

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code : 14722913
Frame	:	404/5TC		
Output	:	125 HP		
Poles	:	4		
Frequency	:	60 Hz		
Rated voltage	:	575 V		
Rated current	:	110 A		
L. R. Amperes	:	762 A		
LRC	:	6.9x(Code G)		
No load current	:	37.6 A		
Rated speed	:	1780 rpm		
Slip	:	1.11 %		
Rated torque	:	51.0 kgfm		
Locked rotor torque	:	270 %		
Breakdown torque	:	260 %		
Insulation class	:	F		
Service factor	:	1.15		
Moment of inertia (J)	:	1.08 kgm ²		
Design	:	B		
Locked rotor time	:	18s (cold) 10s (hot)		
Temperature rise	:	80 K		
Duty cycle	:	Cont.(S1)		
Ambient temperature	:	-20°C to +40°C		
Altitude	:	1000 m.a.s.l.		
Protection degree	:	IP23		
Cooling method	:	IC01 - ODP		
Mounting	:	F-1		
Rotation ¹	:	Both (CW and CCW)		
Noise level ²	:	69.0 dB(A)		
Starting method	:	Direct On Line		
Approx. weight ³	:	491 kg		
Output	50%	75%	100%	Foundation loads
Efficiency (%)	95.0	95.4	95.4	Max. traction : 1058 kgf
Power Factor	0.75	0.83	0.86	Max. compression : 1549 kgf

		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6316 C3		6212 Z C3	
Sealing	:	Without Bearing Seal		Without Bearing Seal	
Lubrication interval	:	20000 h		20000 h	
Lubricant amount	:	34 g		13 g	
Lubricant type	:	Mobil Polyrex EM			

Notes

<p>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 changes after manufacturing process. (4) At 100% of full load.</p>	<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>
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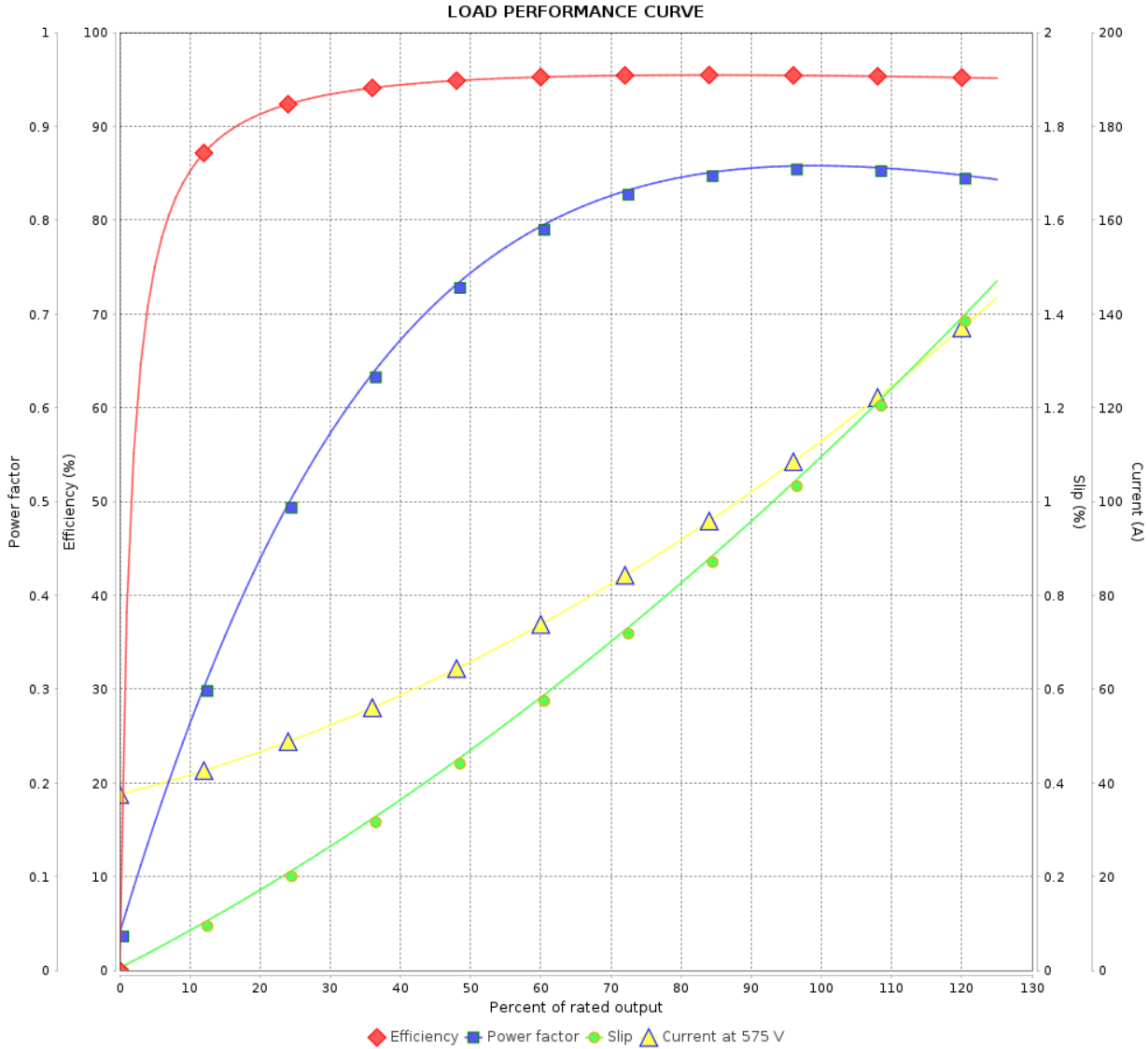
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 14722913



Performance : 575 V 60 Hz 4P

Rated current	: 110 A	Moment of inertia (J)	: 1.08 kgm ²
LRC	: 6.9	Duty cycle	: Cont.(S1)
Rated torque	: 51.0 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1780 rpm	Design	: B

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