

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00022 Single-Phase Product code : 19226131

Frame	: W56C	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 115/230 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 8.00/4.00 A	Protection degree	: IP55
	: 5.7x(Code M)	Cooling method	: IC411 - TEFC
Rated speed	: 1730 rpm	Mounting	: F-1
Rated torque	: 0.210 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 52.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0020 kgm ²	Approx. weight ³	: 0.0 kg
Design	: N		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	52.0	59.0	64.0	Max. traction : 13 kgf
Power Factor	0.44	0.54	0.63	Max. compression : 22 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	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
Performed by		Page Revision 1 / 2		
Checked by				
Date	26/03/2026			

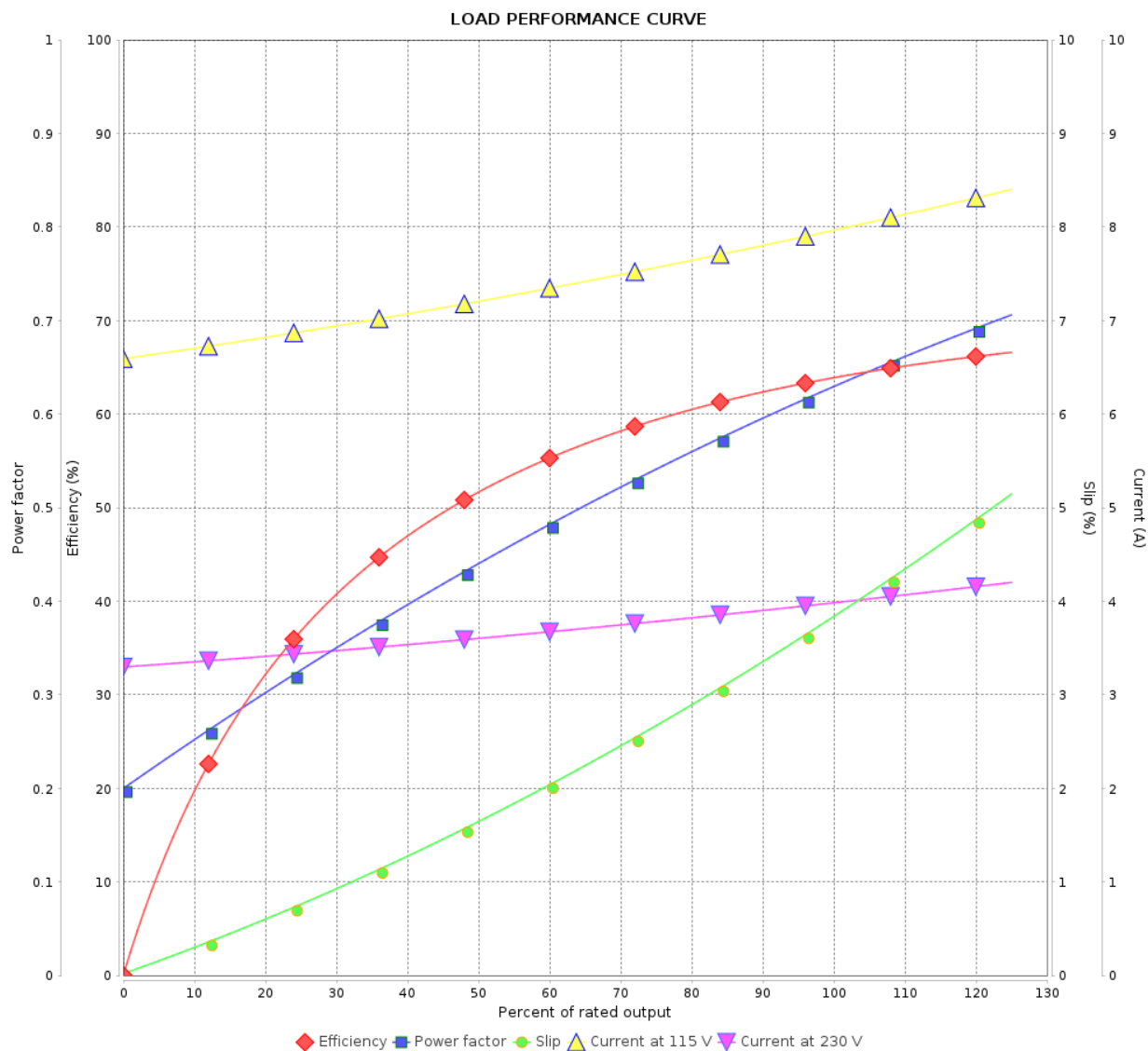
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Rolled Steel 00022 Single-Phase Product code : 19226131



Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	26/03/2026				
			Page 2 / 2	Revision	

