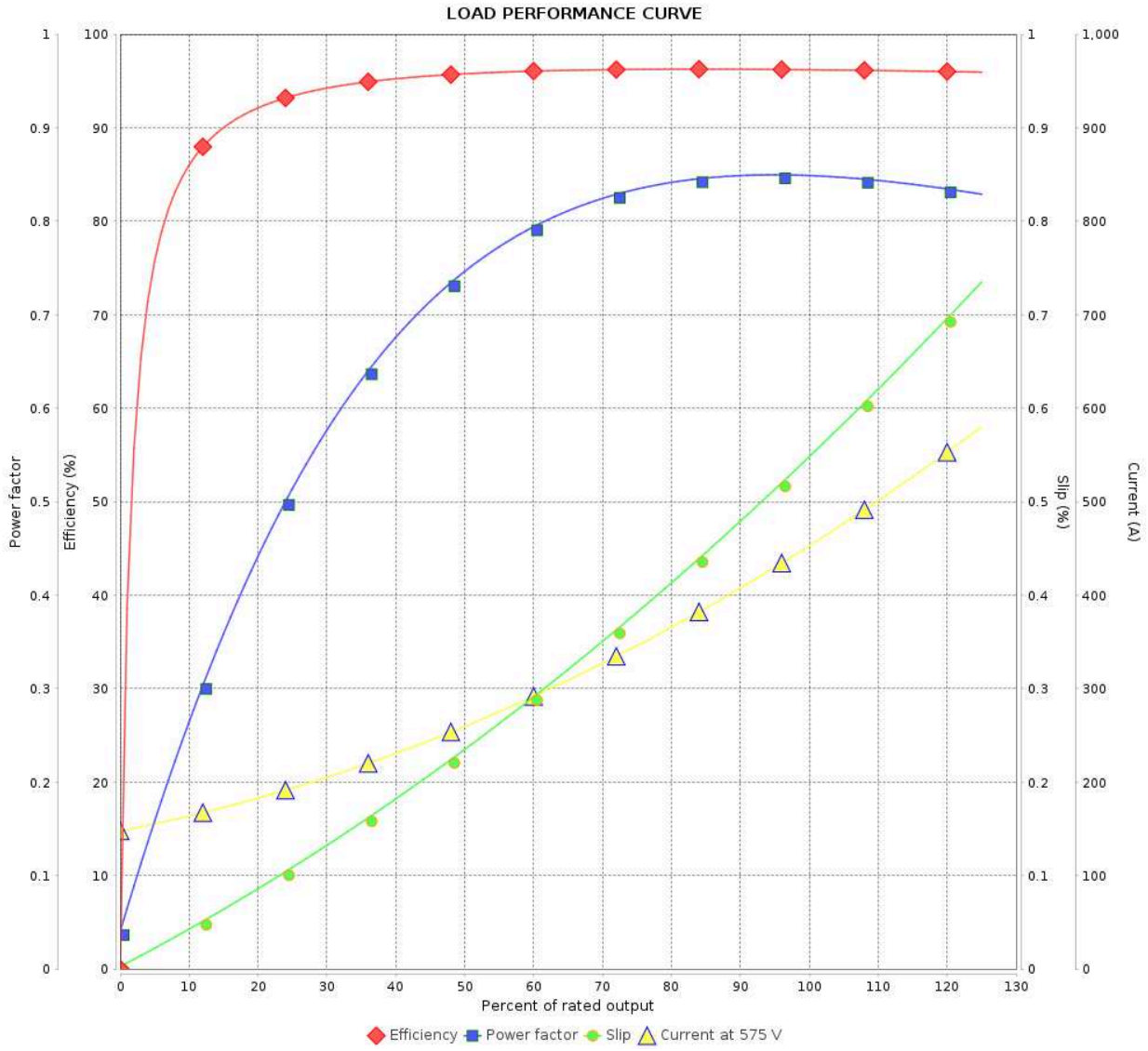
LOAD PERFORMANCE CURVE

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Date	28/05/2026		3 / 3	

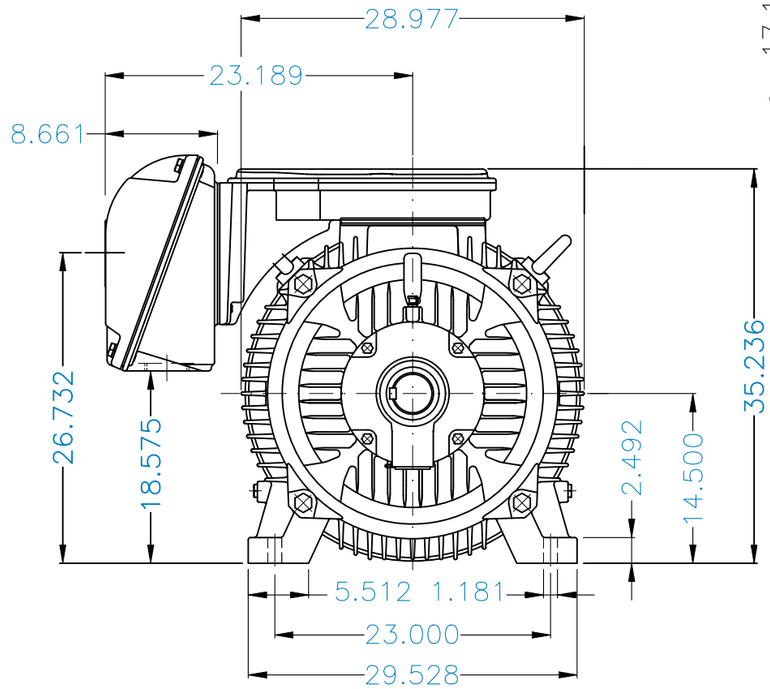
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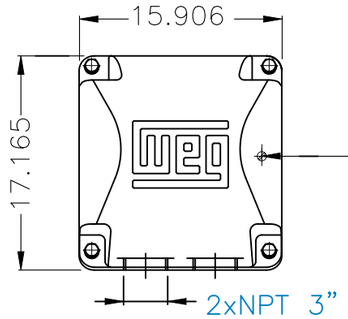
EIXO/SHAFT	
PADRÃO/STANDARD	
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	X

