

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 19225689

Frame	: 184HP	Locked rotor time	: 20 s (hot) 36 s (cold)
Output	: 5 HP (3.7 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	: 4.72 A	Protection degree	: IP55
L. R. Amperes	: 35.9 A	Cooling method	: IC411 - TEFC
LRC	: 7.6	Mounting	: W-6
No load current	: 1.40 A	Rotation ¹	: Both
Rated speed	: 3475 rpm	Noise level ²	: 66.0 dB(A)
Slip	: 3.47 %	Vibration class	: A
Rated torque	: 7.52 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 200.0 %	Coupling	: Direct
Pull up torque	: 170.0 %	Approx. weight ³	: 95.5 lb
Breakdown torque	: 290.0 %	Painting plan	: 207A
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.25	Design	: B
Moment of inertia (J)	: 0.1614 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	87.3	88.5	88.5
Power Factor	0.79	0.86	0.89

Load type	: -
Load torque	: -
Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type #1	6308-ZZ	6206-ZZ
Bearing type #2	-	-
Lubrication interval	-	-
Lubricant amount #1	-	-
Lubricant amount #2	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	:
Max. compression	:

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)
12.4	10.0	9.2	6.0	3.6	2.2	1.4

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				1871047529	
Checked by	AUTOMATICO				Page	Rev.
Date	08/07/2026				1 / 2	0

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Notes

Customer information

CSA

Class I, Div 2, Gr A, B, C, D, 1.15SF - T3

Class I, Zone 2, IIC, 1.15SF - T3

Class II, Div 2, Gr F, G - T5

For use on PWM: Gr. A, B, C, D, F, G,

VT 1000:1, CT 20:1, 1.00SF - T4A

Standards

Specification : MG1 - Part 10

Test : MG1 - Part 12

Noise : MG1 - Part 9

Vibration : MG1 - Part 7

Tolerance : MG1 - Part 12

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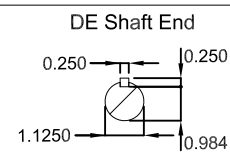
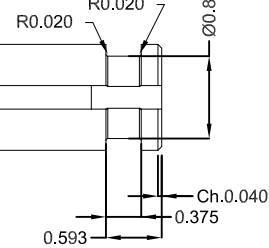
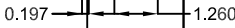
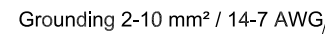
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Color RAL 5009
Painting plan 207A
Mounting NEMA W-6
Mounting V1

5 HP 02 Poles 60 Hz										A
						HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR W22 P. BASE NEMA PREM. EFF. FRAME 184HP IP55 TEFC				PREVIEW WDD 00			
CHECKED										
RELEASED										
REL. DATE										
						SHEET		/		