

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor Product code : 10807664

Frame	: B56J	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.33 HP (0.25 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	: 5.70/2.70-2.85 A	Protection degree	: IP55
L. R. Amperes	: 33.1/15.7-16.5 A	Cooling method	: IC411 - TEFC
LRC	: 5.8x(Code N)	Mounting	: F-1
No load current	: 4.40/1.90-2.20 A	Rotation ¹	: CCW
Rated speed	: 3490 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 3.06 %	Starting method	: Direct On Line
Rated torque	: 0.069 kgfm	Approx. weight ³	: 10.6 kg
Locked rotor torque	: 370 %		
Breakdown torque	: 320 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0012 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	40.0	49.0	53.0	Max. traction	: 1 kgf
Power Factor	0.56	0.64	0.70	Max. compression	: 12 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	V'Ring
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	24/10/2024			

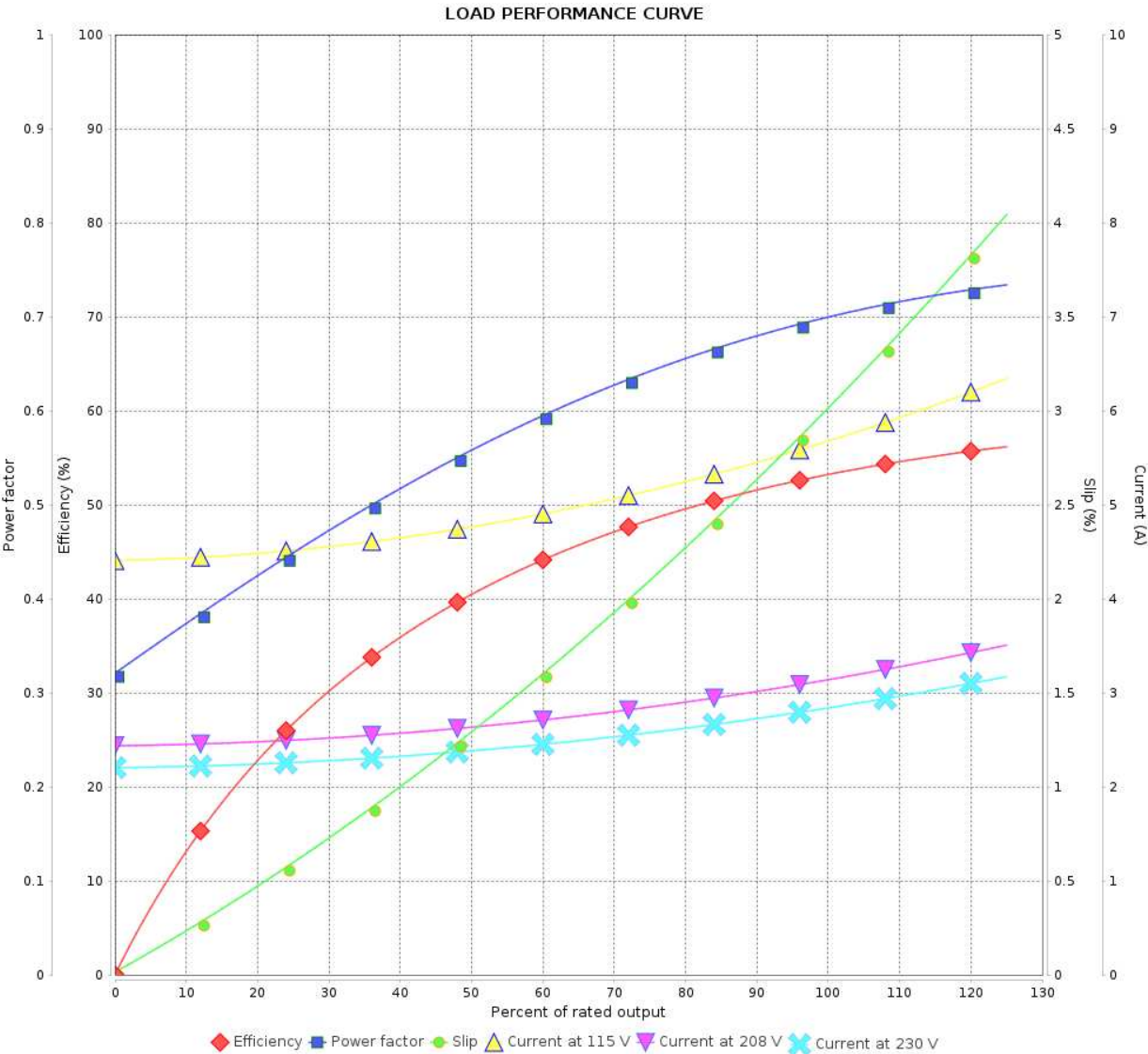
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor Product code : 10807664



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

Rated current	: 5.70/2.70-2.85 A	Moment of inertia (J)	: 0.0012 kgm ²
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.069 kgfm	Insulation class	: B
Locked rotor torque	: 370 %	Service factor	:
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 3490 rpm		

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date					
	24/10/2024				

