DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Single-Phase	Product code :	13039366

Frame	: W56C	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]	: 10.5 kg
Design	: N	Moment of inertia (J)	: 0.0022 kgm²

Output [HP]		0.5
Poles		4
Frequency [Hz]		60
Rated voltage [V]		115/208-230
Rated current [A]		4.86/3.04-2.43
L. R. Amperes [A]		37.4/23.4-18.7
LRC [A]		7.7x(Code K)
No load current [A]		2.70/1.16-1.35
Rated speed [RPM]		1730
Slip [%]		3.89
Rated torque [kgfm]		0.210
Locked rotor torque [%]		300
Breakdown torque [%]		270
Service factor		
Temperature rise		80 K
Locked rotor time		27s (cold) 15s (hot)
Noise level[2]		50.0 dB(A)
Efficiency (%)	25%	
	50%	65.0
	75%	73.0
	100%	76.2
Power Factor	25%	
	50%	0.72
	75%	0.81
	100%	0.87

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 13 kgf

Max. compression : 23 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.

Rev.	Changes Summary	Performed	Checked	Date

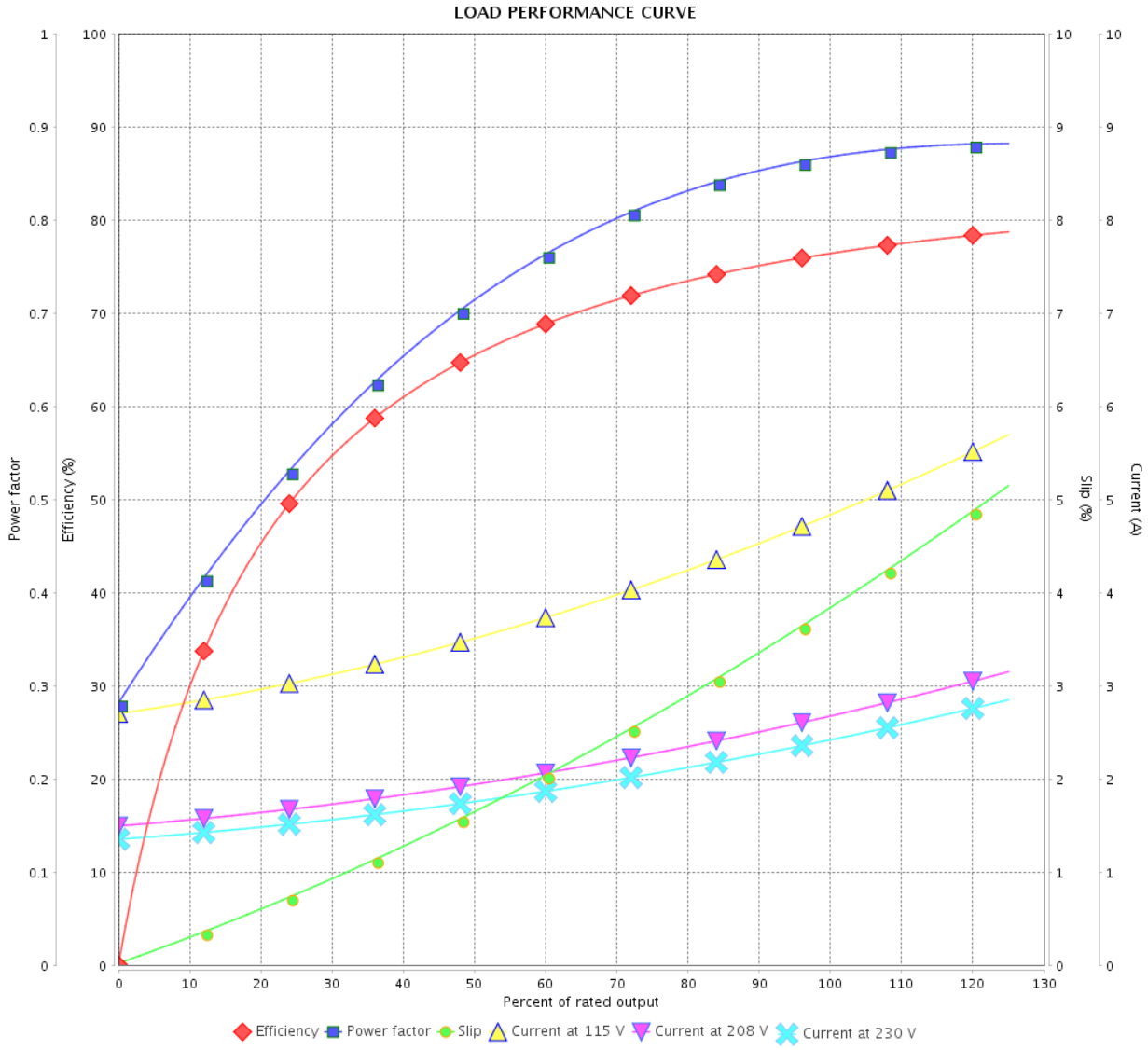
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Single-Phase	Product code :	13039366



Performance	: 115/208-230 V 60 Hz 4P		
Rated current	: 4.86/3.04-2.43 A	Moment of inertia (J)	: 0.0022 kgm²
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.210 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	:
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm	Design	: N

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