



# 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 : .2536ES1BW56-S

List Price : \$257

#### Notes:

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Generated for Model #.2536ES1BW56-S

Performed by:

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# 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 : W56  
 Output : 0.25 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3485 rpm  
 Slip : 3.19 %  
 Voltage : 115/208-230 V  
 Rated current : 4.20/2.32-2.10 A  
 Locked rotor current : 27.7/13.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.6  
 No-load current : 3.20/1.60 A  
 Full load torque : 0.372 lb.ft  
 Locked rotor torque : 290 %  
 Breakdown torque : 300 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 11 s (hot)  
 Service factor : 1.15 (1.00 at 208V)  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 17 lb  
 Moment of inertia : 0.01471 sq.ft.lb  
 Noise level : 66 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.74	50.0
75%	0.68	44.0
50%	0.60	35.0

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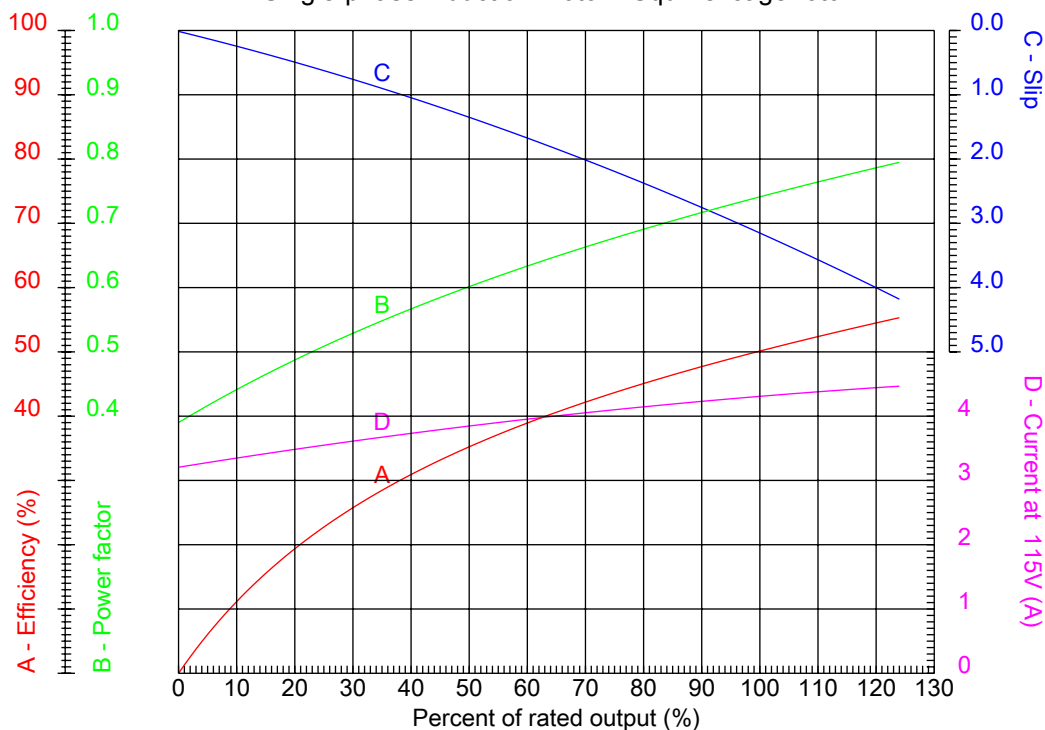


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No.:

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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) - TEFC - Standard Efficiency

Frame	: W56	Locked rotor current (I <sub>L</sub> /I <sub>n</sub> )	: 6.6
Output	: 0.25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 3485 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 290 %
Rated current	: 4.20/2.32-2.10 A	Breakdown torque	: 300 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

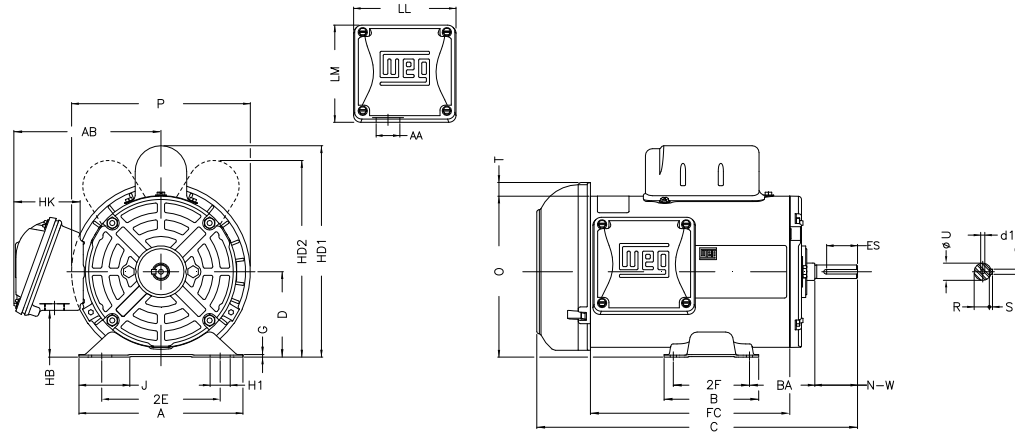
B

C

D

E

F



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P	AB	J	2E	A
6.693	5.520	1.620	4.874	6.535
H	G	HB	HK	XO
0.343	0.075	2.055	2.650	0.524
O	FC	2F	B	C
6.330	5.906	3.000	4.016	10.713
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	3.835
LM	BB	D	CH	HD'
3.697	0.524	3.500	1.417	8.189
HC1				
4.717				

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Customer:

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

Single-phase induction motor  
Frame W56 - IP55

12-SEP-2016

