

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Premium Efficiency (DOE)

Frame	: 56	Locked rotor time	: 40 s (hot) 72 s (cold)
Output	: 0.25 HP (0.18 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 3280 ft
Rated current	: 0.405 A	Protection degree	: IP55
L. R. Amperes	: 1.90 A	Cooling method	: IC411 - TEFC
LRC	: 4.7	Mounting	: F-1/B3R(D)
No load current	: 0.346 A	Rotation ¹	: Both
Rated speed	: 1160 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 3.33 %	Vibration class	: A
Rated torque	: 1.11 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 190 %	Approx. weight ³	: 22.5 lb
Pull up torque	: 160 %	Color	: PRIMER ONLY
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0712 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	62.0	68.0	72.0	Load torque	: -
Power Factor	0.42	0.53	0.62	Load inertia (J=GD ² /4)	: -
Bearing type	Drive end 6203-ZZ	Non drive end 6202-ZZ		Foundation loads	
Lubrication interval	-	-		Max. traction	: 97 N
Lubricant amount	-	-		Max. compression	: 196 N
Lubricant type	MOBIL POLYREX EM				

Notes

See notes on page 2.

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

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
41.2	36.0	38.8	32.7	23.4	21.5	16.5

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				1856307316
Checked by	AUTOMATICO				Page Rev.
Date	03/06/2026				1 / 2 0

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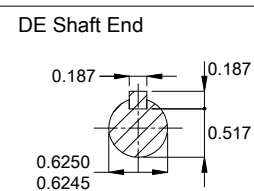
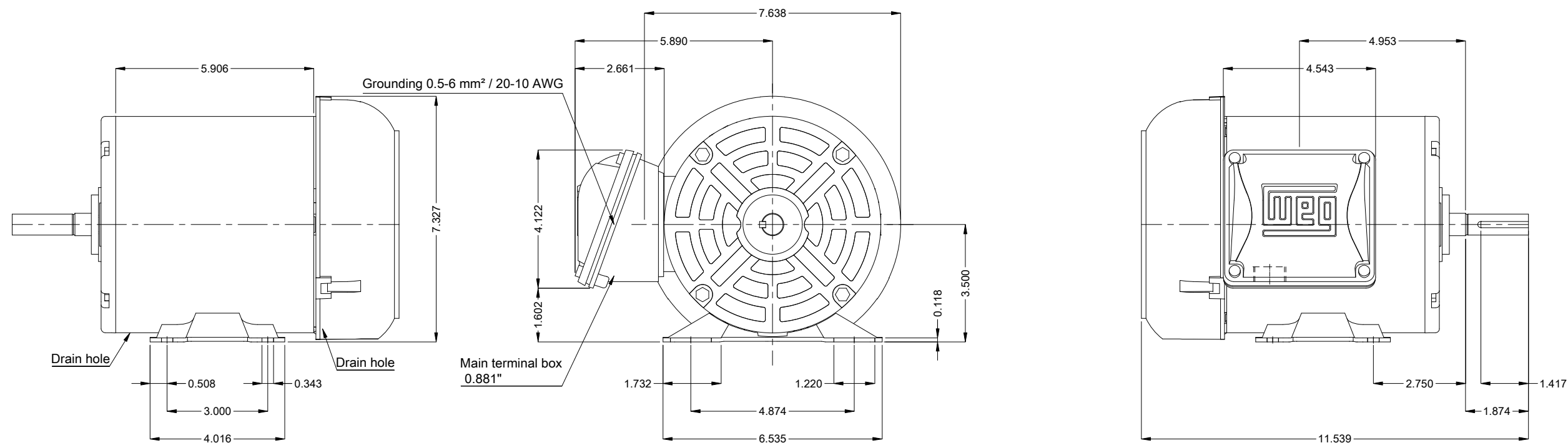
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Product line : W01 - TEFC - Premium Efficiency (DOE)

Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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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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0.25 HP 06 Poles 60 Hz										A
V.J. PAMENSKY CANADA INC.										
						Scale		2 : 7		
						PIRWBUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER		THREE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME 56 IP55 TEFC				PREVIEW WDD 00			
CHECKED										
RELEASED										
REL. DATE										
						SHEET		1 / 1		