DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12212457
		Catalog # :	

Frame	: 254/6TCZ	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 15 HP (11 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	: 36.0/18.0 A	Protection degree	: IP55
L. R. Amperes	: 310/155 A	Cooling method	: IC410 - TENV
LRC	: 8.6x(Code K)	Mounting	: F-1
No load current	: 15.0/7.50 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1770 rpm	Starting method	: VFD
Slip	: 1.67 %	Approx. weight[3]	: 340 lb
Rated torque	: 44.5 ft.lb		
Locked rotor torque	: 240 %		
Breakdown torque	: 270 %		
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 3.62 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	91.0	92.4	92.4
Power Factor	0.00	0.67	0.78	0.83

Foundation loads

Max. traction	: 406 lb
Max. compression	: 746 lb

		Drive end	Non drive end
Bearing type	:	6309 C3	6309 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	13 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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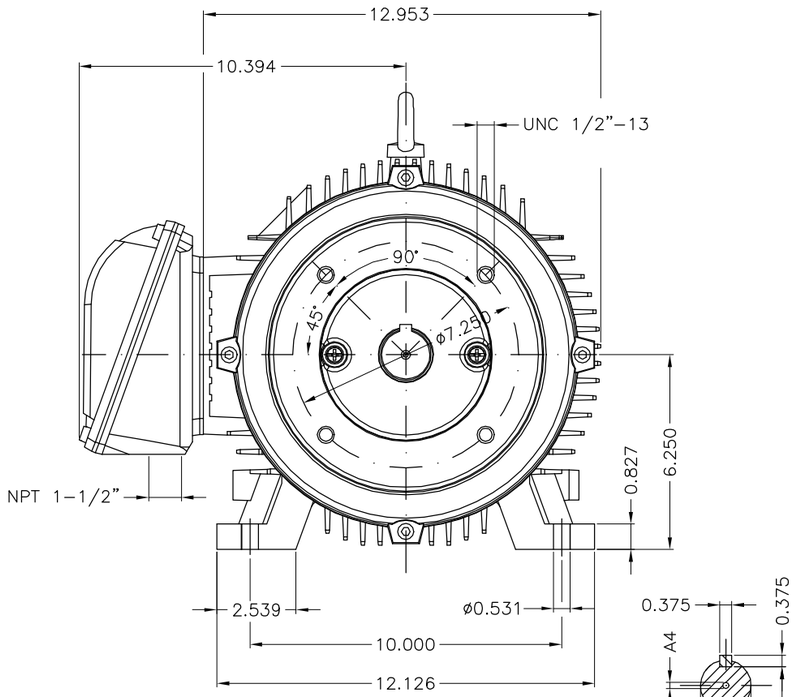
EIXO	
PADRÃO	
OPCIONAL	
ESPECIAL	X

Dimensões em polegadas

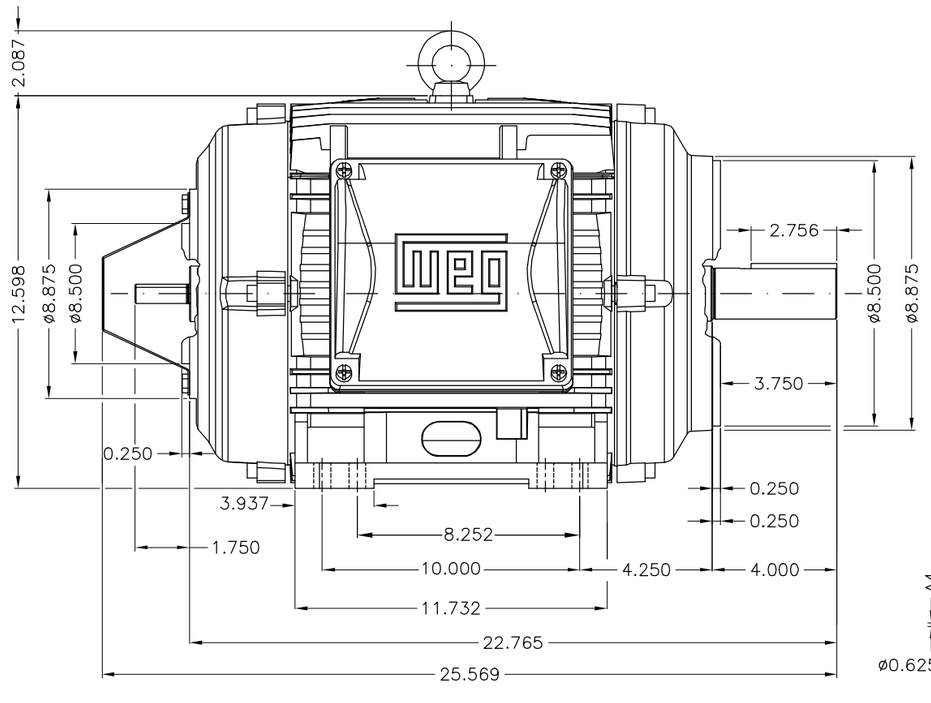
Dimensions in inches

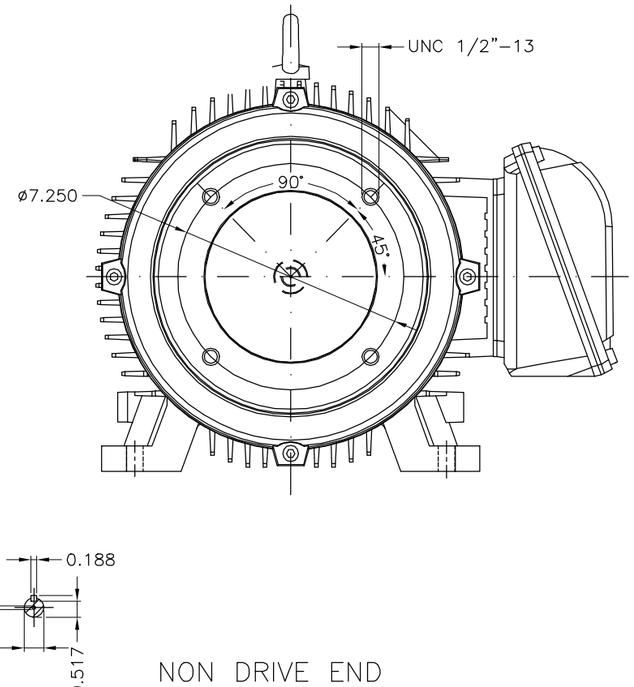
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THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.



DRIVE END





NON DRIVE END

Rodamiento esferas delantero 6309 / 6309 DE ball bearing

Rodamiento trasero delantero 6309 / 6309 NDE ball bearing

Rodamientos esferas con huelga C3 / Ball bearings with C3 clearance

WEG MEXICO

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001281260		ACCORDING TO 414351734	VJIMENEZ		JUANL	25.04.2017	03
500001019834		CHANGES ACCORDING TO ECM	OLOPEZ		AZUE	06.04.2015	02

EXECUTED	JOSEHM	THREE PHASE MOTOTR	10001945412		
CHECKED		FRAME 254/6TC IP55	000	04	
RELEASED	JOSEHM				
REL DT	12.10.2012	WMX HUEHUETOCA INGENIERA DEL PRODUCTO	SHEET	1 / 1	

15 HP 04 Poles 60 Hz 413684488/02 A

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