DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12787890
		Catalog # :	

Frame	: 254/6TCZ	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 20 HP (15 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	: 53.3/26.6 A	Protection degree	: IP55
L. R. Amperes	: 458/229 A	Cooling method	: IC410 - TENV
LRC	: 8.6x(Code L)	Mounting	: F-1
No load current	: 29.5/14.8 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1775 rpm	Starting method	: VFD
Slip	: 1.39 %	Approx. weight[3]	: 366 lb
Rated torque	: 59.2 ft.lb		
Locked rotor torque	: 360 %		
Breakdown torque	: 430 %		
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 4.28 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	91.8	93.0	93.0
Power Factor	0.00	0.55	0.69	0.76

Foundation loads

Max. traction	: 1037 lb
Max. compression	: 1403 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	

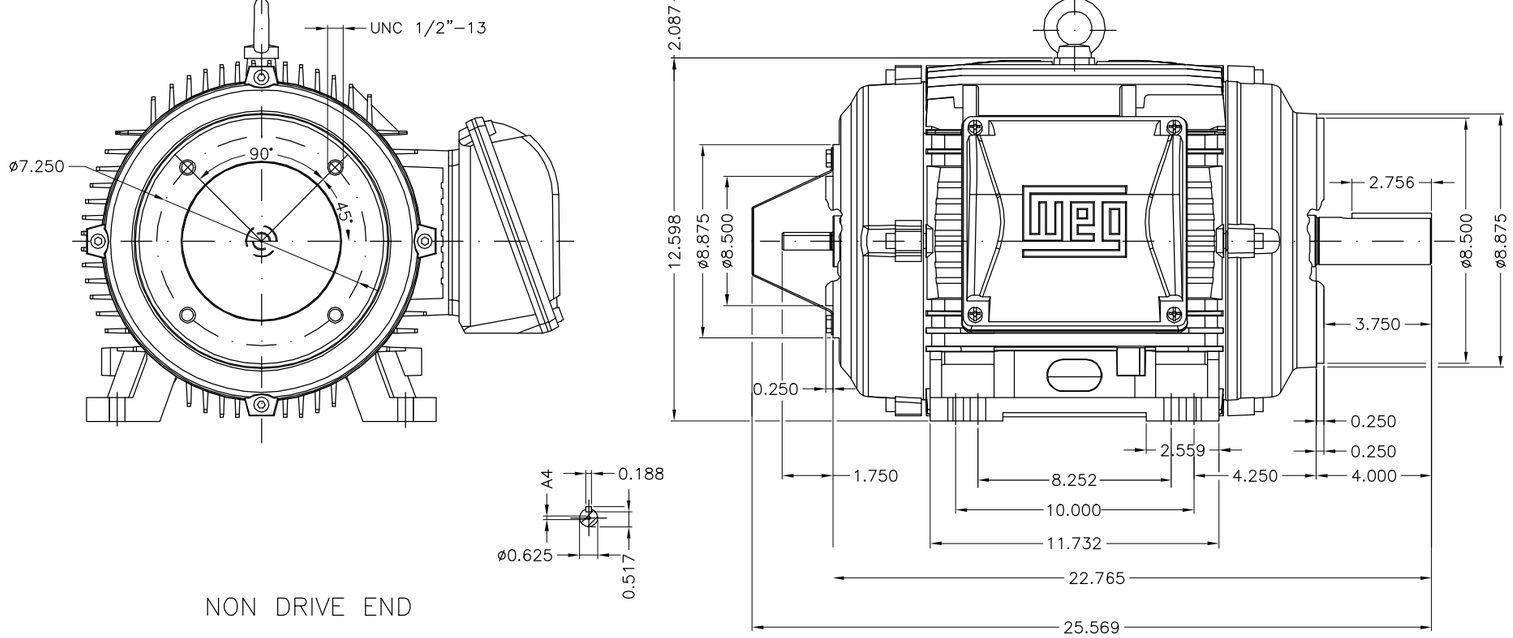
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EJE/EIXO	
ESTÁNDAR/PADRÃO	
OPCIONAL/OPCIONAL	
ESPECIAL/ESPECIAL	X

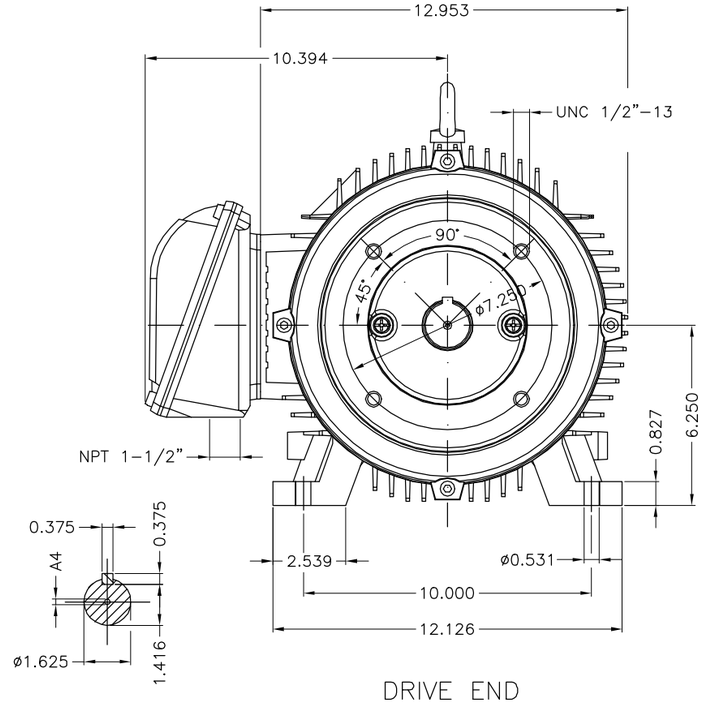
Dimensões em polegada

CERTIFICADO WEG MOTORES
Documento certificado.
Não sujeito a alterações.

ESTA REVISÃO SUBSTITUI E CANCELA A ANTERIOR, A QUAL DEVERA SER ELIMINADA.



NON DRIVE END



DRIVE END

Termostato 155°C – Desconexión / Proteção térmica desligamento – termostato 155°C							
Sin ventilador / Sem ventilador							
Sin deflectora / Sem tampa defletora							
Plan de pintura 203A / Plano de pintura 203A							
Forma constructiva NEMA F-1 / Forma construtiva NEMA F-1							
Forma constructiva B34R(D) / Forma construtiva B34D							
500001568583		CONFORME A CLAIM 415383210	PEREZA	JOSEARMANDO	JOSEARMANDO	13.03.2019	03
500001281260		CONFORME A 414351734	VJIMENEZ	JUANL	JUANL	25.04.2017	02
ECM / *ECM*	LOC / *LOC*	RESUMO MODIFICAÇÃO / *SUMMARY OF MODIFICATIONS*	EXECUTADO / *EXECUTED*	VERIFICADO / *CHECKED*	LIBERADO / *RELEASED*	DATA / *DATE*	VER / *VER*

OV: 20460307
PC: motor for 5GDY130A1

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

NOTES:

EXEC. / *EXECUTED*	MCANTERO	MOTOR TRIFÁSICO W22 - NEMA PREMIUM EFF	10002831130		
VERIF. / *CHECKED*	AZUE	CARCAÇA 254/6TC IP55	000	03	
LIBER. / *RELEASED*	AZUE				
DATA LB / *REL DT*	25.04.2014	WMX HUEHUETOCA INGENIERA DEL PRODUCTO	FOLHA / *SHEET*	1 / 1	

20 HP 04 Polos 60Hz

A

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ZME A3

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