

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00022 Single-Phase Product code : 15793862

Frame	: 213/5T	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 28.8 A	Protection degree	: IP55
L. R. Amperes	: 259 A	Cooling method	: IC411 - TEFC
LRC	: 9.0x(Code J)	Mounting	: F-1
No load current	: 6.30 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1755 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 2.50 %	Vibration	: A
Rated torque	: 3 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 390 %	Approx. weight ³	: 74.0 kg
Breakdown torque	: 300 %		: 207N (ISO 12944 - C2)
Insulation class	: F		: RAL 3003
Service factor	: 1.15		
Moment of inertia (J)	: 0.0605 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	78.5	84.0	85.5	Max. traction	: 135 kgf
Power Factor	0.00	0.95	0.96	0.97	Max. compression	: 209 kgf

		Drive end	Non drive end
Bearing type	:	6208 2RS	6206 2RS
Sealing	:	V'Ring	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
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Checked by				
Date	24/09/2026			

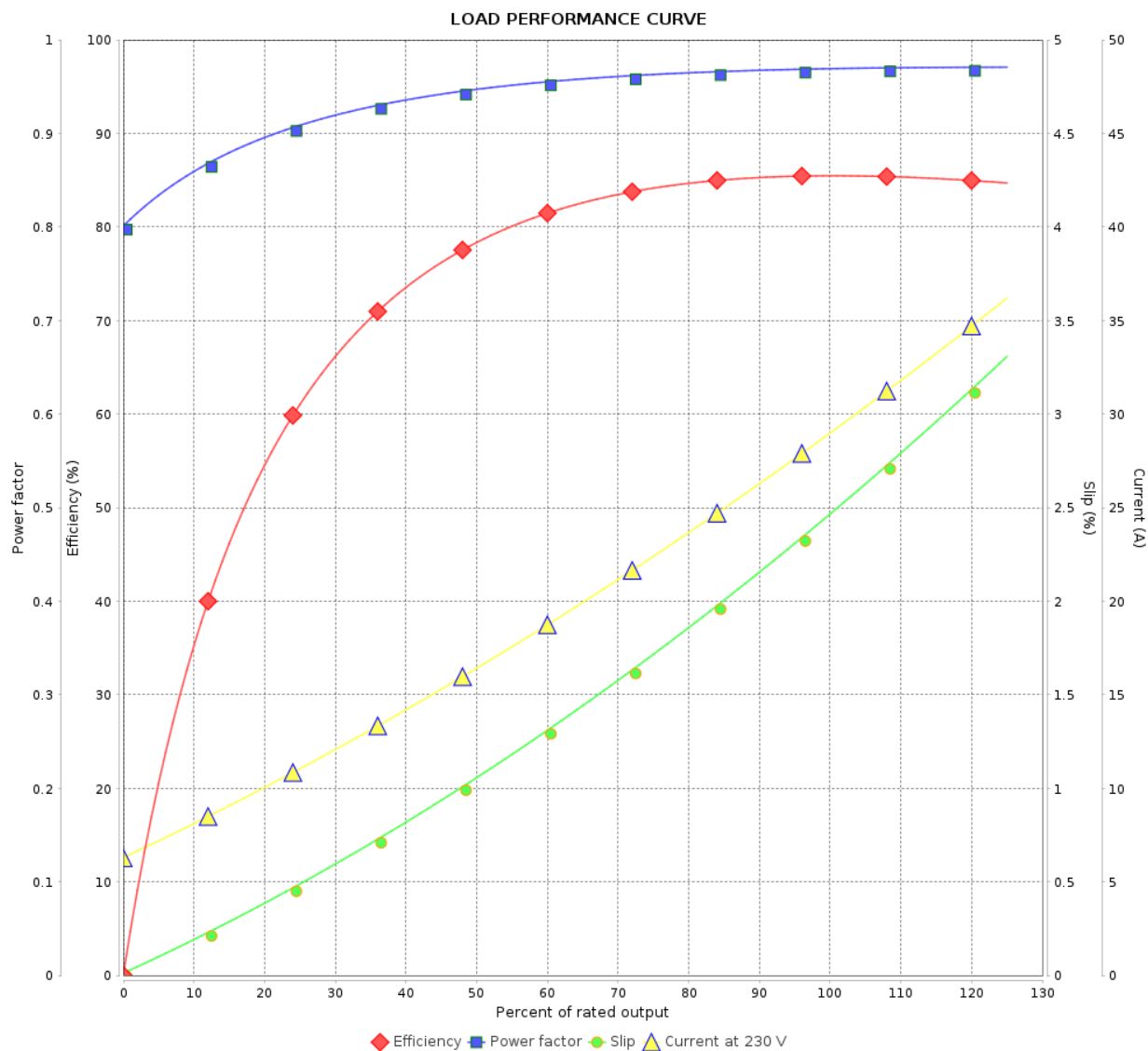
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00022 Single-Phase Product code : 15793862



Performance : 230 V 60 Hz 4P

Rated current : 28.8 A
LRC : 9.0
Rated torque : 3 kgfm
Locked rotor torque : 390 %
Breakdown torque : 300 %
Rated speed : 1755 rpm

Moment of inertia (J) : 0.0605 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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