



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

## TECHNICAL PROPOSAL

### Single-phase induction motor - Squirrel cage rotor

Product line : Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

Catalog Number : .3318OS1BC56CFL

List Price : \$258

#### Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #.3318OS1BC56CFL

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 : NEMA 48 & 56 ODP - Start Capacitor

Frame : C56  
Output : 0.33 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1745 rpm  
Slip : 3.06 %  
Voltage : 115/208-230 V  
Rated current : 6.60/3.10-3.30 A  
Locked rotor current : 34.3/17.2 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.2  
No-load current : 5.60/2.80 A  
Full load torque : 0.980 lb.ft  
Locked rotor torque : 350 %  
Breakdown torque : 280 %  
Design : ---  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.35 (1.00 at 208V)  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP21  
Approximate weight : 22 lb  
Moment of inertia : 0.04010 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6202 ZZ	100%	0.55	58.2
Regreasing interval	---	---	75%	0.47	53.5
Grease amount	---	---	50%	0.39	45.5

#### Notes:

Downloaded from <http://dealerselectric.com>  
Generated for Model #.3318OS1BC56CFL

Performed by

Checked

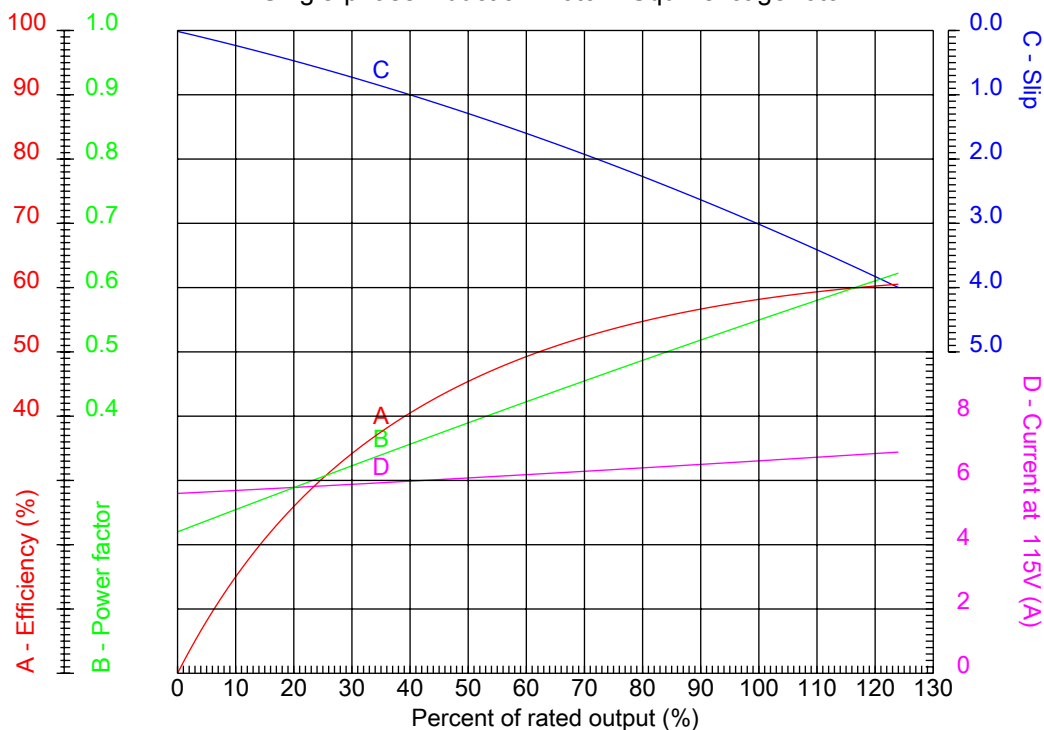


# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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



