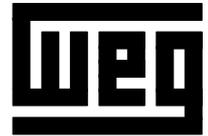


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : V.J. PAMENSKY CANADA INC.

Product line : W22 - Nema Premium Efficiency (Centro 3100)

Frame	: 213/5TCZ	Locked rotor time	: 26 s (hot) 46 s (cold)
Output	: 7.5 HP (5.5 kW)	Temperature rise ⁴	: 105 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l
Rated current	: 7.34 A	Degree of protection	: IP55
L. R. Amperes	: 52.8 A	Cooling method	: IC410 - TENV
LRC (p.u.)	: 7.2 Code H	Mounting	: F-1
No load current	: 3.23 A	Direct of rotation ¹	: Both
Rated speed	: 1762 rpm	Starting method	: VFD
Slip	: 2.11 %	Approx. weight ³	: 70.0 kg
Rated torque	: 3.09 kgfm	Design	: B
Locked rotor torque	: 220 %		
Pull up torque	: 185 %		
Breakdown torque	: 280 %		
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0566 kgm ²		

Output	Start	50%	75%	100%	Load type	: Parabolic torque
Efficiency (%)	-	89.5	91.0	91.7	Load torque	: 3.04 kgfm
Power factor	0.51	0.66	0.76	0.82	Load inertia (J=GD ² /4)	: 0.0566 kgm ²

Operation limits with inverter
 6 Hz up to 60 Hz (Variable torque): 3.04 kgfm
 Maximum peak voltage phase-to-phase <= 2400 V
 dV/dt <= 7800 V/μs
 Rise time >= 0,1 μs

Bearing type	Drive end	Non drive end	Foundation loads	
Lubrication interval	6308-ZZ	6207-ZZ	Maximum traction	: 123 kgf
Lubricant amount	-	-	Maximum compression	: 193 kgf
Lubricant type	MOBIL POLYREX EM			

Notes:

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)
8.7	7.0	6.5	4.9	3.3	2.4	1.6

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

This revision replaces and cancels the previous one, which must be eliminated.
 (1) When viewed from the drive end.
 (2) Measured at 1m and with tolerance of +3dB(A).
 (3) Approximate weight subject to changes after manufacturing process.
 (4) At the rated point.

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

Rev.	Summary of changes	Performed	Checked	Date
Performed by	ialejandra			865230/2024
Checked by	barrios			Page Revision
Date	20/12/2024			1/2 0

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Three Phase Induction Motor - Squirrel Cage

Customer : V.J. PAMENSKY CANADA INC.

Product line : W22 - Nema Premium Efficiency (Centro 3100)

Rev.	Summary of changes	Performed	Checked	Date
Performed by	ialejandra			865230/2024
Checked by	barrios			Page Revision
Date	20/12/2024			2/2 0

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