DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: NEMA Premium Efficiency Three-Phase	Product code :	14893734

Frame	: 182/4TC	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation[1]	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight[3]	: 33.0 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0066 kgm²
Design	: B		

Output [HP]		3
Poles		2
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		2.94
L. R. Amperes [A]		25.8
LRC [A]		8.8x(Code K)
No load current [A]		1.29
Rated speed [RPM]		3515
Slip [%]		2.36
Rated torque [kgfm]		0.619
Locked rotor torque [%]		220
Breakdown torque [%]		300
Service factor		1.15
Temperature rise		80 K
Locked rotor time		39s (cold) 22s (hot)
Noise level[2]		68.0 dB(A)
Efficiency (%)	25%	
	50%	84.0
	75%	86.5
	100%	86.5
Power Factor	25%	
	50%	0.71
	75%	0.82
	100%	0.87

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6205 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 22 kgf

Max. compression : 55 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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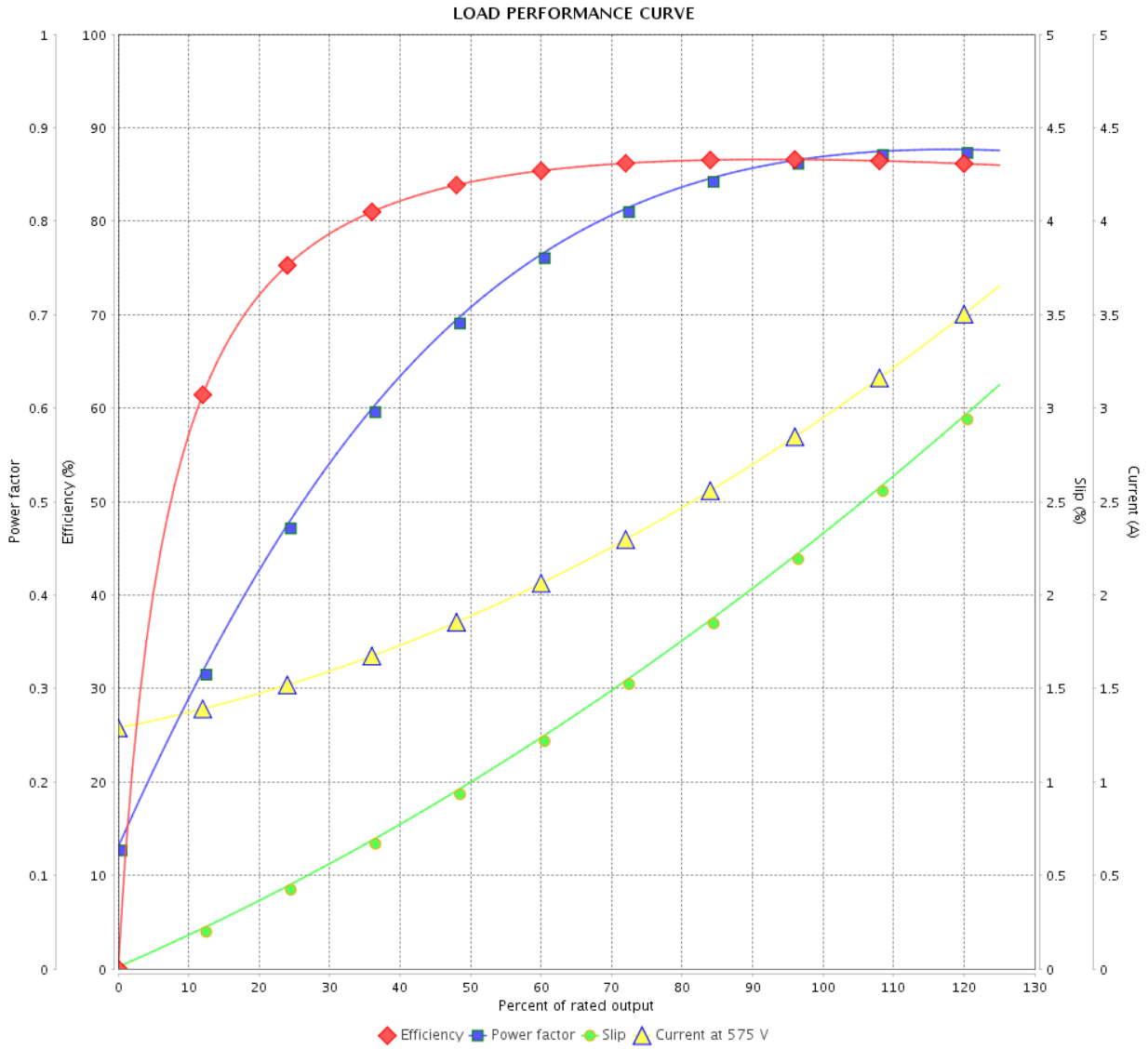

Performance	: 575 V 60 Hz 2P

Rated current	: 2.94 A	Moment of inertia (J)	: 0.0066 kgm²
LRC	: 8.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.619 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3515 rpm	Design	: B

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