DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: Special Motor
Product code	: 13237783

Frame	: 182/4TZ	Cooling method	: IC418 - TEAO
Insulation class	: F	Mounting	: F-3/B3T
Duty cycle	: S1	Rotation[1]	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight[3]	: 59.5 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0000 sq.ft.lb
Design	: B		

Output		3 HP (2.2 kW)	4.5 HP (3.3 kW)
Poles		2	2
Frequency		60 Hz	60 Hz
Rated voltage		208-230/460 V	208-230/460 V
Rated current		9.45-8.54/4.27 A	12.5-11.3/5.67 A
L. R. Amperes		104-93.9/47.0 A	105-94.9/47.6 A
LRC		11.0 x Code N	8.4 x Code K
No load current		0.000-5.70/2.85 A	0.000-6.80/3.40 A
Rated speed		3540 rpm	3510 rpm
Slip		1.67 %	2.50 %
Rated torque		4.45 ft.lb	6.73 ft.lb
Locked rotor torque		380.0 %	250.0 %
Pull up torque		320.0 %	210.0 %
Breakdown torque		550.0 %	380.0 %
Service factor		1.00	1.00
Temperature rise		105 K	105 K
Locked rotor time (hot)		10 s	10 s
Locked rotor time (cold)		18 s	18 s
Efficiency (%)	50%	79.8	83.9
	75%	84.2	86.4
	100%	86.2	86.9
Power Factor	50%	0.53	0.74
	75%	0.66	0.84
	100%	0.75	0.84

	Drive end	Non drive end
Bearing type	6206-ZZ	6205-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	farazq		1859380766	
Checked by	AUTOMATICO		Page	Rev.
Date	11/06/2026		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
Minimum Air flow @ 3.0 HP - 17.9 m/s
Minimum Air flow @ 4.5 HP - 18.4 m/s

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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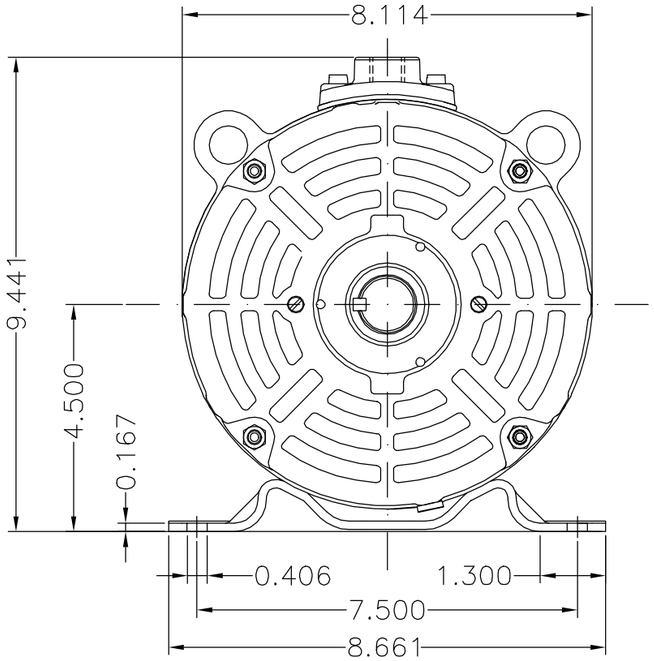
Performed by	farazq		1859380766	
Checked by	AUTOMATICO		Page	Rev.
Date	11/06/2026		2 / 2	0

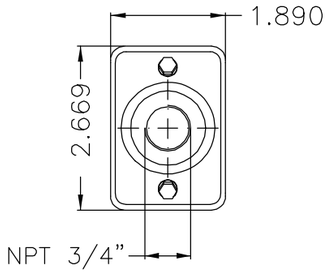
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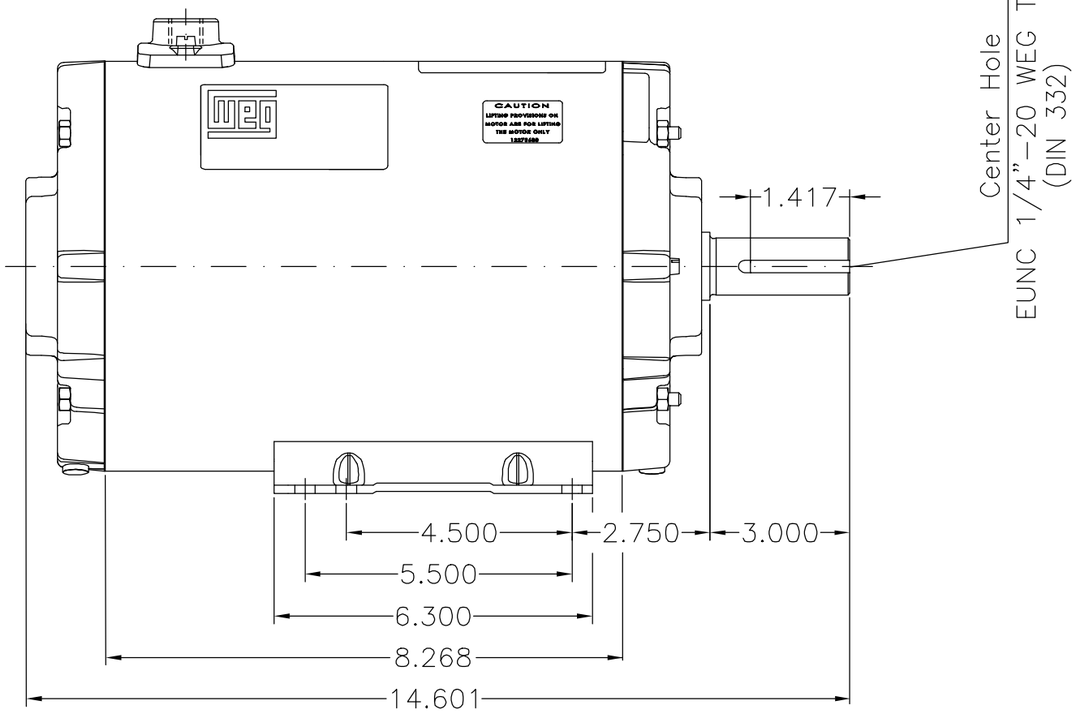
EIXO/SHAFT	
PADRÃO/STANDARD	
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	X

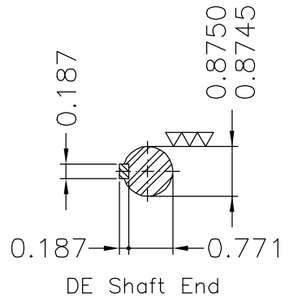
Dimensões em polegadas
Dimensions in inches

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









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
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 ligação 30+2" a partir da base / Connection leads 30+2" length from base
Forma construtiva B3T / Mounting B3T

WEG ELECTRIC CORP.

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001089933		CORRIGIDO CARCAÇA	PATRICKL		RUBENSFM	23.09.2015	04
500001086698		ALT.DISTÂNCIA FUNDO CHAVETA	ALESOMZ		MENSOR	21.09.2015	03

EXECUTED	PATRICKL	THREE PHASE ROLLED STEEL MOTOR	10003443534		
CHECKED		FRAME 182/4TZ IP55 (TEAO)	000	04	
RELEASED	EMERSONRH				
REL DT	16.03.2015	WMO JARAGUA DO SUL ENGENHARIA DE PRODUTO	SHEET	1 / 1	

3/4.5 HP 02 Poles 60Hz 413759944 A

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