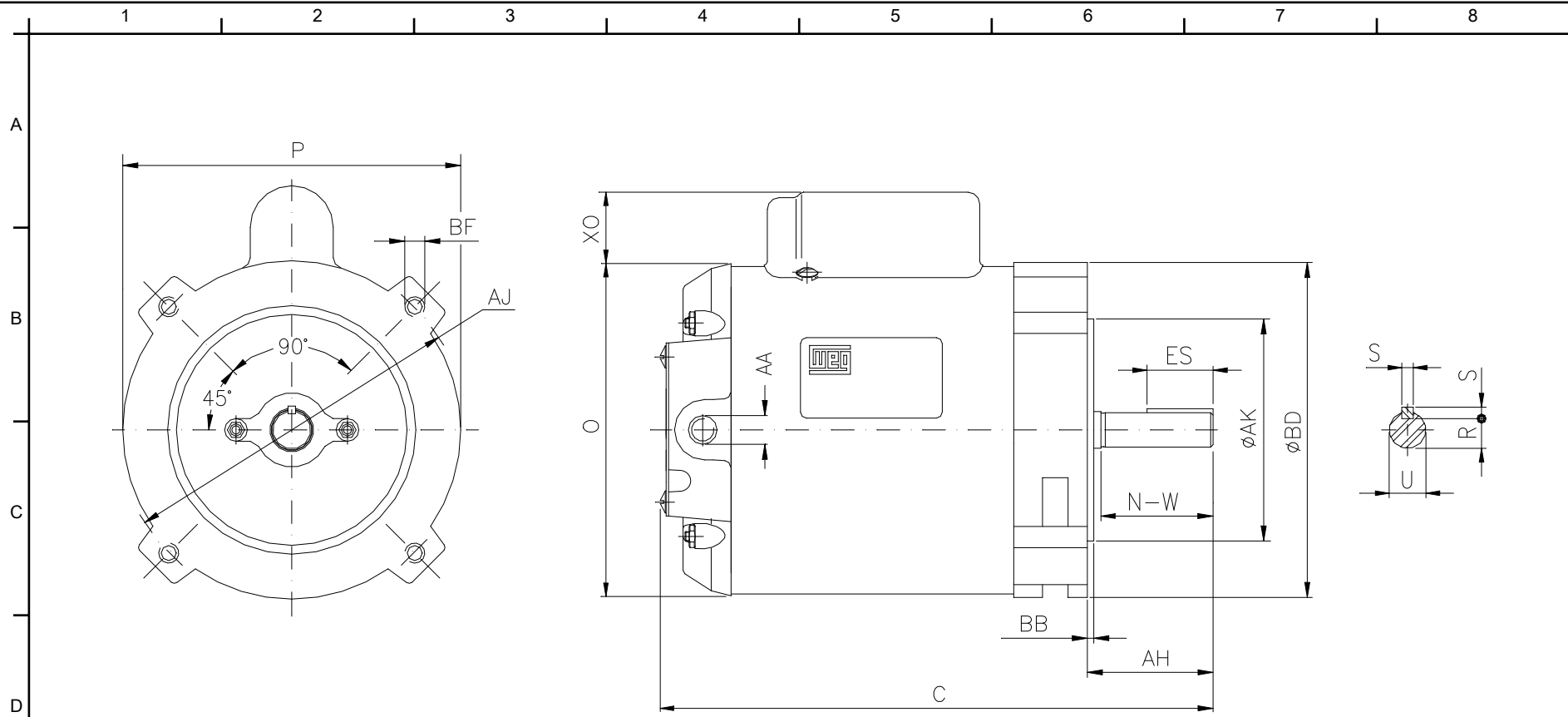
Customer :  
 Product line : Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

Frame	: C56	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 5.2
Output	: 0.33 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.35 (1.00 at 208V)
Full load speed	: 1745 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 350 %
Rated current	: 6.60/3.10-3.30 A	Breakdown torque	: 280 %
Insulation class	: B		

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #.3318OS1BC56CFL

Performed by

Checked



Notes: Downloaded from <http://dealerselectric.com>  
 Generated for Model #.3318OS1BC56CFL

Performed by:

Checked:

Customer:

Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

C	P	ES	S	N-W
10.551	5.709	1.102	0.187	1.874
U	R	AA	AH	Flange
0.6250	0.517	NPT 1/2"	2.063	FC-149
AJ	AK	BD	BF	BB
5.874	4.500	5.748	UNC 3/8"x16-2B	0.157

Single-phase induction motor  
 Frame C56 - IP21

12-SEP-2016

