DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12678124
		Catalog # :	

Frame	: 213/5TCZ	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 105 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 18.1/9.07 A	Protection degree	: IP55
L. R. Amperes	: 136/68.0 A	Cooling method	: IC410 - TENV
LRC	: 7.5x(Code J)	Mounting	: F-1
No load current	: 8.00/4.00 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1770 rpm	Starting method	: VFD
Slip	: 1.67 %	Approx. weight[3]	: 169 lb
Rated torque	: 22.3 ft.lb		
Locked rotor torque	: 229 %		
Breakdown torque	: 330 %		
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 1.35 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	90.2	91.7	91.7
Power Factor	0.00	0.67	0.77	0.83

Foundation loads

Max. traction	: 330 lb
Max. compression	: 498 lb

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6308 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	06/03/2025		1 / 2	

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Customer :

Thermal protection

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

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	06/03/2025		2 / 2	

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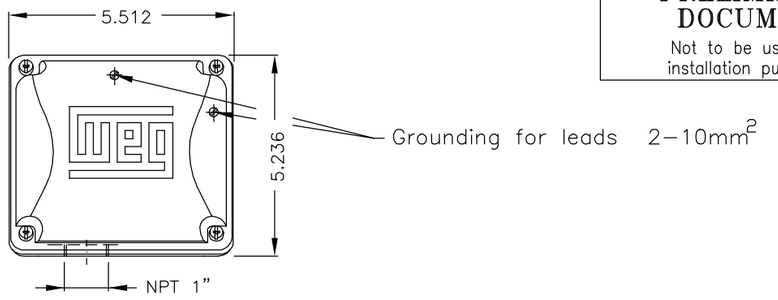
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EIXO	
PADRÃO	
OPCIONAL	
ESPECIAL	X

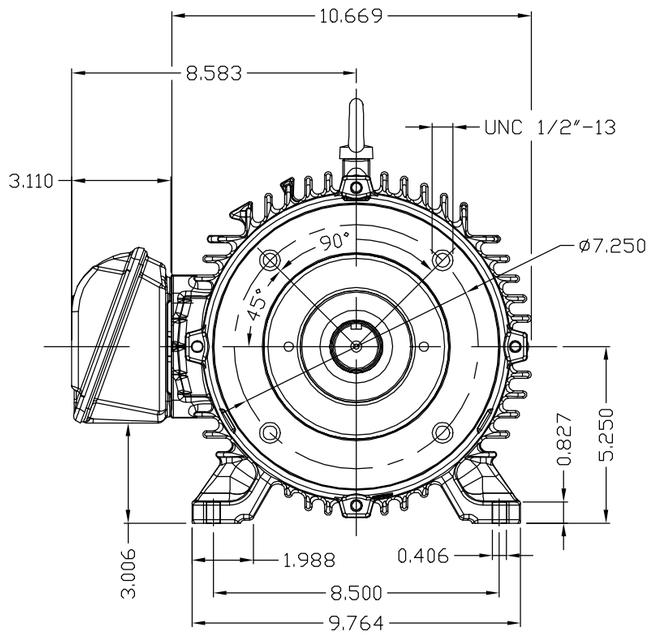
Dimensões em polegadas
Dimensions in inches

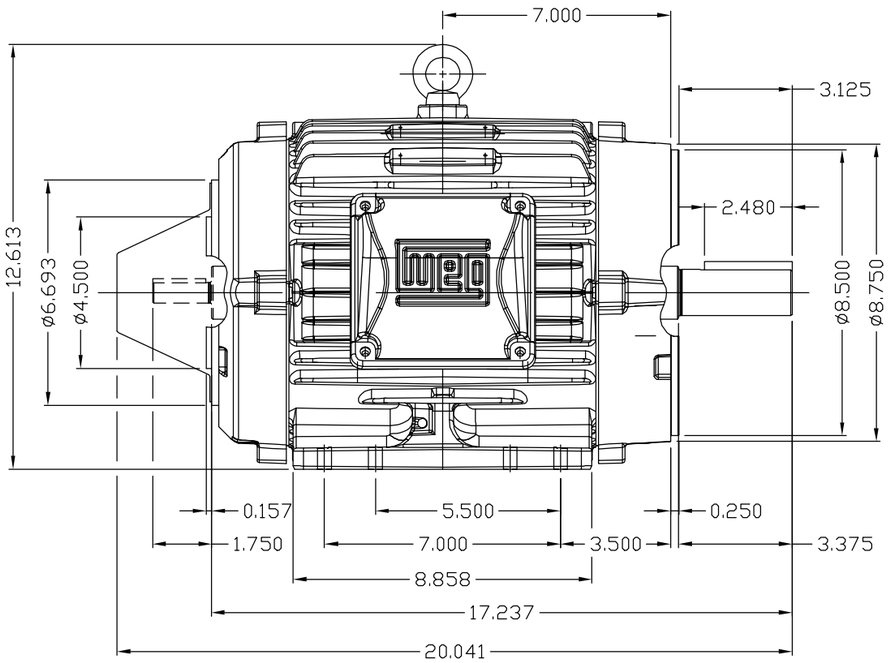
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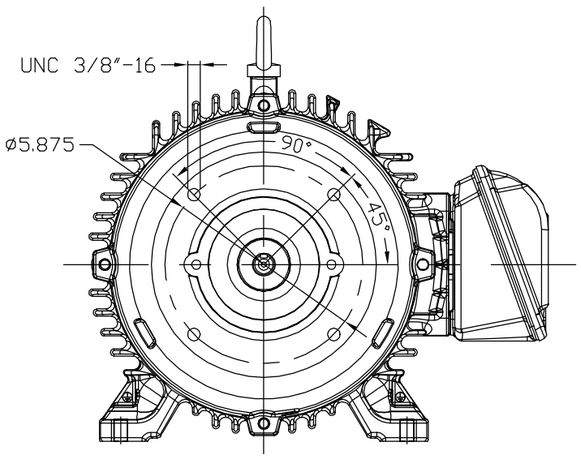
THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.

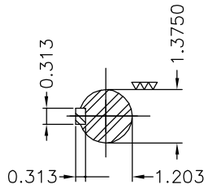


Main terminal box

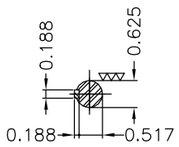








DE Shaft End



NDE Shaft End

Sin ventilador / Without fan	
Sin deflectora / Without fan cover	
Termostato 155°C – Desconexión / Thermostats 155°C to trip	
Anillo fijación del rodamiento / Bearing cap	
Plan de pintura 207A / Painting plan 207A	
Forma constructiva NEMA F-1 / Mounting NEMA F-1	
Forma constructiva B34R(D) / Mounting B34R(D)	

WEG ELECTRIC CORPORATION – WEC

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001568583		ACCORDING TO CLAIM 415383210	PEREZA	JOSEARMANDO	JOSEARMANDO	13.03.2019	01
500000841966		DOCUMENTO NOVO	RALCANTARA	AZUE	AZUE	06.01.2014	00

EXECUTED	RALCANTARA	THREE PHASE W22 MOTOR - NEMA PREMIUM EFF	10002647750
CHECKED	AZUE	FRAME 213/5TCZ IP55	000 / 01
RELEASED	AZUE		
REL DT	06.01.2014	WMX HUEHUETOCA INGENIERA DEL PRODUCTO	SHEET 1 / 1

OV: 3030514
PC: Vector Duty

7.5 HP 04 Poles 60Hz

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