DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Single-Phase	Product code :	13508282

Frame	: 56	Cooling method	: IC01 - ODP
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]	: 15.0 kg
Design	: N	Moment of inertia (J)	: 0.0023 kgm²

Output [HP]		1
Poles		2
Frequency [Hz]		60
Rated voltage [V]		115/208-230
Rated current [A]		8.60/4.75-4.30
L. R. Amperes [A]		72.2/39.9-36.1
LRC [A]		8.4x(Code K)
No load current [A]		2.60/1.12-1.30
Rated speed [RPM]		3510
Slip [%]		2.50
Rated torque [kgfm]		0.207
Locked rotor torque [%]		290
Breakdown torque [%]		300
Service factor		
Temperature rise		80 K
Locked rotor time		28s (cold) 16s (hot)
Noise level[2]		58.0 dB(A)
Efficiency (%)	25%	
	50%	69.0
	75%	76.0
	100%	80.4
Power Factor	25%	
	50%	0.89
	75%	0.93
	100%	0.94

		Drive end	Non drive end
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 12 kgf

Max. compression : 27 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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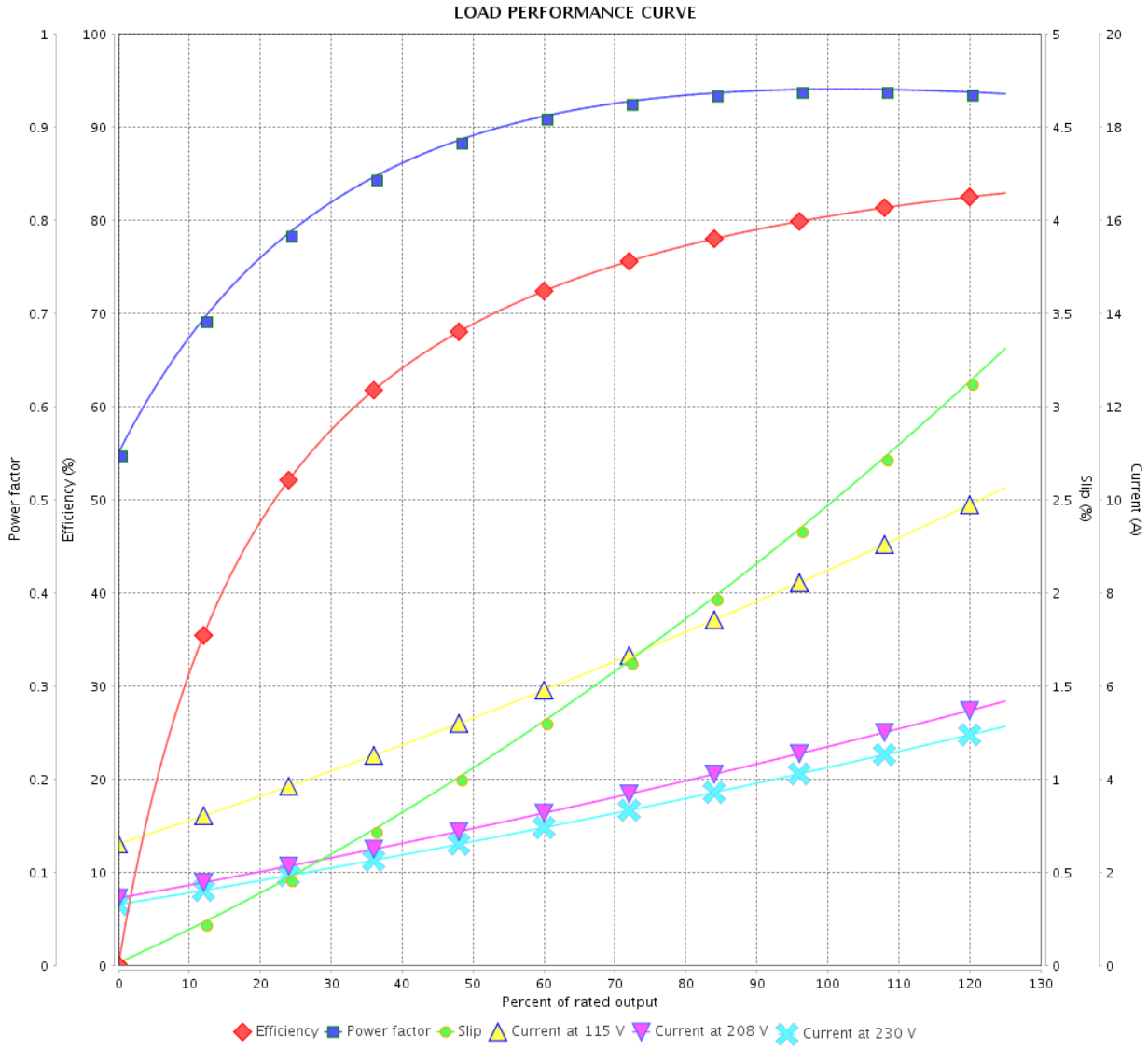

Performance	: 115/208-230 V 60 Hz 2P		
Rated current	: 8.60/4.75-4.30 A	Moment of inertia (J)	: 0.0023 kgm²
LRC	: 8.4	Duty cycle	: Cont.(S1)
Rated torque	: 0.207 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	:
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: N

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