

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Nema Premium Efficiency Product code : 17400323

Frame	: 254/6TC	Locked rotor time	: 12 s (hot) 22 s (cold)
Output	: 20 HP (15 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 3280 ft
Rated current	: 18.2 A	Protection degree	: IP55
L. R. Amperes	: 120 A	Cooling method	: IC411 - TEFC
LRC	: 6.6	Mounting	: F-1/B34R(D)
No load current	: 5.50 A	Rotation ¹	: Both
Rated speed	: 3515 rpm	Noise level ²	: 75.0 dB(A)
Slip	: 2.36 %	Vibration class	: A
Rated torque	: 29.4 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 200 %	Approx. weight ³	: 211 lb
Pull up torque	: 150 %	Painting plan	: 207N
Breakdown torque	: 290 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: B
Service factor	: 1.15		
Moment of inertia (J)	: 1.22 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	90.0	91.0	91.0	Load torque	: -
Power Factor	0.81	0.88	0.91	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads
Bearing type #1	6309-Z-C3	6208-Z-C3	Max. traction
Bearing type #2	-	-	Max. compression
Lubrication interval	15797 h	20000 h	
Lubricant amount #1	13 g	8 g	
Lubricant amount #2	-	-	
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)
8.8	7.3	6.7	4.5	2.9	1.9	1.3

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			1860715118	
Checked by	AUTOMATICO			Page	Rev.
Date	15/06/2026			1 / 2	0

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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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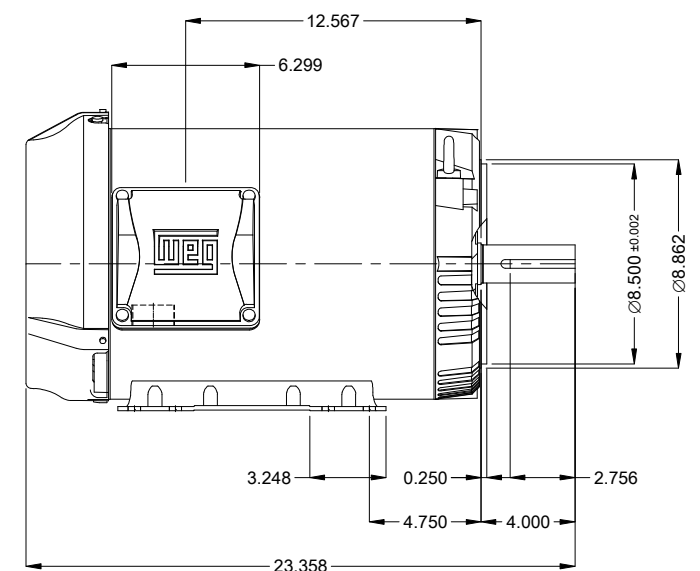
(1) Looking the motor from the shaft end.

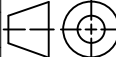
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20 HP 02 Poles 60 Hz										A
						Scale				1 : 8
						HYBRISUSER				00
ECM		LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF. FRAME 254/6TC IP55 TEFC			PREVIEW				
CHECKED										
RELEASED										
REL. DATE										
						SHEET		1 / 1		

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