

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase Product code : 17233566

Frame	: 56	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 0.75 HP (0.55 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1.77/3.76-0.887 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 15.3/32.3-7.63 A	Mounting	: F-1
LRC	: 8.6x(Code K)	Rotation ¹	: Both (CW and CCW)
No load current	: 0.626/0.270-0.313 A	Noise level ²	: 58.0 dB(A)
Rated speed	: 3510 rpm	Vibration	: A
Slip	: 2.50 %	Starting method	: Direct On Line
Rated torque	: 0 kgfm	Approx. weight ³	: 11.5 kg
Locked rotor torque	: 300 %	Painting plan	: 207N (ISO 12944 - C2)
Breakdown torque	: 300 %	Color	: Munsell N 1 - Matte
Insulation class	: F	Design	: N
Service factor	: 1.25		
Moment of inertia (J)	: 0.0018 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	64.0	71.0	76.2	Max. traction	: 9 kgf
Power Factor	0.88	0.92	0.93	Max. compression	: 20 kgf

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

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

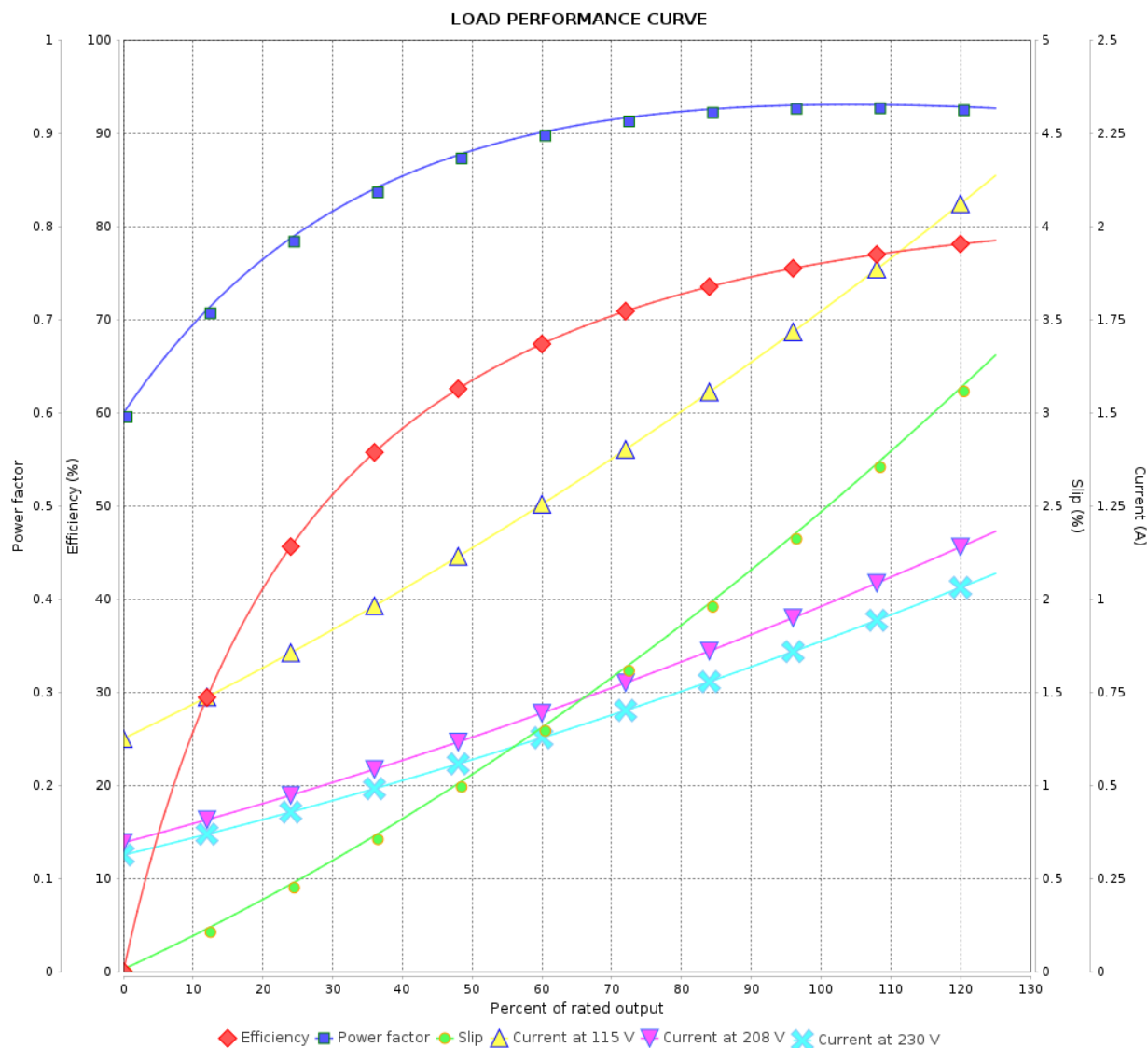
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 17233566



Performance : 115/208-230 V 60 Hz 2P

Rated current : 1.77/3.76-0.887 A
LRC : 8.6
Rated torque : 0 kgfm
Locked rotor torque : 300 %
Breakdown torque : 300 %
Rated speed : 3510 rpm

Moment of inertia (J) : 0.0018 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : N

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