

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Compressor Duty Single-Phase Product code : 10021789

Frame	: G56H	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 208-230 V	Ambient temperature	: -20°C to +40°C
Poles	: 2	Altitude	: 1000 m.a.s.l.
Rated current	: 21.0-19.1 A	Protection degree	: IP21
	: 6.5x(Code G)	Cooling method	: IC01 - ODP
Rated speed	: 3455 rpm	Mounting	: F-1
Rated torque	: 1.05 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight ³	: 21.9 kg
Moment of inertia (J)	: 0.0030 kgm ²		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	83.0	85.0	85.0	Max. traction
Power Factor	0.99	0.99	0.99	Max. compression
				: 56 kgf
				: 78 kgf

	Drive end	Non drive end
Bearing type	: 6204 ZZ	: 6203 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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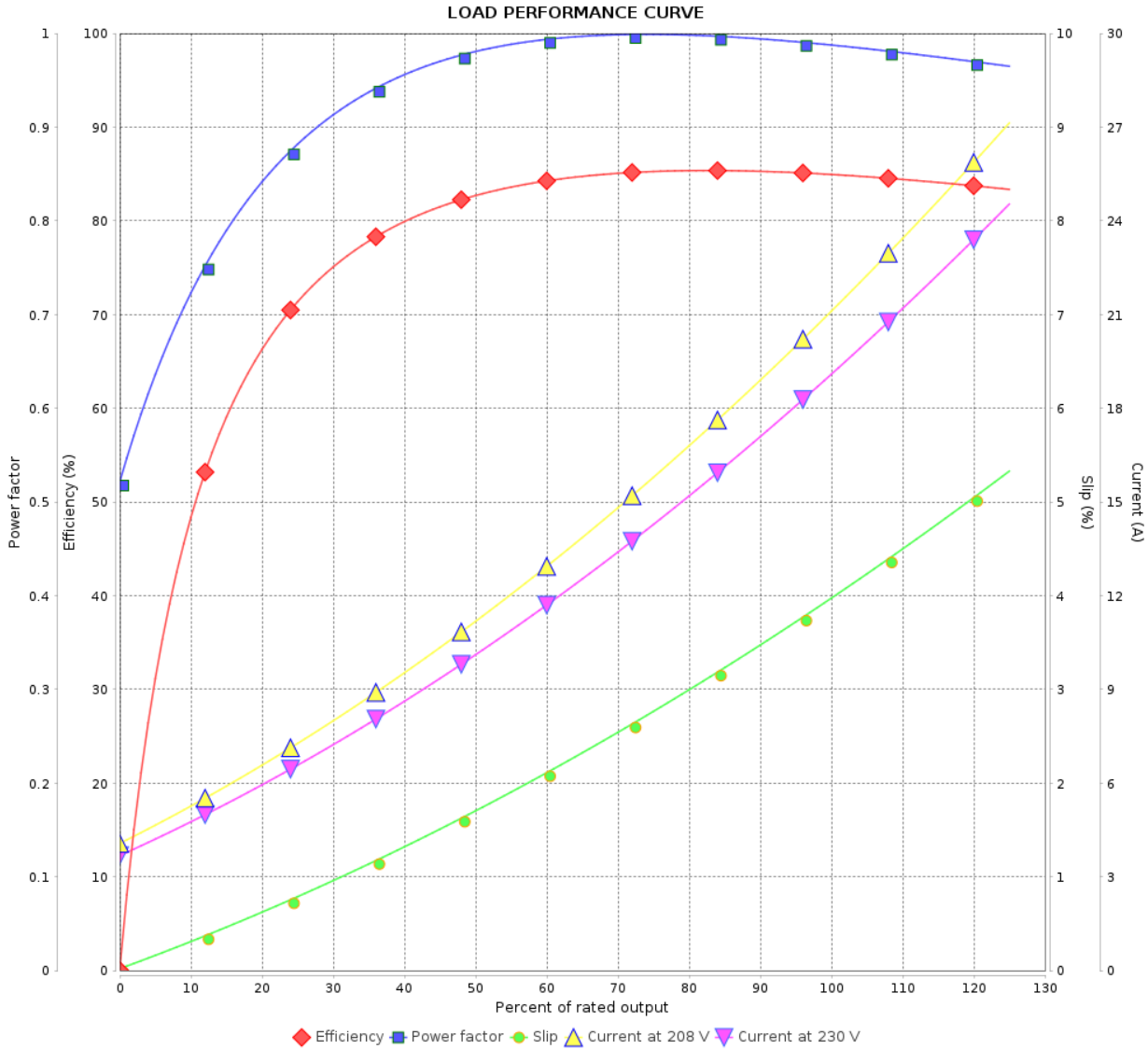
LOAD PERFORMANCE CURVE

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