DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEAO - Grain Dryer

Frame	: 143/5TZ	Cooling method	: IC418 - TEAO
Insulation class	: F	Minimum air speed over motor	: 12.1 m/s
Duty cycle	: S1	Mounting	: F-3/B3T
Ambient temperature	: -20 °C to +40 °C	Rotation[1]	: Counter clockwise
Altitude	: 3280 ft	Starting method	: Direct On Line
Protection degree	: IP55	Approx. weight[3]	: 40.9 lb
Design	: B	Moment of inertia (J)	: 0.1092 sq.ft.lb

Output		1.5 HP (1.1 kW)	3 HP (2.2 kW)
Poles		2	2
Frequency		60 Hz	60 Hz
Rated voltage		575 V	575 V
Rated current		1.93 A	3.04 A
L. R. Amperes		22.2 A	21.9 A
LRC		11.5	7.2
No load current		1.39 A	1.38 A
Rated speed		3550 rpm	3480 rpm
Slip		1.39 %	3.33 %
Rated torque		2.19 ft.lb	4.46 ft.lb
Locked rotor torque		450 %	220 %
Pull up torque		380 %	185 %
Breakdown torque		620 %	290 %
Service factor		1.00	1.00
Temperature rise		105 K	105 K
Noise level[2]		68.0 dB(A)	68.0 dB(A)
Locked rotor time (hot)		15 s	10 s
Locked rotor time (cold)		27 s	18 s
Efficiency (%)	50%	69.5	79.3
	75%	76.3	81.7
	100%	79.7	81.7
Power Factor	50%	0.51	0.73
	75%	0.63	0.84
	100%	0.72	0.89

	Drive end	Non drive end
Bearing type	6205-ZZ	6203-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	:
Max. compression	:
Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

Notes
See notes on page 2.

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 be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

Rev.	Changes Summary	Rev.	Checked	Date

Performed by	omarm		1847464123	
Checked by	AUTOMATICO		Page	Rev.
Date	12/05/2026		1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155°C

Notes

Standards				
	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

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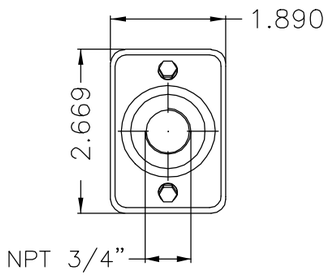
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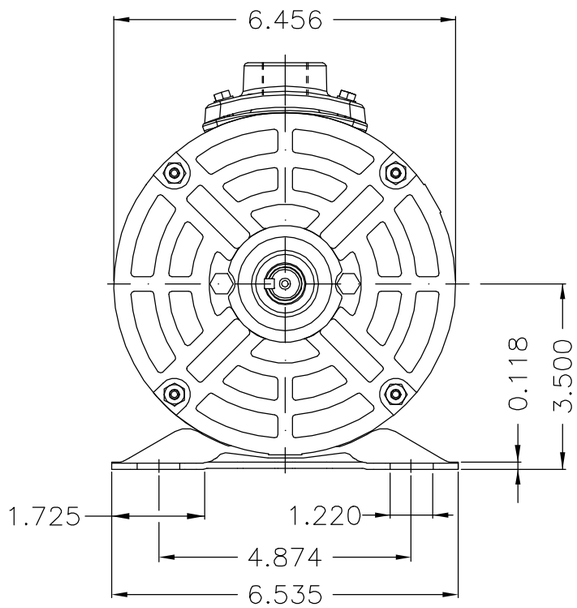
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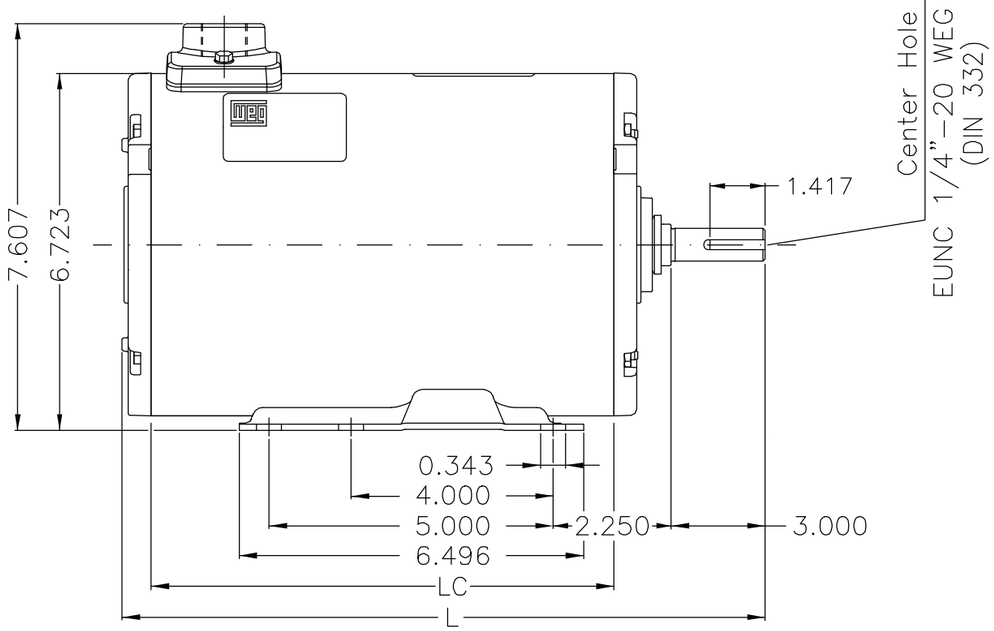
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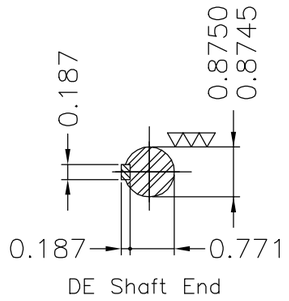
EIXO/SHAFT		Dimensões em polegadas Dimensions in inches
PADRÃO/STANDARD	X	
OPCIONAL/OPTIONAL		
ESPECIAL/SPECIAL		

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









				LC	L	
3 / 4.5 HP	04 Poles	60Hz	413759943	9.055	13.582	B
1.5 / 3 HP	04 Poles	60Hz	413760289	8,268	12.795	A

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

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

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

WEG ELECTRIC CORP.

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001355979		ALTERADO CONFORME ECM	ARIVABENE		MENSOR	11.09.2017	04
500001186609		ALTERAÇÃO CONFORME ECM.	LGAMA		TOBIASR	08.06.2016	03

EXECUTED	PATRICKL	THREE PHASE TEAO ROLLED STEEL FRAME 143/5TZ IP55	10003403642
CHECKED			000 | 04
RELEASED	EMERSONRH		
REL DT	03.03.2015	WMO LINHARES ENGENHARIA DE PRODUTO	SHEET 1 / 1

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