



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 : 00156OT1B56CFL-S

List Price : \$421

Notes:

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DATA SHEET

Single-phase induction motor - Squirrel cage rotor

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

Frame : 56
Output : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3500 rpm
Slip : 2.78 %
Voltage : 115/208-230 V
Rated current : 13.3/6.90-6.65 A
Locked rotor current : 102/51.2 A
Locked rotor current (I_L/I_n) : 7.7
No-load current : 3.20/1.60 A
Full load torque : 2.22 lb.ft
Locked rotor torque : 260 %
Breakdown torque : 270 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 10 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : ODP
Approximate weight : 32 lb
Moment of inertia : 0.06288 sq.ft.lb
Noise level : 58 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6202 ZZ	100%	0.89	81.5
Regreasing interval	---	---	75%	0.89	79.0
Grease amount	---	---	50%	0.88	73.0

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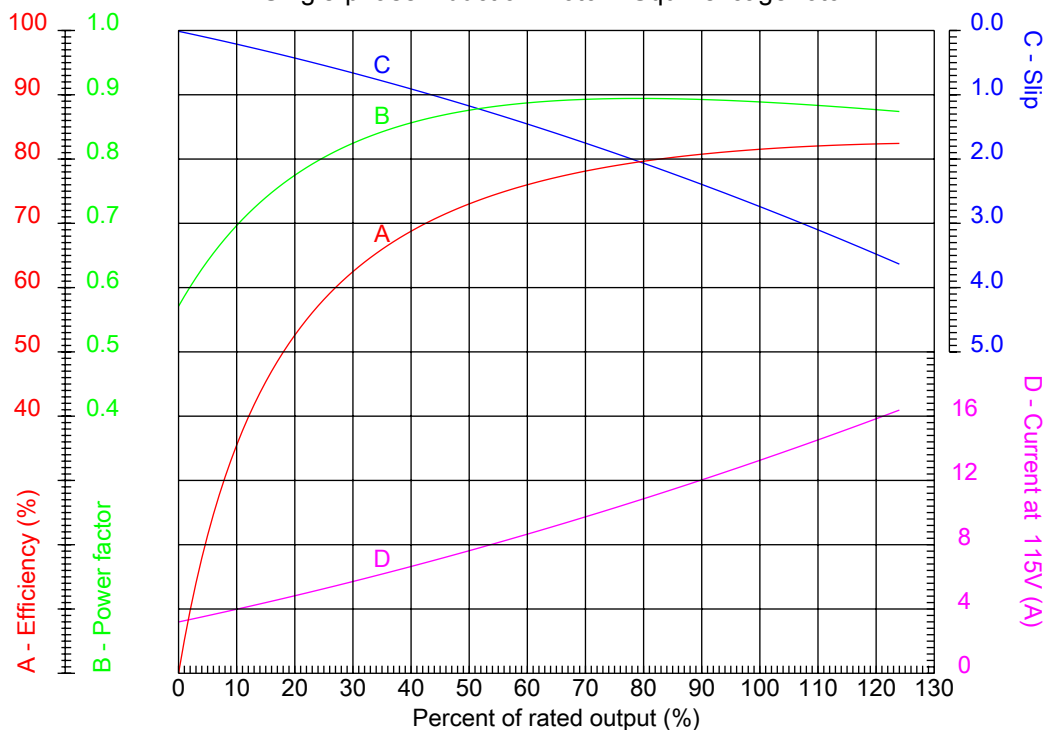


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PERFORMANCE CURVES RELATED TO RATED OUTPUT Single-phase induction motor - Squirrel cage rotor



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

Frame	: 56	Locked rotor current (I _l /I _n)	: 7.7
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3500 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 260 %
Rated current	: 13.3/6.90-6.65 A	Breakdown torque	: 270 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

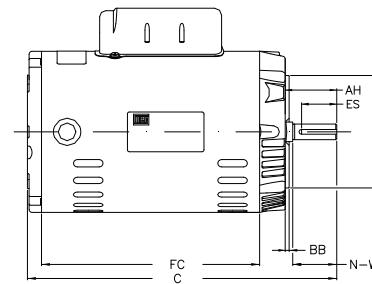
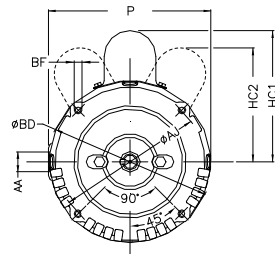
B

C

D

E

F



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Customer:

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

P	FC	C	N-W	ES
6.456	8.268	12.284	1.874	1.417
d1	S	U	AA	depth
A 3.15	0.187	0.625	NPT 1/2"	0.187
R	HC2	Flange	AJ	AK
0.517	4.650	FC-149	5.874	4.500
BD	BF	BB	AH	
6.450	UNC 3/8"x16-2B	0.157	2.062	

Single-phase induction motor
Frame 56 - ODP

12-SEP-2016

