DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12760979
		Catalog # :	

Frame	: 143/5TC	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 2 HP (1.5 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	: 5.31/2.65 A	Protection degree	: IP55
L. R. Amperes	: 43.0/21.5 A	Cooling method	: IC410 - TENV
LRC	: 8.1x(Code K)	Mounting	: F-1
No load current	: 3.10/1.55 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1755 rpm	Starting method	: VFD
Slip	: 2.50 %	Approx. weight[3]	: 61.7 lb
Rated torque	: 5.98 ft.lb		
Locked rotor torque	: 250 %		
Breakdown torque	: 330 %		
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 0.1566 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	85.8	86.5	86.5
Power Factor	0.00	0.63	0.76	0.82

Foundation loads

Max. traction	: 141 lb
Max. compression	: 203 lb

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6205 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	

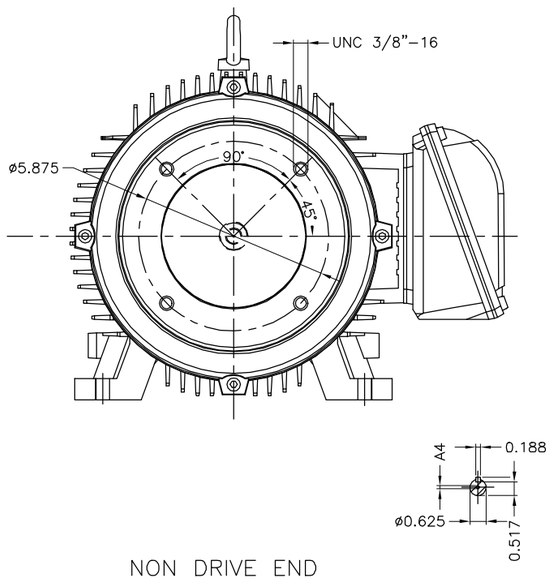
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EJE/SHAFT	
ESTÁNDAR/STANDARD	
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	X

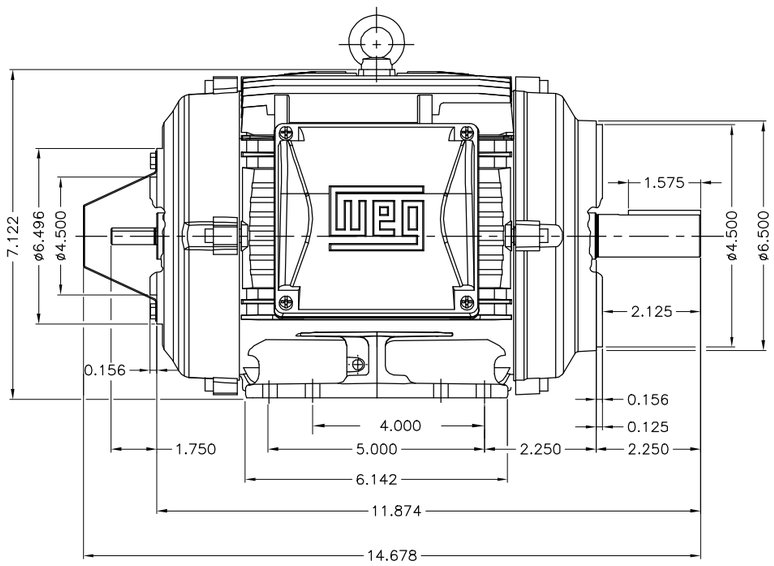
Dimensões em polegadas
Dimensions in inches

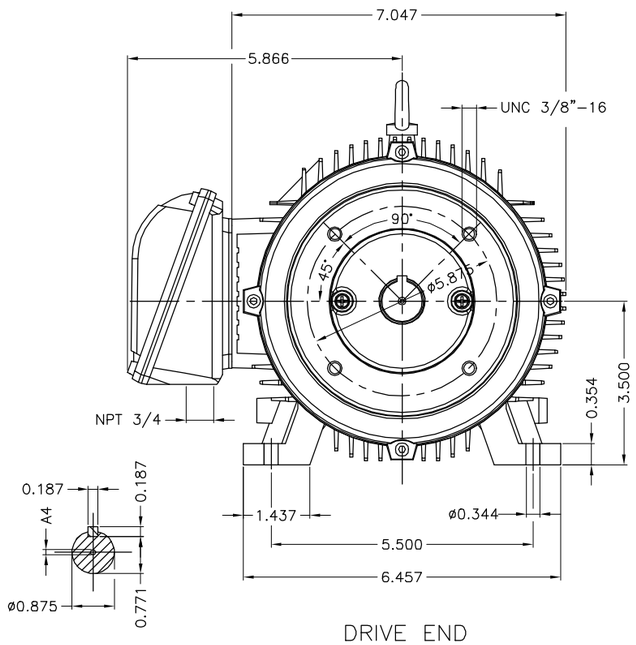
CERTIFIED
WEG MOTORES
Certified document.
Not subject to changes.

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



NON DRIVE END





DRIVE END

Sin deflectora / Without fan cover
Termostato 155°C – Desconexión / Thermostats 155°C to trip
Anillo fijación del rodamiento / Bearing cap
Sin ventilador / Without fan
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
500001499515		ACCORDING TO CLAIM 415160683	DRODRIGUEZ	JOSEARMANDO	JOSEARMANDO	27.11.2018	03
500001086698		ALT. DISTÂNCIA FUNDO CHAVETA	ALESOMZ	MENSOR	MENSOR	21.09.2015	02

OV: 3133830
PC: CHI.17687

EXECUTED	PNAVA	THREE PHASE W22 MOTOR - NEMA PREMIUM EFF	10002789442
CHECKED	PNAVA	FRAME 143/5TC IP55	000 | 03
RELEASED	PNAVA		
REL DT	31.03.2014	WNX HUEHUETOCA INGENIERA DEL PRODUCTO	SHEET 1 /

2 HP 04 Poles 60Hz 413383216

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ZME A3

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