

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Wjet Pump Single-Phase

Product code : 10674757

Frame	: E56J	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 3 HP (2.2 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	: 27.2/13.8-13.6 A	Protection degree	: IP21
L. R. Amperes	: 188/95.2-93.8 A	Cooling method	: IC01 - ODP
LRC	: 6.9x(Code J)	Mounting	: F-1
No load current	: 14.4/6.21-7.20 A	Rotation ¹	: CCW
Rated speed	: 3450 rpm	Starting method	: Direct On Line
Slip	: 4.17 %	Approx. weight ³	: 18.7 kg
Rated torque	: 0.631 kgfm		
Locked rotor torque	: 150 %		
Breakdown torque	: 240 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0232 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	76.8	79.7	80.1	Max. traction	: 39 kgf
Power Factor	0.71	0.72	0.88	Max. compression	: 58 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6203 2RS
Sealing	:	Slinger	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.

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LOAD PERFORMANCE CURVE

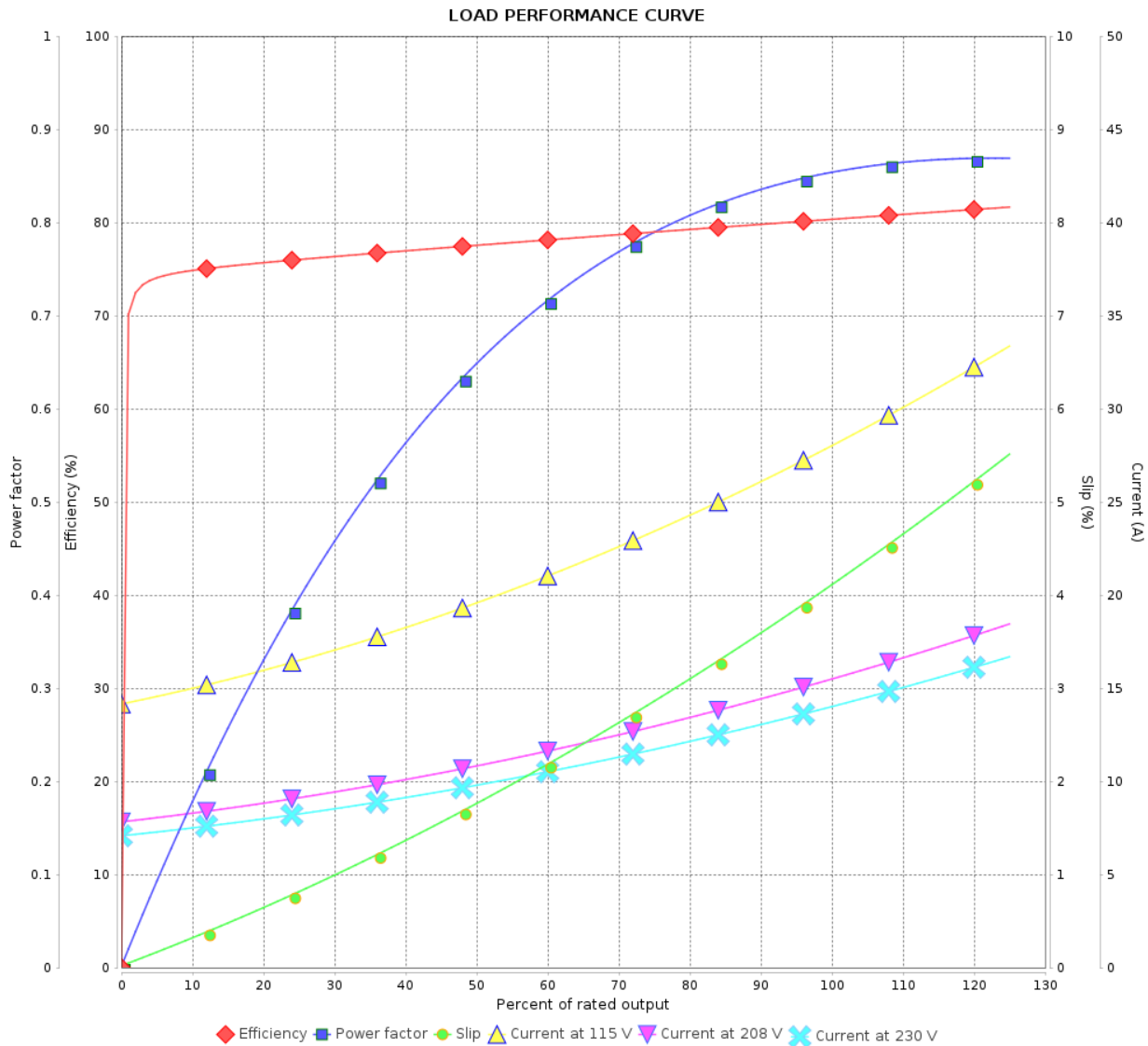
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Wjet Pump Single-Phase

Product code : 10674757



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

Rated current : 27.2/13.8-13.6 A
 LRC : 6.9
 Rated torque : 0.631 kgfm
 Locked rotor torque : 150 %
 Breakdown torque : 240 %
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0232 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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