

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Single-Phase Product code : 18283581

Frame	: A56EX	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.25 HP (0.18 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 115/208-230 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 4.40/2.10-2.20 A	Protection degree	: IP44
	: 6.5x(Code P)	Cooling method	: IC411 - TEFC
Rated speed	: 1760 rpm	Mounting	: F-1
Rated torque	: 0.103 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: B	Starting method	: Direct On Line
Service factor	: 1.15	Approx. weight ³	: 13.5 kg
Moment of inertia (J)	: 0.0026 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	52.0	61.0	64.0	Max. traction	: 3 kgf
Power Factor	0.40	0.49	0.56	Max. compression	: 16 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 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.

Rev.	Changes Summary	Performed	Checked	Date
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Date	15/06/2026			

LOAD PERFORMANCE CURVE

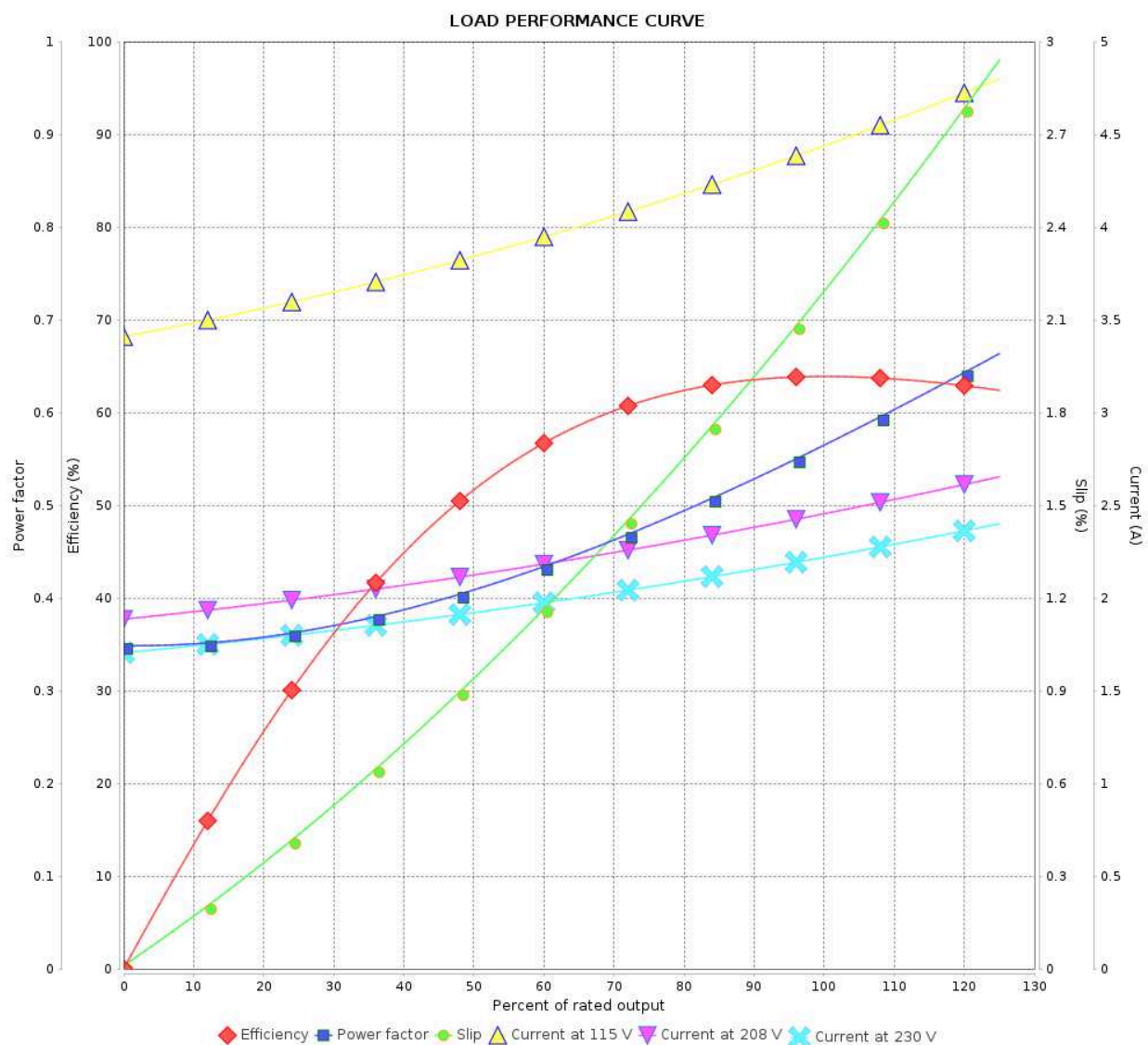
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