DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Standard Efficiency Three-Phase	Product code :	13960951

Frame	: W56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 6.8 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0012 kgm²

Output [HP]		0.25
Poles		4
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		0.402
L. R. Amperes [A]		2.13
LRC [A]		5.3x(Code K)
No load current [A]		0.332
Rated speed [RPM]		1735
Slip [%]		3.61
Rated torque [kgfm]		0.105
Locked rotor torque [%]		240
Breakdown torque [%]		290
Service factor		1.15
Temperature rise		80 K
Locked rotor time		54s (cold) 30s (hot)
Noise level²		50.0 dB(A)
Efficiency (%)	25%	
	50%	55.0
	75%	62.0
	100%	66.0
Power Factor	25%	
	50%	0.48
	75%	0.59
	100%	0.68

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 6 kgf

Max. compression : 13 kgf

Notes

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.

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

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LOAD PERFORMANCE CURVE

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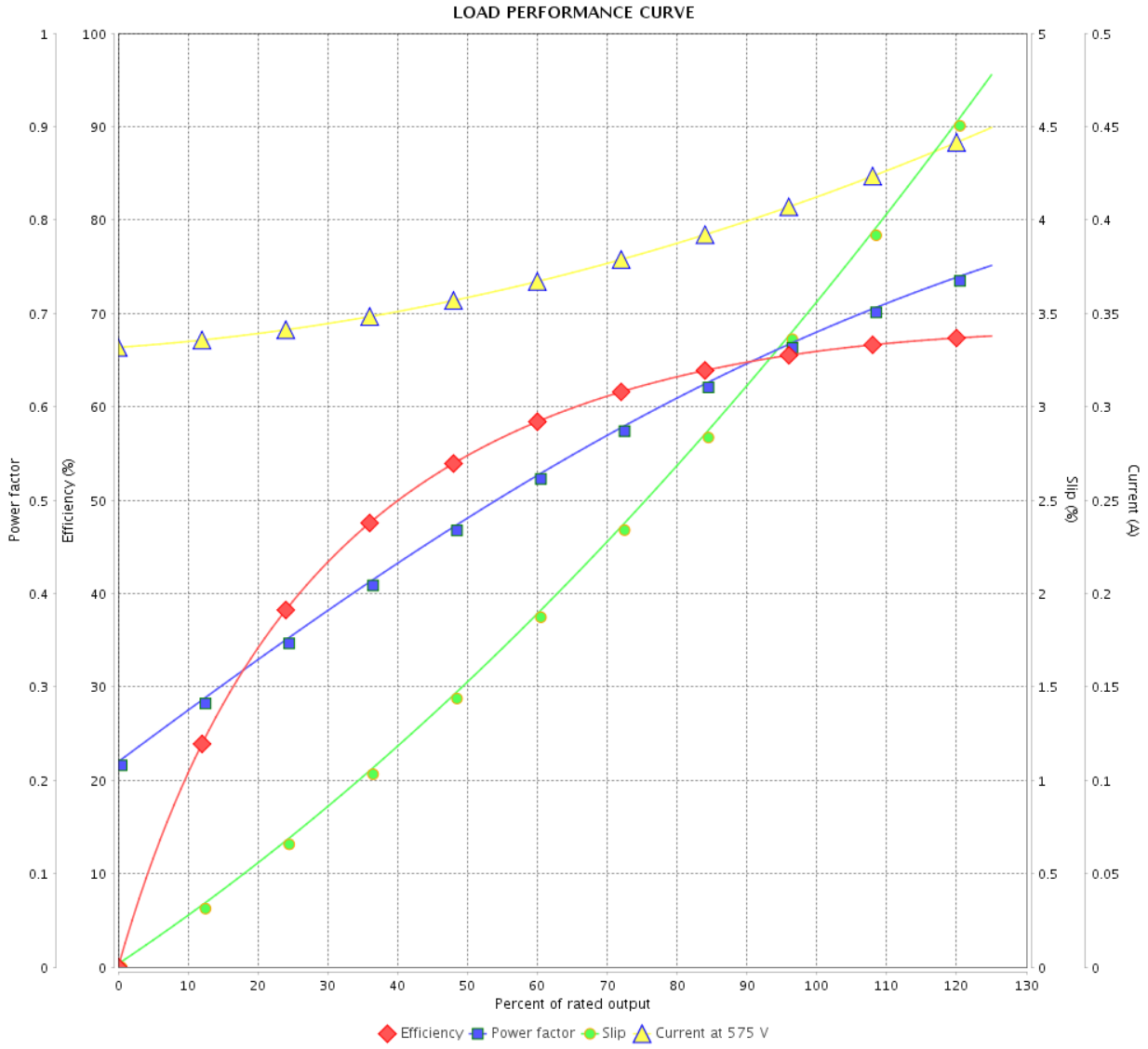

Performance	: 575 V 60 Hz 4P		
Rated current	: 0.402 A	Moment of inertia (J)	: 0.0012 kgm²
LRC	: 5.3	Duty cycle	: Cont.(S1)
Rated torque	: 0.105 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 1735 rpm		

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