DATA SHEET
Single Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEFC Farm Duty - Standard Efficiency Product code : 19552456

Frame	: 143/5TC	Locked rotor time	: 8 s (hot) 14 s (cold)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 115/230 V	Altitude	: 3280 ft
Rated current	: 13.6/6.80 A	Protection degree	: IP55
L. R. Amperes	: 91.1/45.6 A	Cooling method	: IC411 - TEFC
LRC	: 6.7	Mounting	: F-1/B34R(D)
No load current	: 9.60/4.80 A	Rotation[1]	: Both
Rated speed	: 1745 rpm	Noise level[2]	: -
Slip	: 3.06 %	Vibration class	: A
Rated torque	: 2.97 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 280 %	Approx. weight[3]	: 33.1 lb
Pull up torque	: 235 %	Painting plan	: 207N
Breakdown torque	: 270 %	Color	: RAL 3003
Insulation class	: F	Design	: L
Service factor	: 1.15		
Moment of inertia (J)	: 0.1044 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	62.0	68.0	71.0
Power Factor	0.48	0.60	0.68

	Load type	: -
	Load torque	: -
	Load inertia (J=GD²/4)	: -

	Drive end	Non drive end
Bearing type #1	6205-2RS	6203-2RS
Lubrication interval	-	-
Lubricant amount #1	-	-
Lubricant type	MOBIL POLYREX EM	

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	janinnes		1909206766	
Checked by	AUTOMATICO		Page	Rev.
Date	05/10/2026		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		

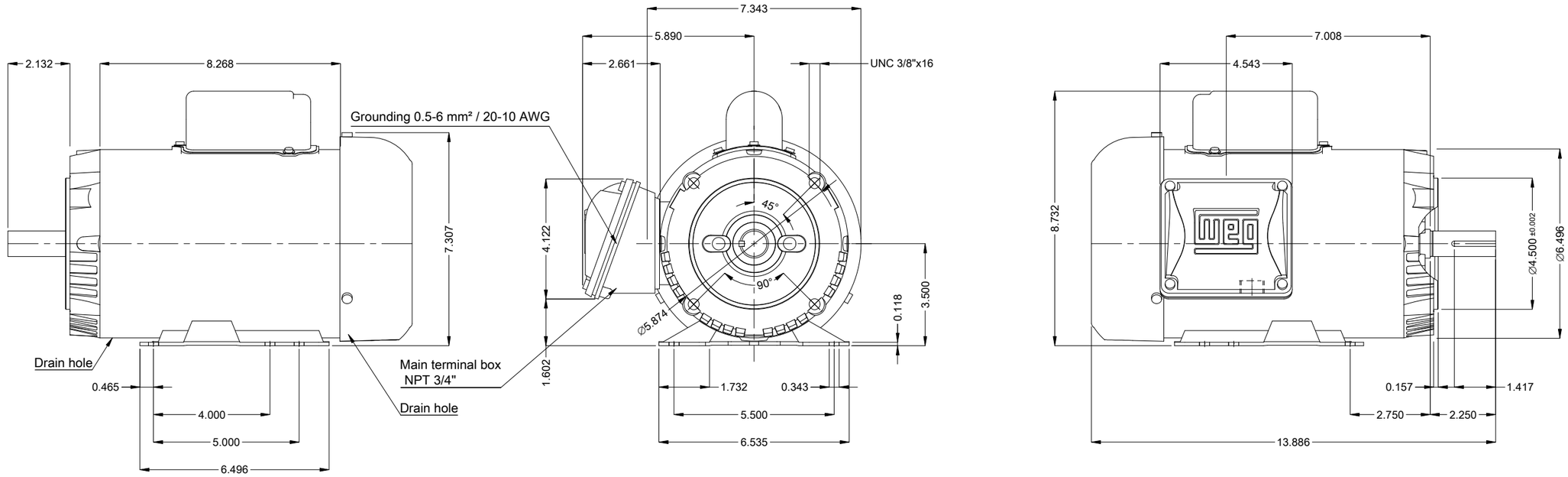
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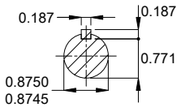
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DE Shaft End



Reinforce the foot with 2 mig welding spots
Fan cover - steel plate
Mounting MARKET F-1/B34R(D)
Mounting B34D

1 HP 04 Poles 60 Hz

A

Scale 1 : 4

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SINGLE PH. MOTOR ROLLED STEEL FARM DUTY
FRAME 143/5TC IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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