

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Single-Phase Product code : 14788844

Frame	: 56C	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 17.4/9.62-8.70 A	Protection degree	: IP55
L. R. Amperes	: 136/75.0-67.9 A	Cooling method	: IC411 - TEFC
LRC	: 7.8x(Code J)	Mounting	: F-1
No load current	: 5.00/2.16-2.50 A	Rotation ¹	: CCW
Rated speed	: 3495 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 2.92 %	Vibration	: A
Rated torque	: 0 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 220 %	Approx. weight ³	: 16.0 kg
Breakdown torque	: 250 %		: 207N (ISO 12944 - C2)
Insulation class	: F		: Munsell N 1 - Matte
Service factor	: 1.15	Design	: L
Moment of inertia (J)	: 0.0030 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	70.0	75.0	77.0	Max. traction	: 24 kgf
Power Factor	0.94	0.97	0.97	Max. compression	: 42 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6202 2RS
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		
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Date	24/09/2026			

LOAD PERFORMANCE CURVE

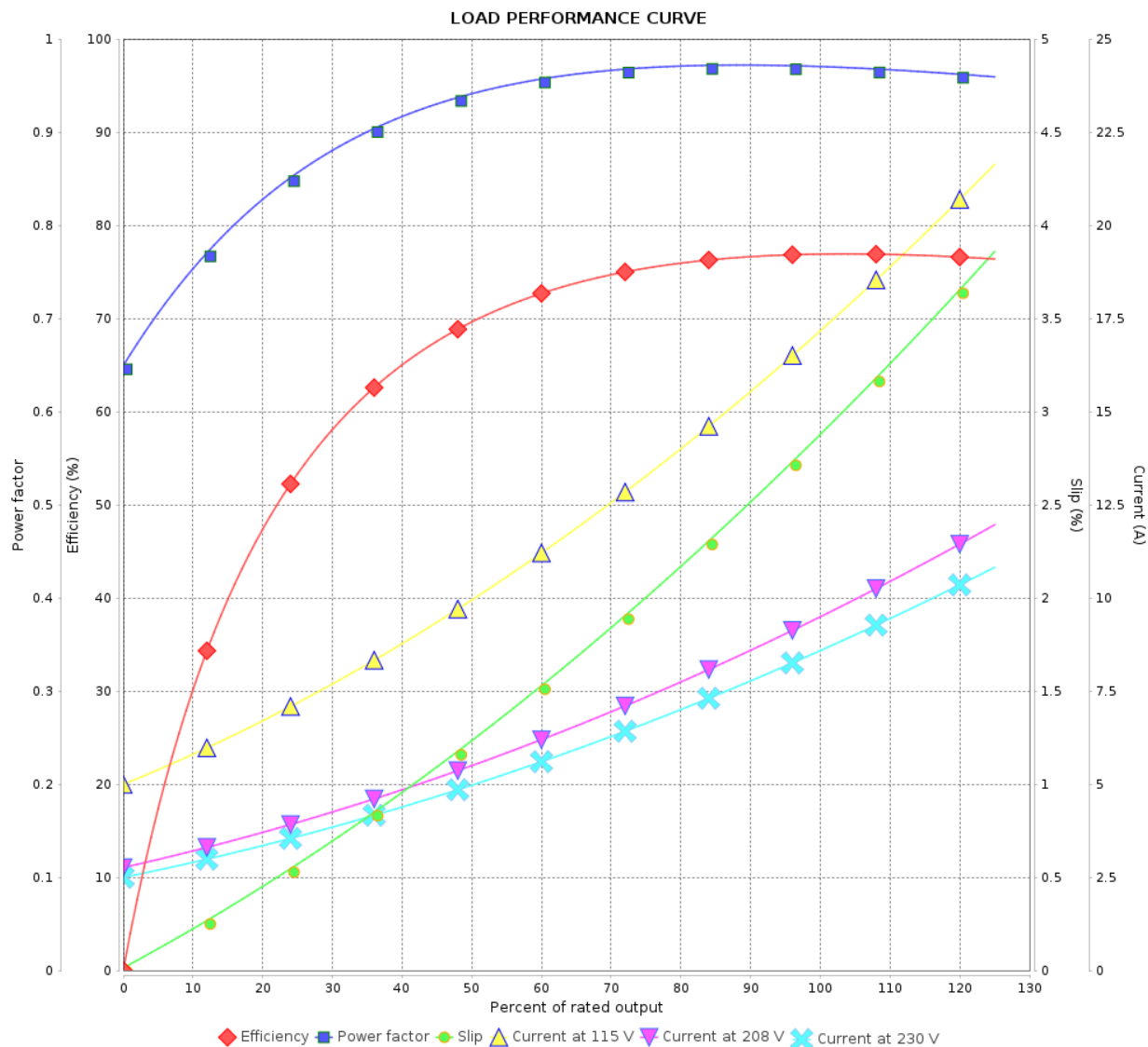
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type
Single-Phase

Product code : 14788844



Performance : 115/208-230 V 60 Hz 2P

Rated current : 17.4/9.62-8.70 A
 LRC : 7.8
 Rated torque : 0 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 3495 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

Rev.	Changes Summary		Performed	Checked	Date
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