DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEFC - Nema Premium Efficiency JM Derating
Product code	: 13221573

Frame	: 254/6JM	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1/B34R(D)
Duty cycle	: S1	Rotation¹	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight³	: 227 lb
Protection degree	: IP55	Moment of inertia (J)	: 2.15 sq.ft.lb
Design	: B		

Output		15 HP (11 kW)	10 HP (7.5 kW)	10 HP (7.5 kW)
Poles		4	4	4
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		230/460 V	190/380 V	220/415 V
Rated current		36.4/18.2 A	30.8/15.4 A	28.3/15.0 A
L. R. Amperes		237/118 A	228/114 A	238/126 A
LRC		6.5	7.4	8.4
No load current		17.3/8.65 A	16.1/8.05 A	17.3/9.19 A
Rated speed		1770 rpm	1480 rpm	1485 rpm
Slip		1.67 %	1.33 %	1.00 %
Rated torque		43.9 ft.lb	35.0 ft.lb	34.9 ft.lb
Locked rotor torque		250 %	260 %	310 %
Pull up torque		210 %	220 %	260 %
Breakdown torque		300 %	350 %	420 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level²		68.0 dB(A)	65.0 dB(A)	65.0 dB(A)
Locked rotor time (hot)		19 s	25 s	20 s
Locked rotor time (cold)		34 s	45 s	36 s
Efficiency (%)	50%	91.0	91.6	90.6
	75%	92.4	92.6	92.2
	100%	92.4	92.4	92.5
Power Factor	50%	0.64	0.60	0.53
	75%	0.76	0.73	0.66
	100%	0.82	0.80	0.75
Losses at normative operating points (speed;torque), in percentage of rated output power				
Losses (%)	P1(0,9;1,0)	9.5	9.3	9.3
	P2(0,5;1,0)	8.4	8.3	8.3
	P3(0,25;1,0)	8.1	7.9	8.0
	P4(0,9;0,5)	4.5	4.3	4.4
	P5(0,5;0,5)	3.3	3.2	3.2
	P6(0,5;0,25)	2.1	2.1	2.1
	P7(0,25;0,25)	1.6	1.6	1.6

	Drive end	Non drive end
Bearing type	6309-Z-C3	6208-Z-C3
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	8 g
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.

Rev.	Changes Summary	Rev.	Checked	Date

Performed by	farazq		1865184498
Checked by	AUTOMATICO	Page	Rev.
Date	24/06/2026	1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature

Notes
USABLE @208V 40.2A SF 1.15 SFA 46.3A

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

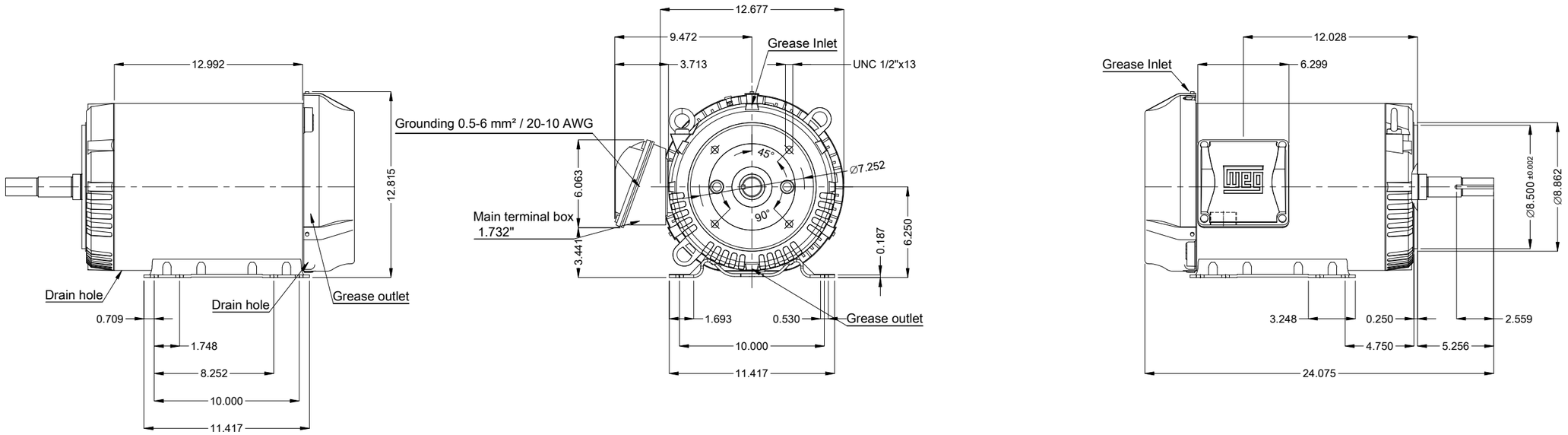
This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.

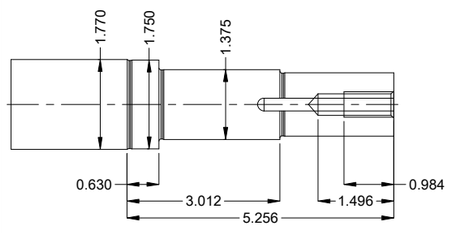
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

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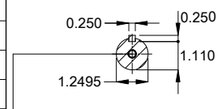
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DE Shaft End



EUNC 1/2"-13 WEG WPR-7309

Internal AEGIS ground ring on the DE
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B34R(D)
Mounting B34D

15 HP 04 Poles 60 Hz

A

Scale 1 : 8

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF.
FRAME 254/6JM IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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