

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Single-Phase Product code : 18291550

Frame	: A56CEX	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	: 4.37/2.10-2.18 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	: 13.3 kg
Moment of inertia (J)	: 0.0026 kgm ²		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	52.0	61.0	64.0	Max. traction : 3 kgf
Power Factor	0.00	0.40	0.49	0.56	Max. compression : 16 kgf

	Drive end	Non drive end
Bearing type	: 6203 ZZ	: 6203 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 / 2		
Checked by				
Date	28/04/2026			

LOAD PERFORMANCE CURVE

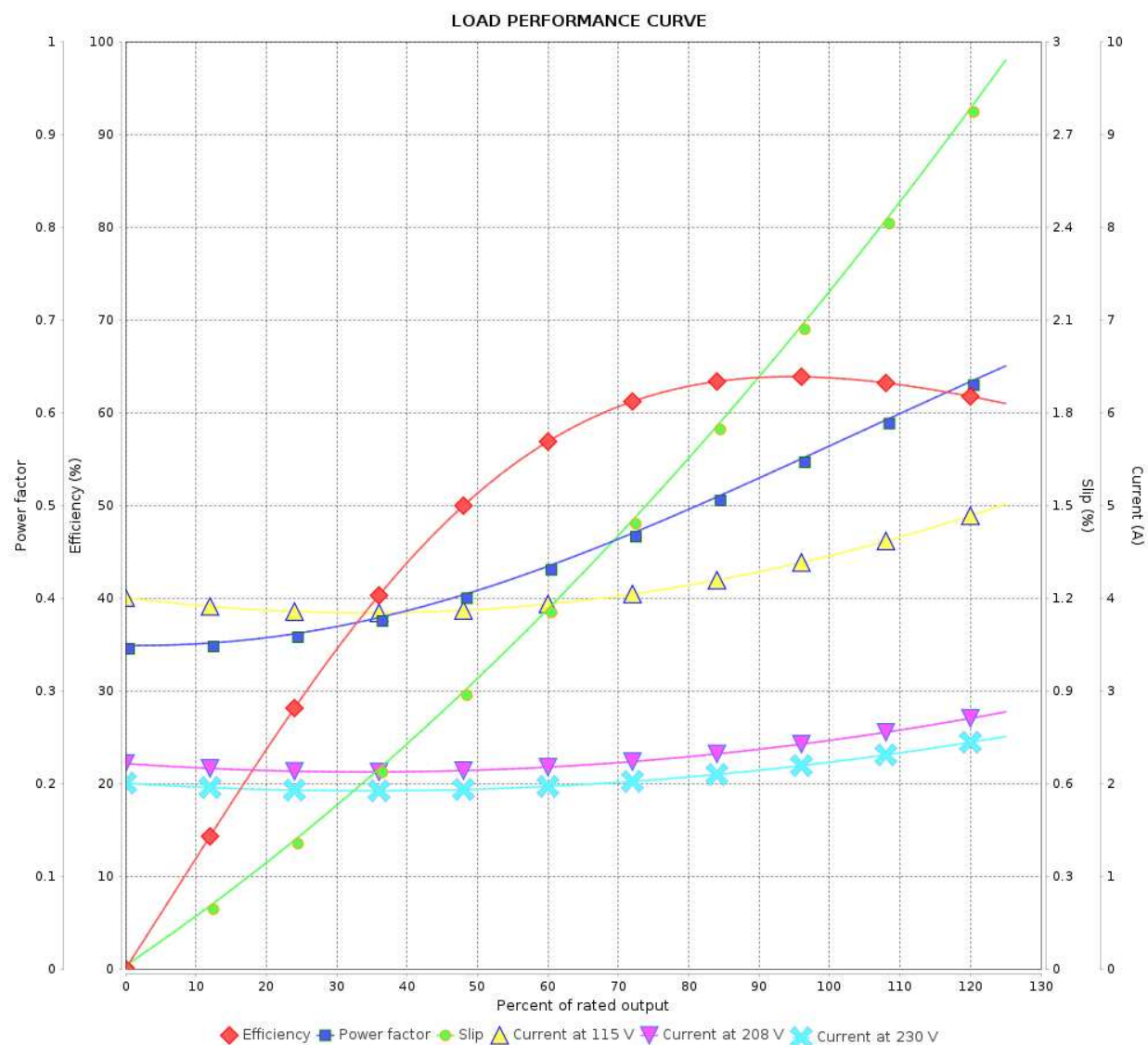
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Single-Phase

Product code : 18291550



Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date					
	28/04/2026				

