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	: 12969542

Frame	: 213/5JM	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	: 131 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.8899 sq.ft.lb
Design	: B		

Output		7.5 HP (5.5 kW)	5.5 HP (4 kW)	5.5 HP (4 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		17.9/8.96 A	16.7/8.37 A	15.1/7.98 A
L. R. Amperes		129/64.5 A	134/67.0 A	138/73.4 A
LRC		7.2	8.0	9.2
No load current		8.20/4.10 A	8.20/4.10 A	8.87/4.70 A
Rated speed		1770 rpm	1475 rpm	1480 rpm
Slip		1.67 %	1.67 %	1.33 %
Rated torque		21.9 ft.lb	19.3 ft.lb	19.2 ft.lb
Locked rotor torque		230 %	230 %	260 %
Pull up torque		230 %	170 %	215 %
Breakdown torque		300 %	330 %	370 %
Service factor		1.15	1.00	1.00
Temperature rise		80 K	80 K	80 K
Noise level²		60.0 dB(A)	57.0 dB(A)	57.0 dB(A)
Locked rotor time (hot)		18 s	16 s	14 s
Locked rotor time (cold)		32 s	29 s	25 s
Efficiency (%)	50%	90.2	89.5	88.9
	75%	91.0	90.0	90.1
	100%	91.7	88.6	89.4
Power Factor	50%	0.68	0.64	0.56
	75%	0.78	0.76	0.68
	100%	0.84	0.82	0.78

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1(0,9;1,0)	8.8	12.4	11.5
	P2(0,5;1,0)	7.4	10.5	9.7
	P3(0,25;1,0)	6.9	9.8	9.0
	P4(0,9;0,5)	4.5	6.4	5.9
	P5(0,5;0,5)	3.1	4.4	4.1
	P6(0,5;0,25)	2.1	3.1	2.8
	P7(0,25;0,25)	1.6	2.2	2.0

	Drive end	Non drive end
Bearing type	6209-ZZ	6206-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.

Rev.	Changes Summary	Rev.	Checked	Date

Performed by	farazq		1865161014	
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 20.1A SF 1.15 SFA 23.1A

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

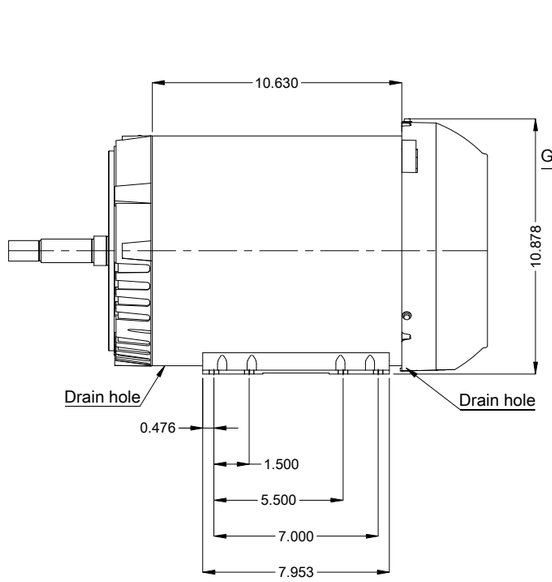
This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.

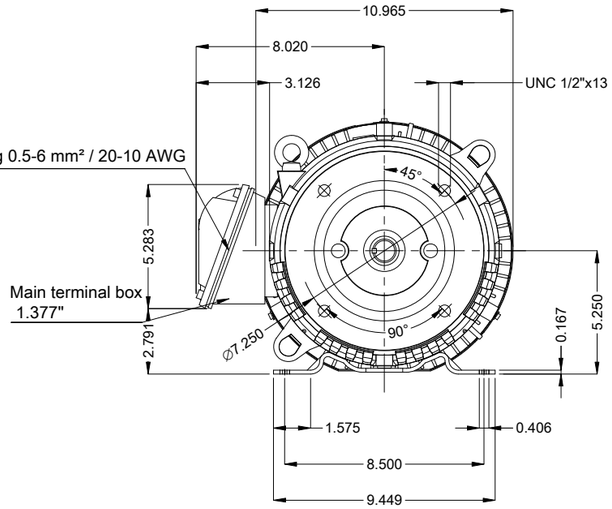
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

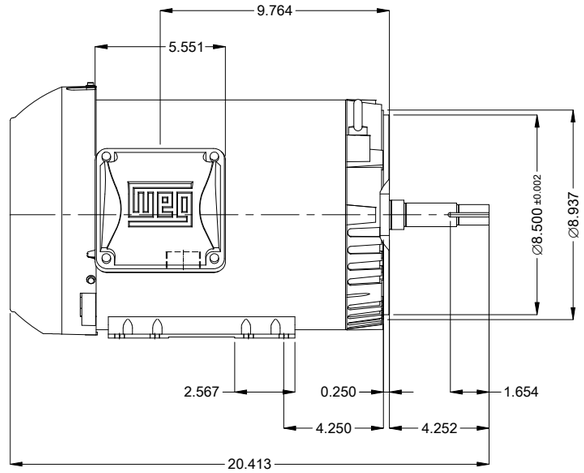
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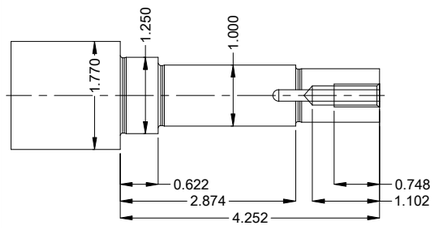
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Date	24/06/2026		2 / 2	0

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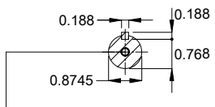








DE Shaft End



EUNC 3/8"-16 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

7.5 HP 04 Poles 60 Hz | A

Scale 2 : 13

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 213/5JM IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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