DATA SHEET
Single Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: Special Motor
Product code	: 18404332

Frame	: 56HJ	Locked rotor time	: 4 s (hot) 7 s (cold)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 208-230 V	Altitude	: 3280 ft
Rated current	: 22.6-20.4 A	Protection degree	: IP21
L. R. Amperes	: 158-143 A	Cooling method	: ODPFC
LRC	: 7.0 Code H	Mounting	: F-1/B34R(D)
No load current	: 3.50-7.00 A	Rotation[1]	: Counter clockwise
Rated speed	: 3450 rpm	Noise level[2]	: 68.0 dB(A)
Slip	: 4.17 %	Vibration class	: A
Rated torque	: 7.60 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 300.0 %	Approx. weight[3]	: 53.4 lb
Pull up torque	: 255.0 %	Painting plan	: 207N
Breakdown torque	: 260.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: L
Service factor	: 1.00		
Moment of inertia (J)	: 0.0854 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	74.0	80.0	82.0
Power Factor	0.90	0.95	0.96

	Drive end	Non drive end
Bearing type #1	6203-2RS	6202-2RS
Bearing type #2	-	-
Lubrication interval	-	-
Lubricant amount #1	-	-
Lubricant amount #2	-	-
Lubricant type	MOBIL POLYREX EM	

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

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		1866066254	
Checked by	AUTOMATICO		Page	Rev.
Date	26/06/2026		1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature

Notes

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

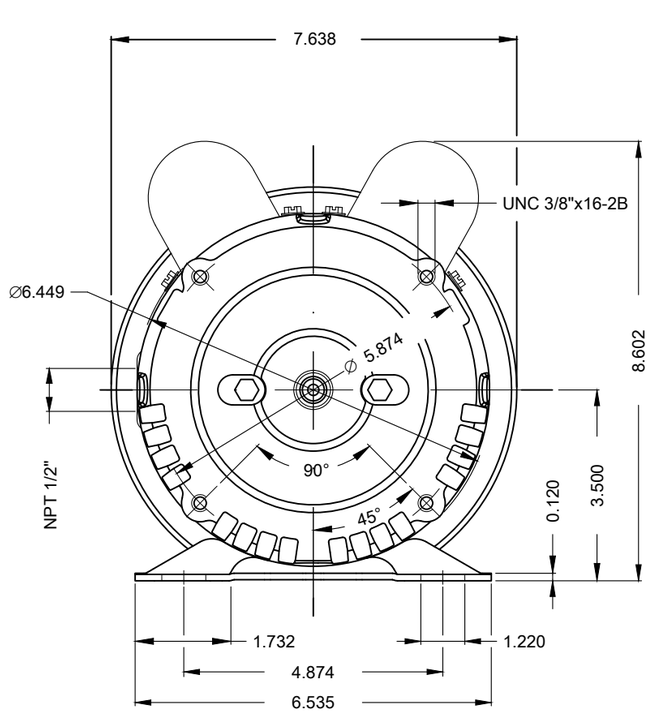
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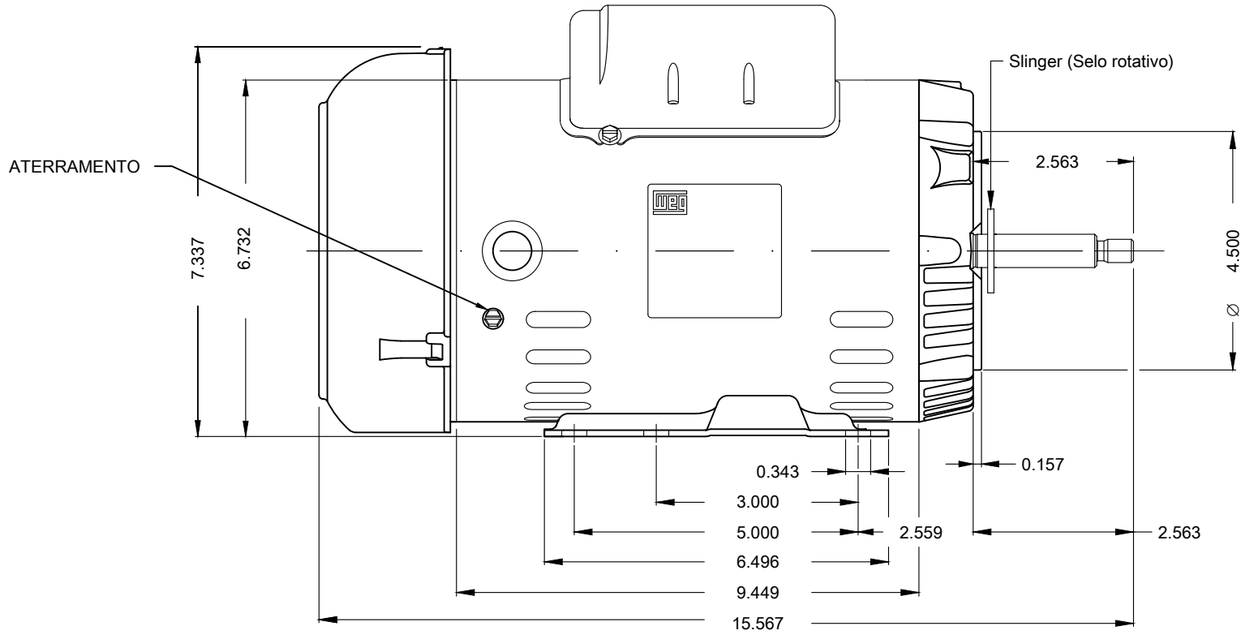
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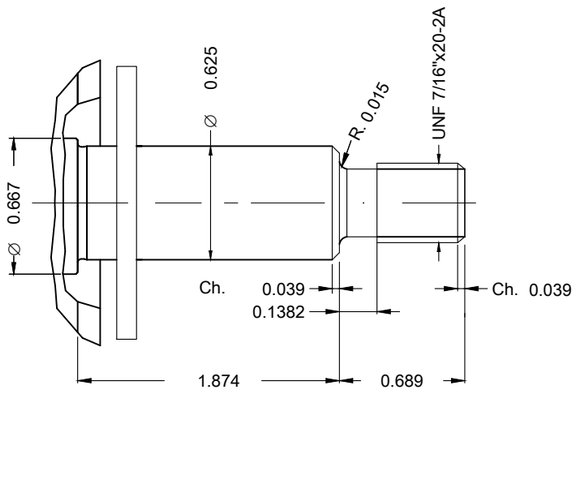
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5 HP 02 Polos 60 Hz

A

Forma construtiva B34D

V.J. PAMENSKY CANADA INC.

ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER
500002965143		Alterado conforme ECM	HUGOGAIGHER	OLIVEIRAJ	OLIVEIRAJ	10.07.2025	05
500002962388		ALT CONFORME 422737135	GABRIELLYCP	WRAFAEL	SARANATALY	08.07.2025	04

EXECUTOR	DEISEM	MOTOR MONO. ROLLED STEEL JET PUMP FORMA J	10012879432		
VERIFICADOR	WRAFAEL	CARCAÇA 56HJ IP21 ODPFC	000	05	
LIBERADOR	MGODOI				
DATA LB.	13.12.2024	WLI LINHARES [Desenv e Aplicacao de Produtos]	FOLHA	1 / 1	

LIBERADO SISTEMA Dimensões em polegada CÓPIA SEM CONTROLE

ZME A3

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