



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 : 00218OT1B56CFL-S

List Price : \$654

Notes:

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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 : 56H
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1740 rpm
 Slip : 3.33 %
 Voltage : 115/208-230 V
 Rated current : 18.6/10.3-9.30 A
 Locked rotor current : 141/70.7 A
 Locked rotor current (I_L/I_n) : 7.6
 No-load current : 9.60/4.80 A
 Full load torque : 5.96 lb.ft
 Locked rotor torque : 260 %
 Breakdown torque : 250 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 45 lb
 Moment of inertia : 0.16136 sq.ft.lb
 Noise level : 52 dB(A)

	D.E.	N.D.E.
Bearings	6204 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.83	84.5
75%	0.78	82.0
50%	0.68	77.0

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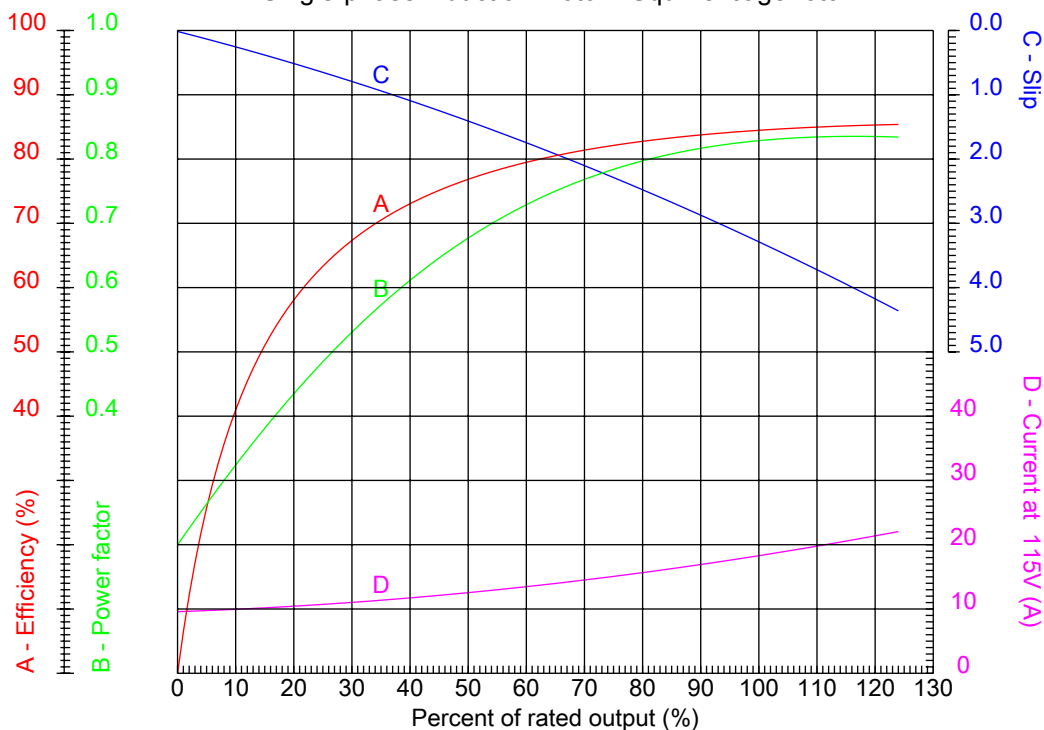
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



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

Frame	: 56H	Locked rotor current (I _l /I _n)	: 7.6
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1740 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 260 %
Rated current	: 18.6/10.3-9.30 A	Breakdown torque	: 250 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

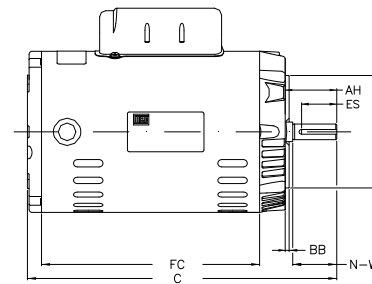
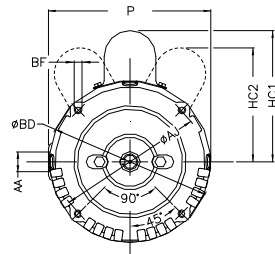
B

C

D

E

F



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Customer:

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

Single-phase induction motor
Frame 56H - ODP

12-SEP-2016



P 6.456	AB 5.882	HK 2.638	FC 9.842	C 13.858
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 4.543	LM 4.106
HC2 4.650	Flange FC-149	AJ 5.874	AK 4.500	BD 6.450
BF UNC 3/8"x16-2B	BB 0.157	AH 2.062		