DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Three-Phase	Product code :	14219872

Frame	: 56C	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	: 12.4 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0036 kgm²

Output [HP]		0.75
Poles		4
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		0.952
L. R. Amperes [A]		7.33
LRC [A]		7.7x(Code L)
No load current [A]		0.658
Rated speed [RPM]		1760
Slip [%]		2.22
Rated torque [kgfm]		0.309
Locked rotor torque [%]		240
Breakdown torque [%]		360
Service factor		1.15
Temperature rise		80 K
Locked rotor time		28s (cold) 16s (hot)
Noise level²		52.0 dB(A)
Efficiency (%)	25%	
	50%	75.5
	75%	80.0
	100%	81.5
Power Factor	25%	
	50%	0.49
	75%	0.62
	100%	0.71

		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 : 29 kgf

Max. compression : 42 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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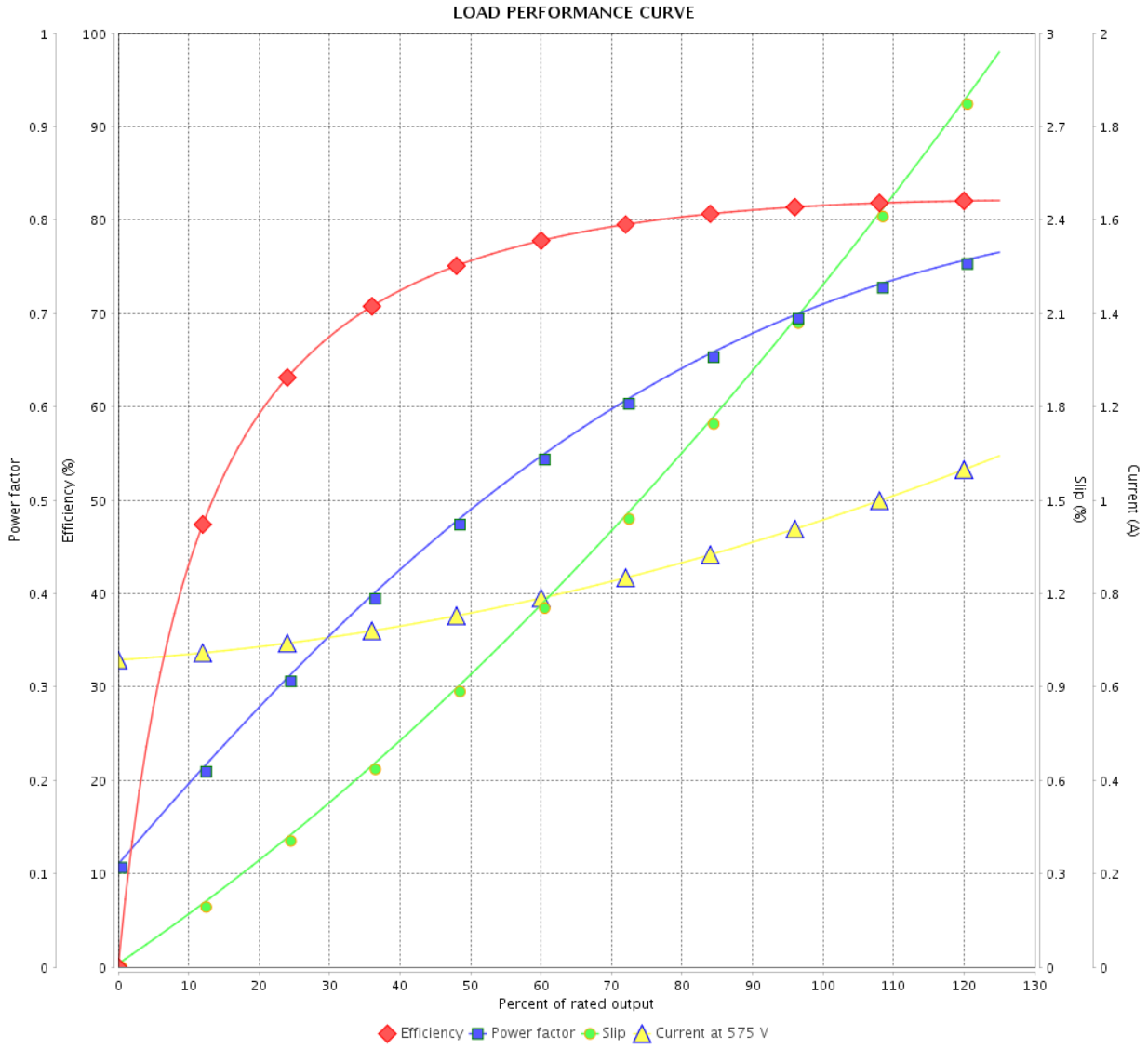

Performance	: 575 V 60 Hz 4P		
Rated current	: 0.952 A	Moment of inertia (J)	: 0.0036 kgm²
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.309 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 360 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm		

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