

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W22 - Nema Super Premium

Frame	: 284/6TC	Locked rotor time	: 20 s (hot) 36 s (cold)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 230/460 V	Altitude	: 3280 ft
Rated current	: 60.7/30.3 A	Protection degree	: IP55
L. R. Amperes	: 503/252 A	Cooling method	: IC411 - TEFC
LRC	: 8.3	Mounting	: F-1
No load current	: 28.0/14.0 A	Rotation ¹	: Both
Rated speed	: 1781 rpm	Noise level ²	: 63.0 dB(A)
Slip	: 1.06 %	Vibration class	: A
Rated torque	: 73.1 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 330 %	Coupling	: Direct
Pull up torque	: 280 %	Approx. weight ³	: 446 lb
Breakdown torque	: 380 %	Painting plan	: 203A
Insulation class	: F	Color	: RAL 6002
Service factor	: 1.25	Design	: A
Moment of inertia (J)	: 4.95 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	93.0	94.1	94.5
Power Factor	0.62	0.74	0.81

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

	Drive end	Non drive end
Bearing type #1	6311-C3	6211-C3
Bearing type #2	-	-
Lubrication interval	20000 h	20000 h
Lubricant amount #1	18 g	11 g
Lubricant amount #2	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: 4379 N
Max. compression	: 6364 N

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)
5.6	4.4	4.0	3.2	2.0	1.5	1.0

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				1870651536	
Checked by	AUTOMATICO				Page	Rev.
Date	07/07/2026				1 / 2	0

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Notes
USABLE @208V 67.1A SF 1.15 SFA 77.1A

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 - T4
For use on PWM: Gr. A, B, C, D, F,
VT 1000:1, CT 20:1, 1.00SF - T3A

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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