



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 : 00236ES1B56C-S

List Price : \$589

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #00236ES1B56C-S

Performed by:

Checked:



Dealers Industrial Equipment

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 : 2 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3495 rpm
 Slip : 2.92 %
 Voltage : 115/208-230 V
 Rated current : 17.4/9.62-8.70 A
 Locked rotor current : 136/67.9 A
 Locked rotor current (I_L/I_n) : 7.8
 No-load current : 4.20/2.10 A
 Full load torque : 2.96 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 6 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 35 lb
 Moment of inertia : 0.07072 sq.ft.lb
 Noise level : 68 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6202 ZZ	100%	0.97	77.0
Regreasing interval	---	---	75%	0.97	75.0
Grease amount	---	---	50%	0.94	70.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00236ES1B56C-S

Performed by

Checked



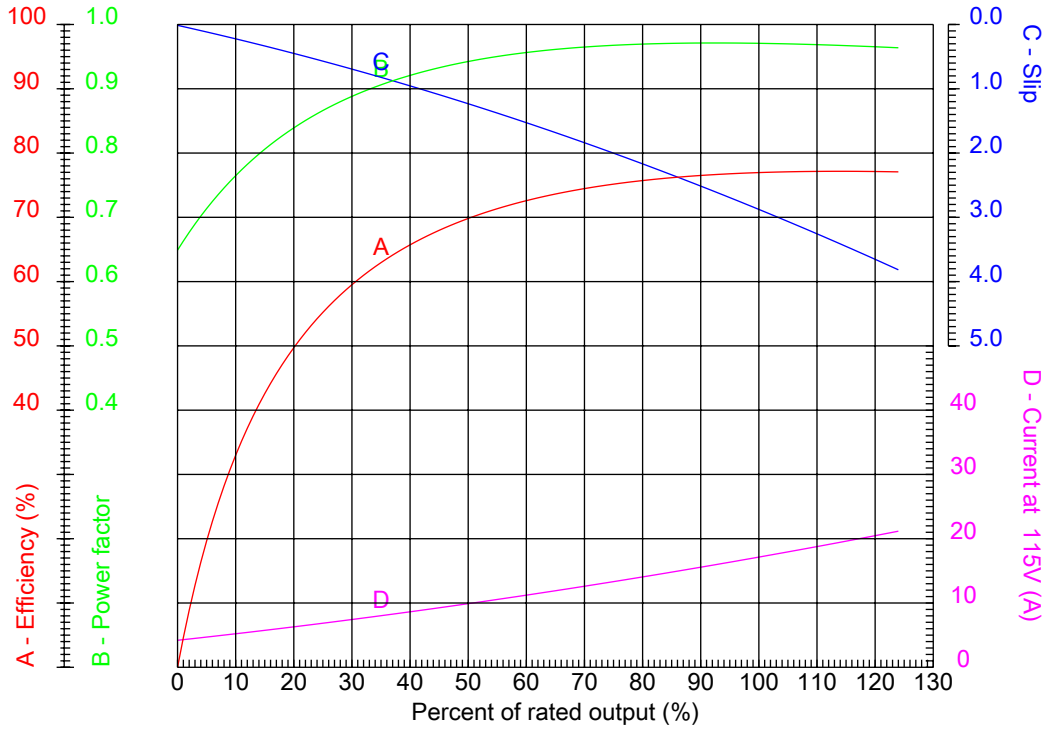
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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)	: 7.8
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3495 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 220 %
Rated current	: 17.4/9.62-8.70 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00236ES1B56C-S

Performed by

Checked

1 2 3 4 5 6 7 8

A

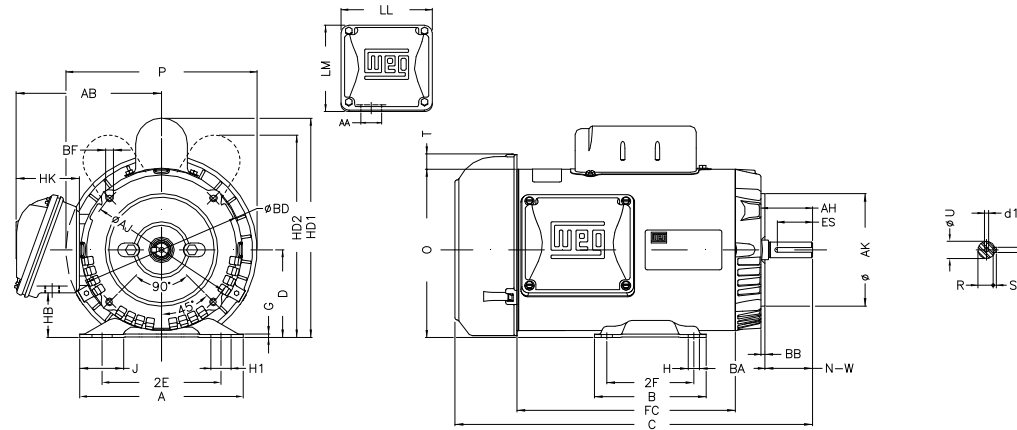
B

C

D

E

F



Notes: Downloaded from <http://dealerselectric.com>
Generated for Model #00236ES1B56C-S

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	8.661	3.000	4.016	14.295
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	HD2	HC2
4.106	3.500	1.377	8.150	4.650
Flange	AJ	AK	BD	BF
FC-149	5.874	4.500	6.450	UNC 3/8"x16-2B
BB	AH			
0.157	2.062			

Performed by:

Checked:

Customer:

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

Single-phase induction motor
Frame 56 - IP55

12-SEP-2016

