

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Compressor Duty Single-Phase Product code : 13521268
Catalog # : 00536OS1DCD56HZ-S

Frame	: 56HZ	Locked rotor time	: 7s (cold) 4s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 20.3 A	Mounting	: F-3
L. R. Amperes	: 122 A	Rotation ¹	: Both (CW and CCW)
LRC	: 6.0x(Code G)	Noise level ²	: 68.0 dB(A)
No load current	: 4.70 A	Starting method	: Direct On Line
Rated speed	: 3440 rpm	Approx. weight ³	: 0.0 lb
Slip	: 4.44 %		
Rated torque	: 7.63 ft.lb		
Locked rotor torque	: 240 %		
Breakdown torque	: 200 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0864 sq.ft.lb		
Design	: L		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	74.6	79.5	80.0	Max. traction	: 126 lb
Power Factor	0.98	0.98	0.99	Max. compression	: 174 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6205 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.

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LOAD PERFORMANCE CURVE

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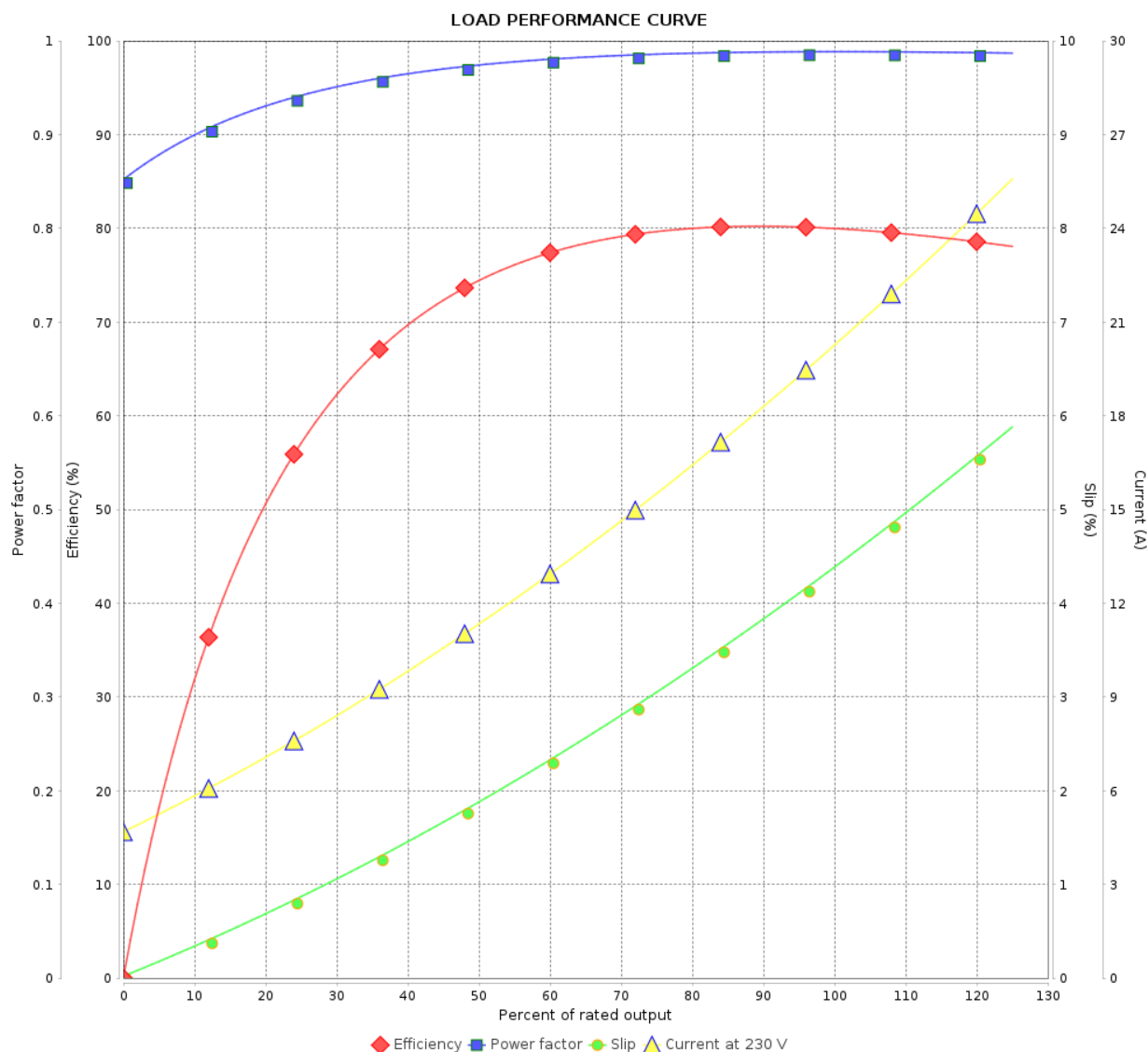


Customer :

Product line : Rolled Steel Compressor Duty
Single-Phase

Product code : 13521268

Catalog # : 00536OS1DCD56HZ-S



Performance : 230 V 60 Hz 2P

Rated current : 20.3 A
LRC : 6.0
Rated torque : 7.63 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 200 %
Rated speed : 3440 rpm

Moment of inertia (J) : 0.0864 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 105 K
Design : L

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