DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12678202
		Catalog # :	

Frame	: 182/4TCZ	Locked rotor time	: 55s (cold) 31s (hot)
Output	: 5 HP (3.7 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	: 14.2/7.11 A	Protection degree	: IP55
L. R. Amperes	: 135/67.5 A	Cooling method	: IC410 - TENV
LRC	: 9.5x(Code M)	Mounting	: F-1
No load current	: 8.60/4.30 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1765 rpm	Starting method	: VFD
Slip	: 1.94 %	Approx. weight[3]	: 110 lb
Rated torque	: 14.9 ft.lb		
Locked rotor torque	: 290 %		
Breakdown torque	: 450 %		
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 0.4627 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	87.5	89.5	89.5
Power Factor	0.00	0.51	0.64	0.73

Foundation loads

Max. traction	: 373 lb
Max. compression	: 483 lb

		Drive end	Non drive end
Bearing type	:	6207 ZZ C3	6207 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	

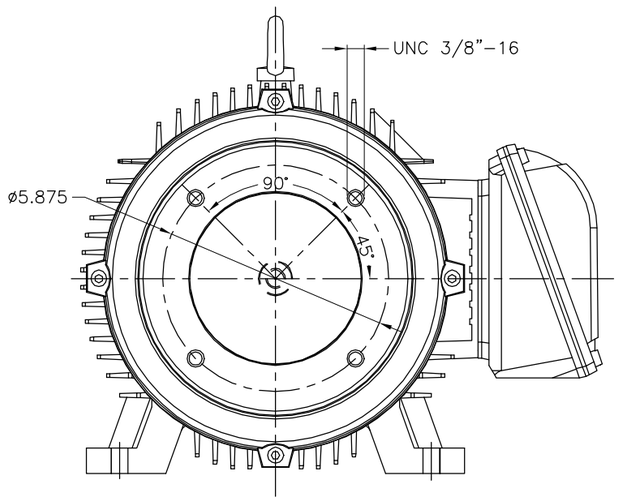
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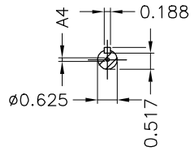
EIXO		
PADRÃO		Dimensões em polegadas
OPCIONAL		Dimensions in inches
ESPECIAL	X	

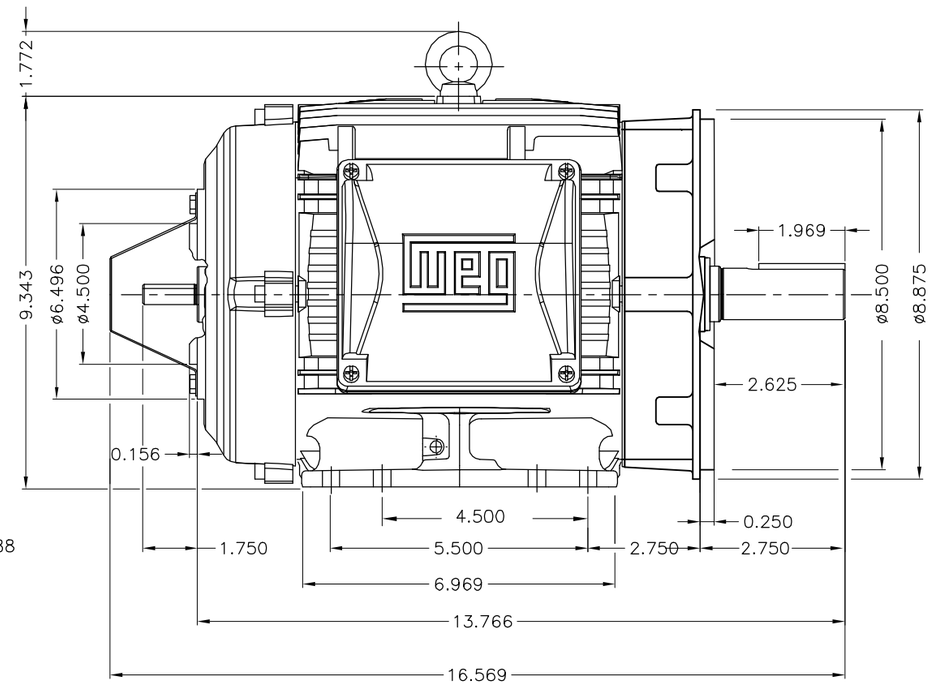
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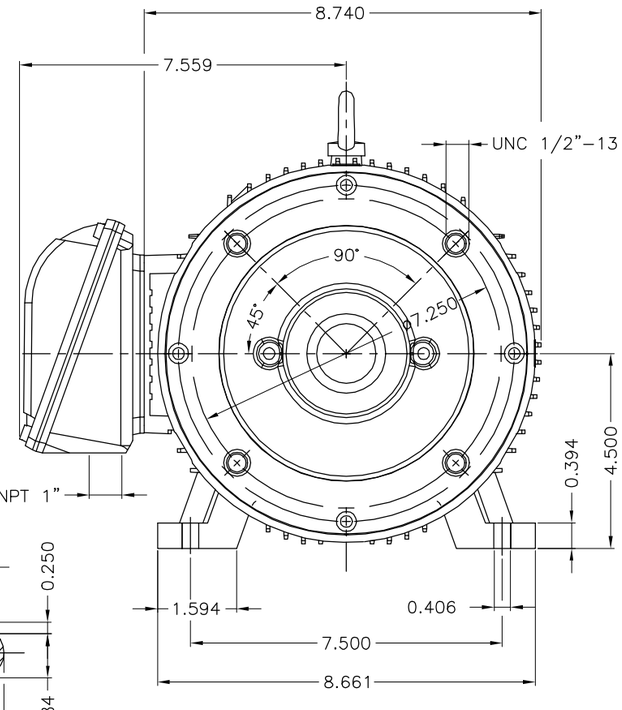
THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.

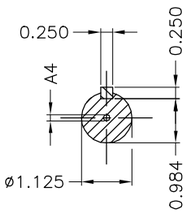


NON DRIVE END









DRIVE END

Placa Tag 01 / Tag Plate

Termostato 155°C – Desconexión / Thermostats 155°C to trip
Sin deflectora / Without fan cover
Rodamiento esferas delantero ZZ–C3 / ZZ–C3 DE ball bearing
Balanceo normal sin chaveta / Standard balancing without key
Motor con paquete central, largo paquete especial Motor with centralized stack, special stack length
Provenido sin chaveta / Supplied without key
Sin ventilador / Without fan
Categoria A / Design A
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

500001952677		CONFORME A CLAIM 418290715	RESTELA	IRVINGI	IRVINGI	22.06.2021	03
500001587875		ACCORGING TO 415383210	PEREZA	MISAEL	MISAEL	23.04.2019	02
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	PNAVA
CHECKED	AZUE
RELEASED	AZUE
REL DT	03.01.2014

THREE PHASE W22 MOTOR - NEMA PREMIUM EFF
FRAME 182/4TCZ IP55

WMX HUEHUETOCA INGENIERA DEL PRODUCTO

10002646819
000 03
SHEET 1 / 1

OV: 3026082
PC: Vector Duty

1.– SPECIAL THERMAL PROTECTOR:
10018066 BIMETAL THERMAL PROT 155 NF 7AM/CD79

NOTES:

5 HP 04 Poles 60Hz 413285530 A

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