

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Compressor Duty Single-Phase Product code : 12882732
Catalog # : 00336OS1CCD56-S

Frame	: 56H	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 13.0-12.7 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 88.4-86.4 A	Mounting	: F-1
LRC	: 6.8x(Code H)	Rotation ¹	: Both (CW and CCW)
No load current	: 4.05-4.70 A	Noise level ²	: 58.0 dB(A)
Rated speed	: 3480 rpm	Starting method	: Direct On Line
Slip	: 3.33 %	Approx. weight ³	: 0.0 lb
Rated torque	: 4.54 ft.lb		
Locked rotor torque	: 165 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0707 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	71.3	72.9	78.6	80.0	Max. traction	: 92 lb
Power Factor	0.60	0.90	0.93	0.94	Max. compression	: 130 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6202 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.

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LOAD PERFORMANCE CURVE

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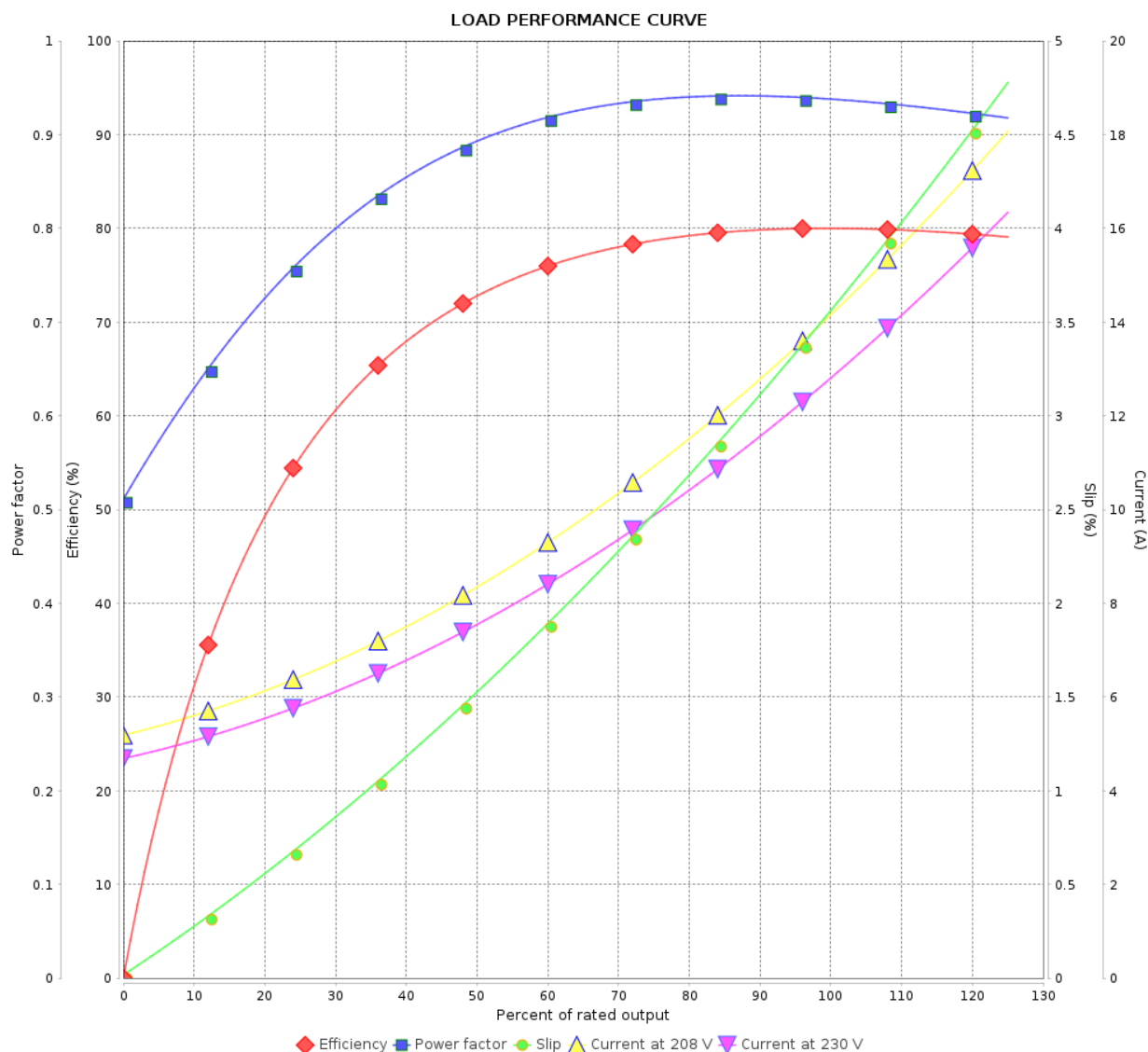


Customer :

Product line : Rolled Steel Compressor Duty
Single-Phase

Product code : 12882732

Catalog # : 00336OS1CCD56-S



Performance : 208-230 V 60 Hz 2P

Rated current : 13.0-12.7 A
LRC : 6.8
Rated torque : 4.54 ft.lb
Locked rotor torque : 165 %
Breakdown torque : 250 %
Rated speed : 3480 rpm

Moment of inertia (J) : 0.0707 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 105 K
Design : L

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