Dimensões em polegada
Dimensions in inches

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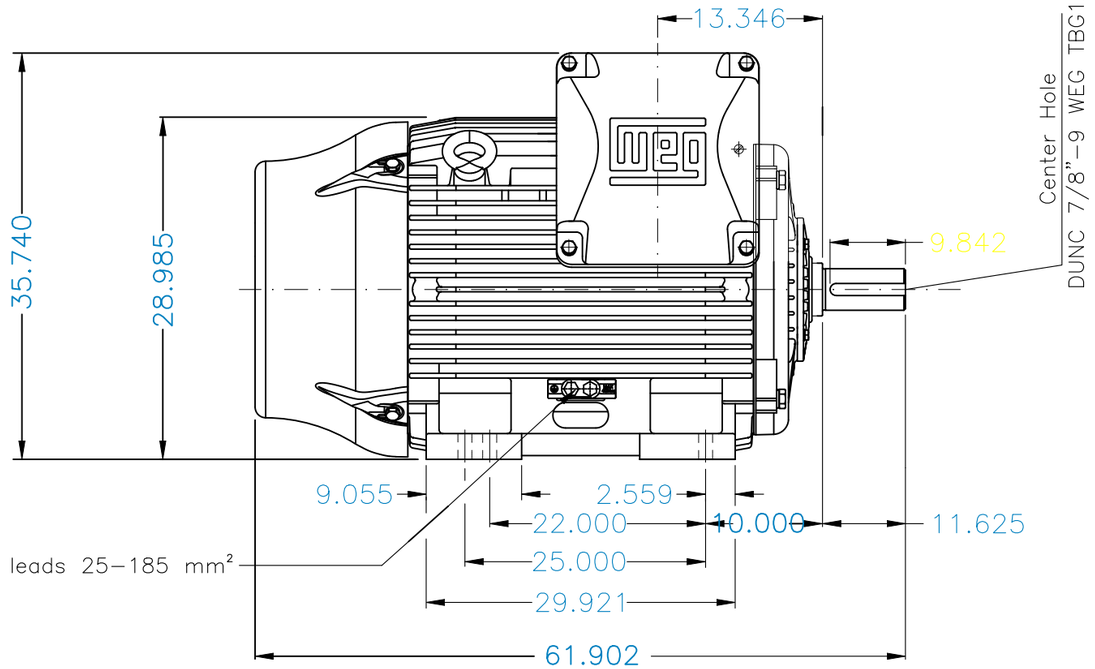
THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.





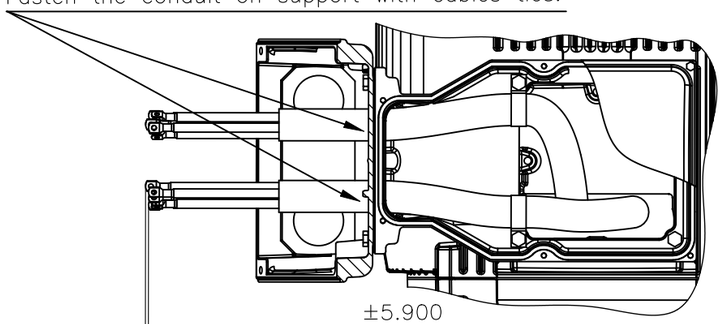
Grounding for leads 35–120 mm²

Main terminal box

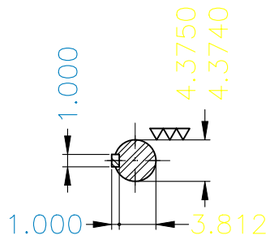


Grounding for leads 25–185 mm²

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



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



DE Shaft End

500	HP	04	Poles	60Hz	J
500	HP	06	Poles	60Hz	I
450	HP	04	Poles	60Hz	H
450	HP	06	Poles	60Hz	G
400	HP	04	Poles	60Hz	F
400	HP	06	Poles	60Hz	E
350	HP	04	Poles	60Hz	D
350	HP	06	Poles	60Hz	C
300	HP	04	Poles	60Hz	B
300	HP	06	Poles	60Hz	A

414149741/0 MEC

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
Rolamento dianteiro de rolos / DE roller bearing
Tampa dianteira especial / Special DE endshield
Dispositivo de travamento de eixo / Shaft locking device
Rolamento dianteiro de rolos NU–324 / NU–324 DE roller bearing
Proteção térmica para desligamento – termostato 155°C Thermal protection to switch off – thermostat 155°C
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
500003081302		PCR 100000335186	DOGE	LEDUARDO	LEDUARDO	11.11.2025	08
500002620216		ALT CONF CLAIM 422229394	CLAUDEMIRR	SCATOLIN	SCATOLIN	24.04.2024	07

EXECUTED	DVEGINI	THREE PHASE W22 MOTOR - NEMA PREMIUM EFF FRAME 586/7TZ IP55	10004040391 000 | 08
CHECKED	NSCHMIDT		
RELEASED	NSCHMIDT		
REL DT	25.01.2016	WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

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