

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Compressor Duty Single-Phase Product code : 10932866

Frame	: D56	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	: 22.0/12.0-11.0 A	Protection degree	: IP21
L. R. Amperes	: 125/68.4-62.7 A	Cooling method	: IC01 - ODP
LRC	: 5.7x(Code J)	Mounting	: F-1
No load current	: 11.0/4.74-5.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3440 rpm	Starting method	: Direct On Line
Slip	: 4.44 %	Approx. weight ³	: 14.6 kg
Rated torque	: 0.422 kgfm		
Locked rotor torque	: 210 %		
Breakdown torque	: 190 %		
Insulation class	: B		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0021 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	67.0	70.0	70.0	Max. traction	: 18 kgf
Power Factor	0.67	0.77	0.84	Max. compression	: 33 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6203 ZZ
Sealing	:	Without Bearing Seal	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
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LOAD PERFORMANCE CURVE

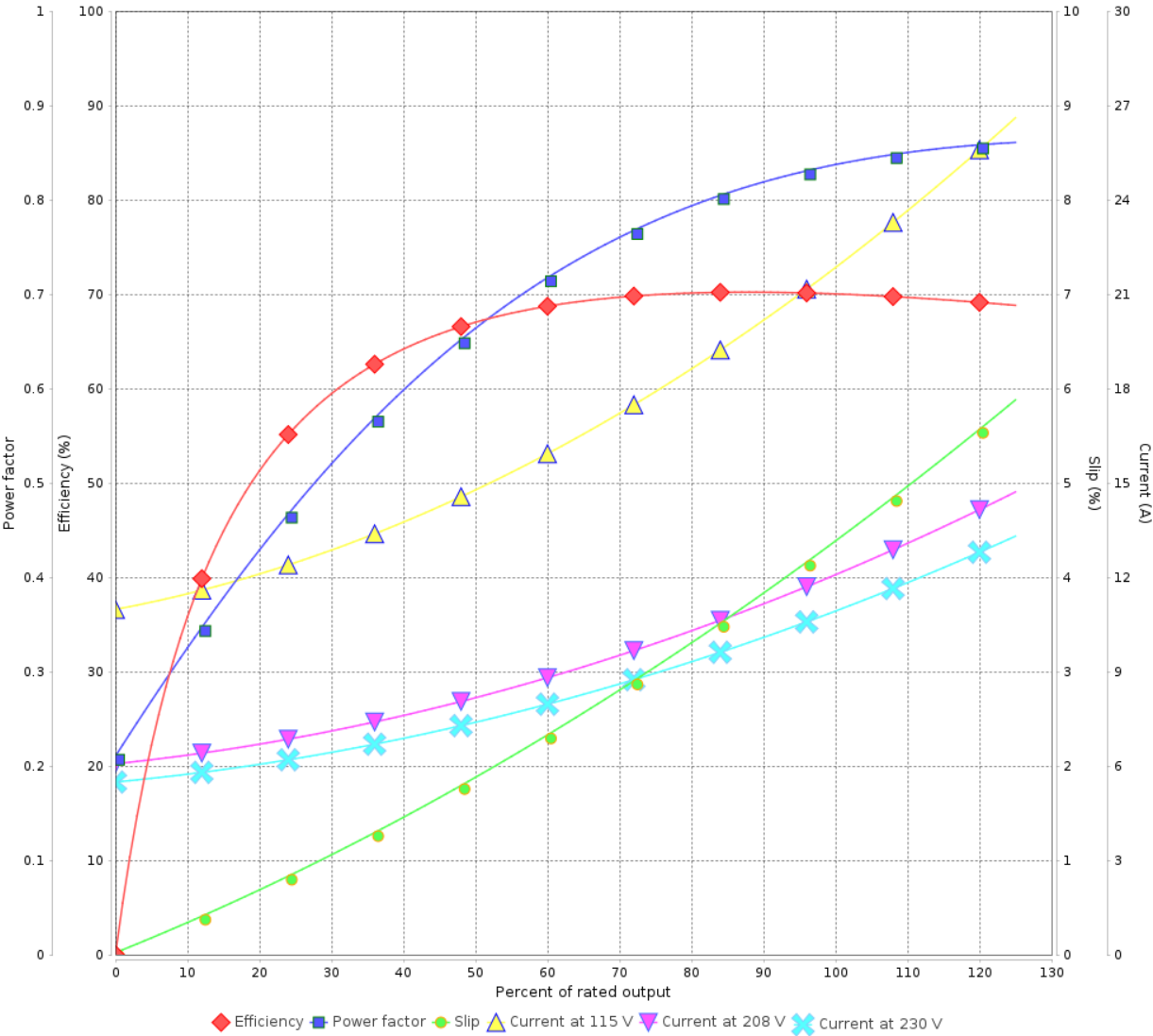
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Customer :

Product line : Compressor Duty Single-Phase Product code : 10932866

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 2P			
Rated current	: 22.0/12.0-11.0 A	Moment of inertia (J)	: 0.0021 kgm ²
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.422 kgfm	Insulation class	: B
Locked rotor torque	: 210 %	Service factor	:
Breakdown torque	: 190 %	Temperature rise	: 80 K
Rated speed	: 3440 rpm		

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