



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Single Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Catalog Number : .5036OT1BW56CFL-S

List Price : \$310

Notes:

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Generated for Model #.5036OT1BW56CFL-S

Performed by:

Checked:



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No.:

Date: 12-SEP-2016

## DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Single Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Frame : W56  
 Output : 0.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3510 rpm  
 Slip : 2.50 %  
 Voltage : 115/208-230 V  
 Rated current : 4.80/2.65-2.40 A  
 Locked rotor current : 42.2/21.1 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.8  
 No-load current : 1.60/0.800 A  
 Full load torque : 0.738 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 9 s (hot)  
 Service factor : 1.25 (1.00 at 208V)  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 19 lb  
 Moment of inertia : 0.02539 sq.ft.lb  
 Noise level : 56 dB(A)

	D.E.	N.D.E.
Bearings	6203 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.94	72.4
75%	0.93	68.0
50%	0.90	60.0

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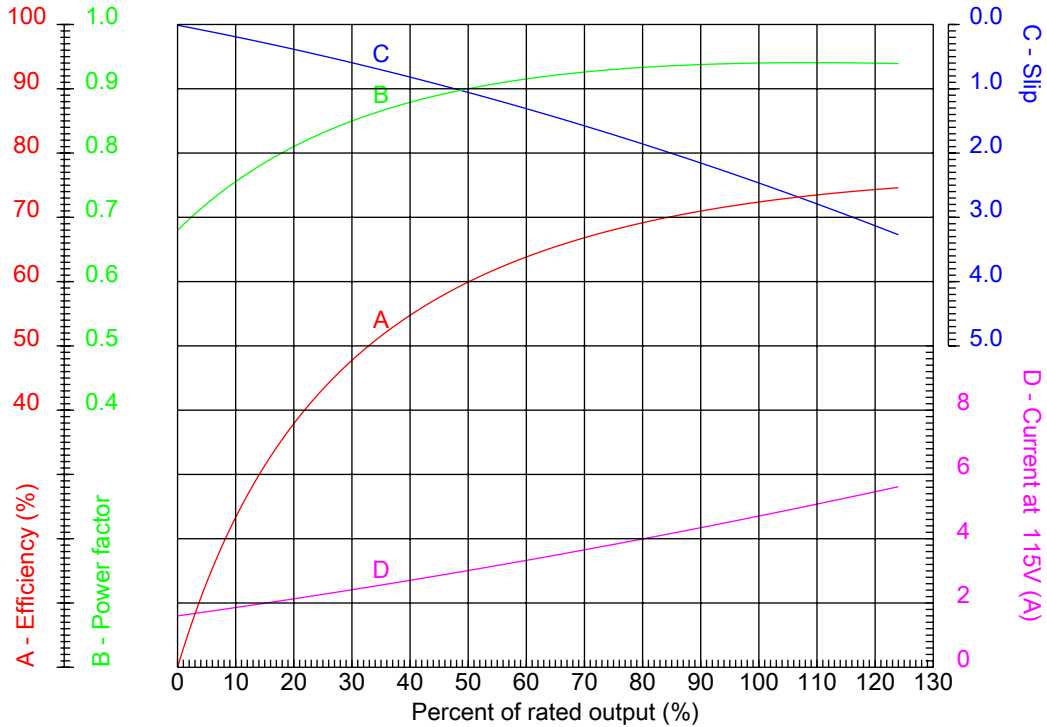
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No.:

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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : Single Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Frame	: W56	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 8.8
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25 (1.00 at 208V)
Full load speed	: 3510 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 270 %
Rated current	: 4.80/2.65-2.40 A	Breakdown torque	: 300 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

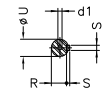
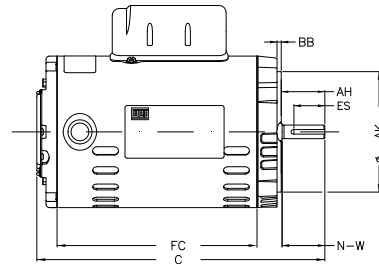
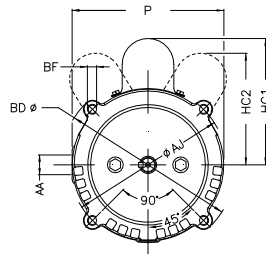
B

C

D

E

F



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Customer:

Single Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Single-phase induction motor  
Frame W56 - ODP

12-SEP-2016



P 5.709	AB 5.520	HK 2.650	FC 6.693	C 10.260
N-W 1.874	ES 1.417	d1 A 3.15	S 0.187	U 0.625
AA NPT 1/2"	depth 0.187	R 0.517	LL 3.835	LM 3.697
HC2 4.165	Flange FC-149	AJ 5.874	AK 4.500	BD 6.470
BF UNC 3/8"x16-2B	BB 0.157	AH 2.063		