



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) - TEFC - Standard Efficiency

Catalog Number : .7518ES1B56C-S

List Price : \$370

Notes:

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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) - TEFC - Standard Efficiency

Frame : 56
 Output : 0.75 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1745 rpm
 Slip : 3.06 %
 Voltage : 115/208-230 V
 Rated current : 10.6/5.86-5.30 A
 Locked rotor current : 67.8/33.9 A
 Locked rotor current (I_L/I_n) : 6.4
 No-load current : 8.00/4.00 A
 Full load torque : 2.23 lb.ft
 Locked rotor torque : 300 %
 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 : IP55
 Approximate weight : 29 lb
 Moment of inertia : 0.07783 sq.ft.lb
 Noise level : 54 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.67	68.5
75%	0.58	65.0
50%	0.47	57.0

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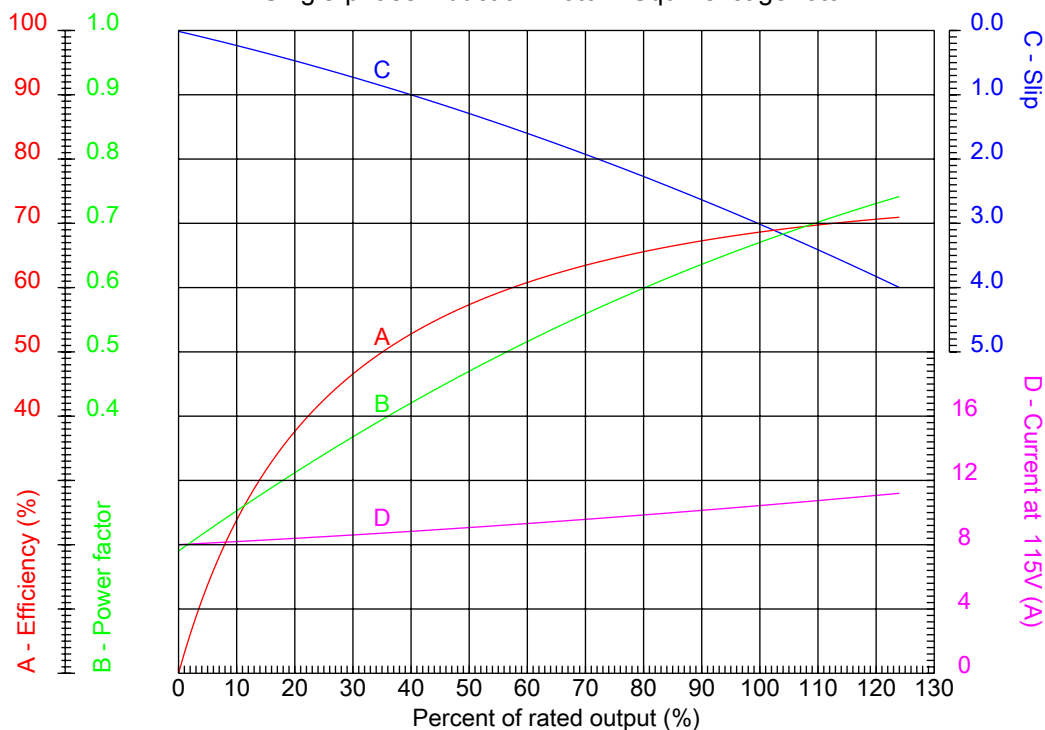
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



Customer :
Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame : 56	Locked rotor current (I _l /I _n) : 6.4
Output : 0.75 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 1745 rpm	Design : ---
Voltage : 115/208-230 V	Locked rotor torque : 300 %
Rated current : 10.6/5.86-5.30 A	Breakdown torque : 270 %
Insulation class : F	

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1 2 3 4 5 6 7 8

A

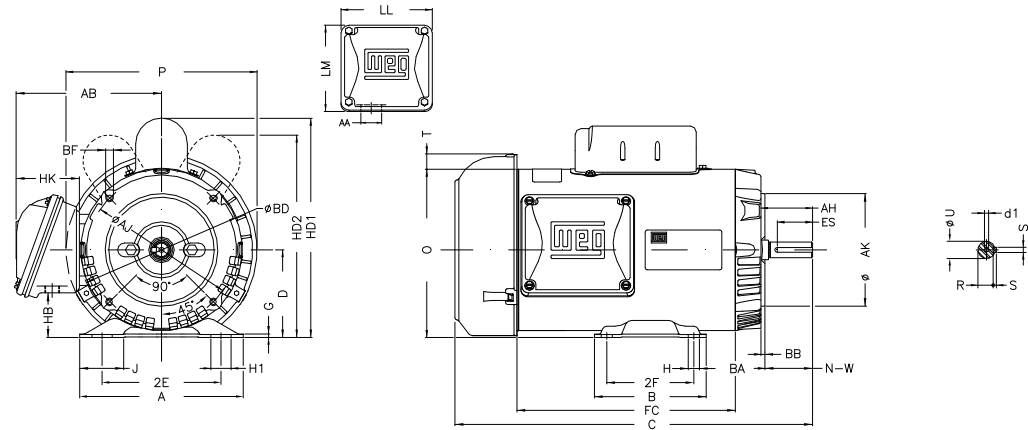
B

C

D

E

F



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Customer:

Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

P	AB	J	2E	A
7.638	5.882	1.732	4.874	6.535
H	G	HB	HK	XO
0.343	0.120	1.783	2.638	0.603
O	FC	2F	B	C
6.724	7.480	3.000	4.016	13.114
BA	N-W	ES	d1	S
2.750	1.874	1.417	A 3,15	0.187
U	AA	depth	R	LL
0.625	0.881"	0.187	0.517	4.543
LM	D	CH	HD'	HC1
4.106	3.500	1.377	8.622	5.122
Flange	AJ	AK	BD	BF
FC-149	5.874	4.500	6.450	UNC 3/8"x16-2B
BB	AH			
0.157	2.062			

Single-phase induction motor
Frame 56 - IP55

12-SEP-2016

