DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Grain Dryer Standard Efficiency Three-Phase

Product code : 13184647

Frame	: 182/4TZ	Cooling method	: IC418 - TEAO
Insulation class	: F	Mounting	: F-3
Duty cycle	: Cont.(S1)	Rotation[1]	: CCW
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight[3]	: 88.9 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.2183 sq.ft.lb
Design	: B		

Output [HP]		10	7.5
Poles		2	2
Frequency [Hz]		60	60
Rated voltage [V]		208-230/460	208-230/460
Rated current [A]		26.1-23.6/11.8	20.0-18.1/9.04
L. R. Amperes [A]		191-172/86.1	190-172/85.9
LRC [A]		7.3x(Code H)	9.5x(Code L)
No load current [A]		6.21-7.20/3.60	6.21-7.20/3.60
Rated speed [RPM]		3480	3520
Slip [%]		3.33	2.22
Rated torque [ft.lb]		15.1	11.2
Locked rotor torque [%]		229	320
Breakdown torque [%]		320	440
Service factor		1.00	1.00
Temperature rise		105 K	105 K
Locked rotor time		16s (cold) 9s (hot)	18s (cold) 10s (hot)
Noise level[2]			
Efficiency (%)	25%	0.000	0.000
	50%	89.3	88.4
	75%	89.4	89.8
	100%	88.3	89.8
Power Factor	25%	0.00	0.00
	50%	0.76	0.67
	75%	0.86	0.79
	100%	0.90	0.85

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6205 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 270 lb

Max. compression : 359 lb

Notes

Minimum Air flow @ 7.5 HP - 23.1 m/s

Minimum Air flow @ 10. HP - 28.3 m/s

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	12/05/2026		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

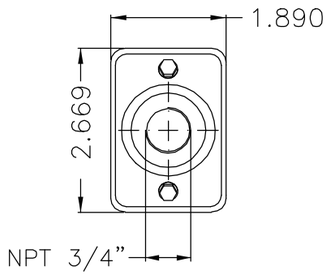
Performed by				
Checked by			Page	Revision
Date	12/05/2026		2 / 2	

