

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Single-Phase Product code : 17009610

Frame	: 56Z	Locked rotor time	: 50s (cold) 28s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Frequency	: 50 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 110/220 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 8.09/4.04 A	Protection degree	: IP55
	: 6.0x(Code M)	Cooling method	: IC411 - TEFC
Rated speed	: 1450 rpm	Mounting	: F-1
Rated torque	: 0.250 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 54.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0035 kgm ²	Approx. weight ³	: 14.1 kg

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	50.0	56.0	64.0	Max. traction	: 12 kgf
Power Factor	0.00	0.47	0.57	0.65	Max. compression	: 26 kgf

	Drive end	Non drive end
Bearing type	: 6204 ZZ	: 6202 ZZ
Sealing	: V'Ring	: V'Ring
Lubrication interval	: 0 h	: 0 h
Lubricant amount	: 0 g	: 0 g
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

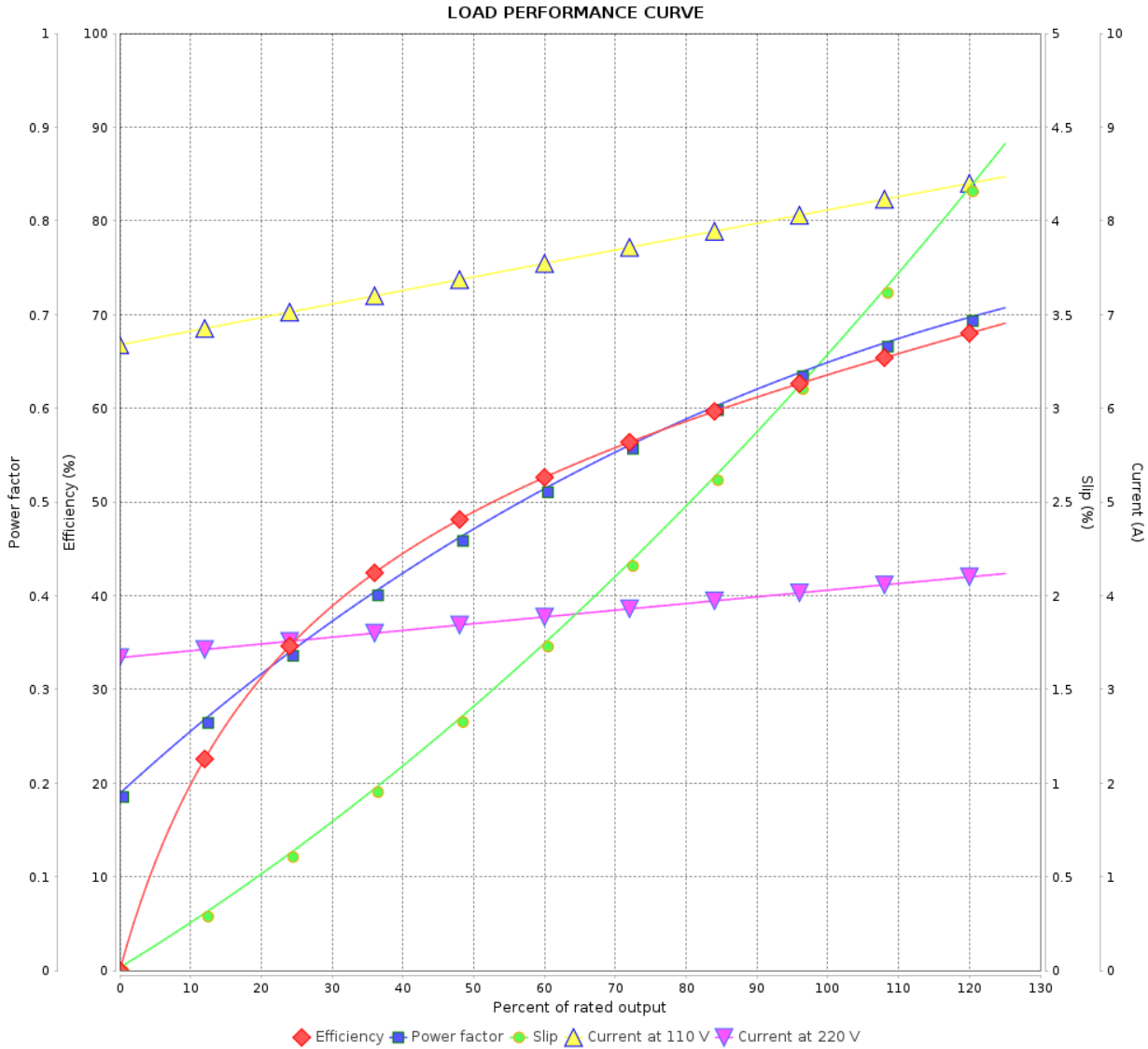
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