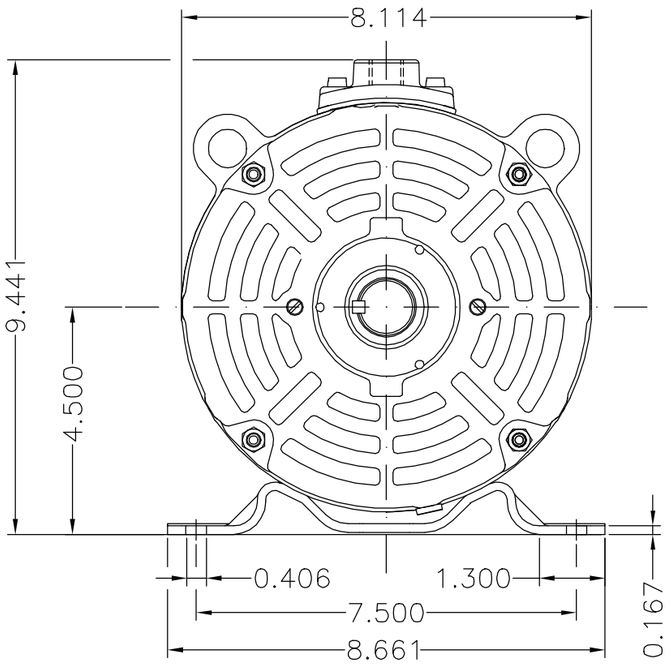
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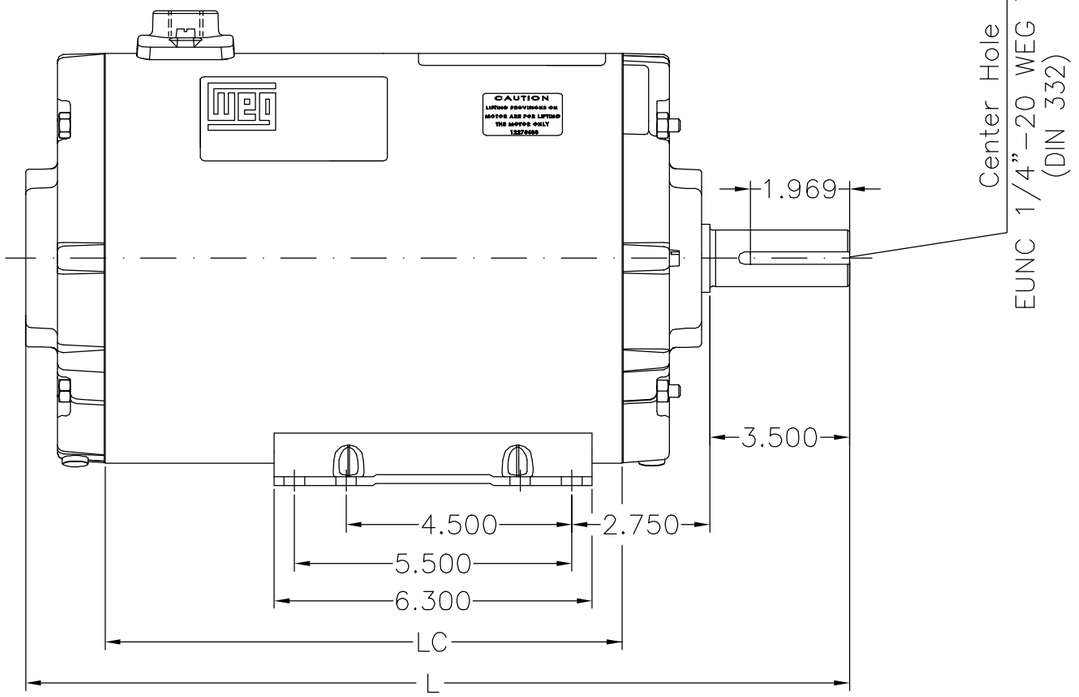
EIXO/SHAFT		Dimensões em polegadas Dimensions in inches
PADRÃO/STANDARD	X	
OPCIONAL/OPTIONAL		
ESPECIAL/SPECIAL		

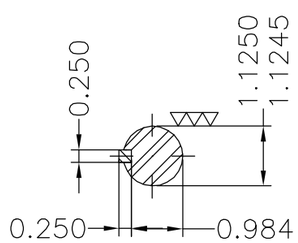
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THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.









				LC	L	
7.5 / 10 HP	02 Poles	60Hz	413759946	10.236	17.070	C
5 / 7.5 HP	02 Poles	60Hz	413759945	9.449	16.282	B
10 HP	02 Poles	60Hz	412839899	10.236	17.070	A

Comprimento do cabo de aterramento 30+2" a partir da base / Grounding lead 30+2" length from base

Comprimento dos cabos de ligação 30+2" a partir da base / Connection leads 30+2" length from base

Etiqueta sobressalente sem logotipos de certificação e sem número de série fornecida em avulso / Spare label without certification logo and without serial number supplied loose

Comprimento dos cabos de acessórios 30+2" a partir da base / Accessories cables length 30+2" from the base

Forma construtiva F-3/B3T / Mounting F-3/B3T

WEG ELECTRIC CORP.

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001038869	B-6	ALT CONFORME CLAIM 413861030	GEVERSON		ANDERSONLB	21.05.2015	09
500001035390	B-6	ACR. FURO CENTRO ROSCADO	DJONASB		DJONASB	12.05.2015	08

EXECUTED	EDUARDOC1	THREE PHASE ROLLED STEEL MOTOR FRAME 182/4TZ IP55 (TEAO)	10002306870 000 | 09
CHECKED			
RELEASED	JTOGNERI		
REL DT	07.06.2013	WMO JARAGUA DO SUL ENGENHARIA DE PRODUTO	SHEET 1 / 1

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