



# 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 : 00118OS1BD56

List Price : \$355

#### Notes:

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## DATA SHEET

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

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

Frame : D56  
Output : 1 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1730 rpm  
Slip : 3.89 %  
Voltage : 115/208-230 V  
Rated current : 13.0/6.50 A  
Locked rotor current : 72.8/36.4 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.6  
No-load current : 8.67/4.34 A  
Full load torque : 2.99 lb.ft  
Locked rotor torque : 210 %  
Breakdown torque : 240 %  
Design : ---  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 6 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 : IP21  
Approximate weight : 36 lb  
Moment of inertia : 0.13384 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6203 ZZ	100%	0.69	71.8
Regreasing interval	---	---	75%	0.61	71.0
Grease amount	---	---	50%	0.49	66.0

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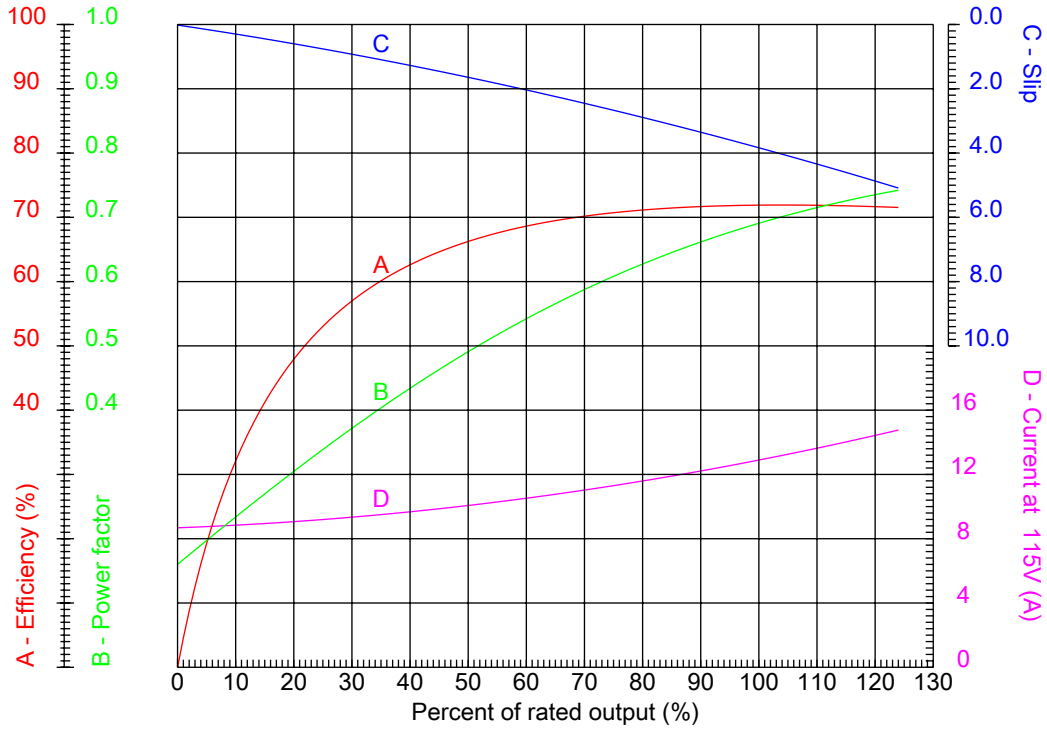
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



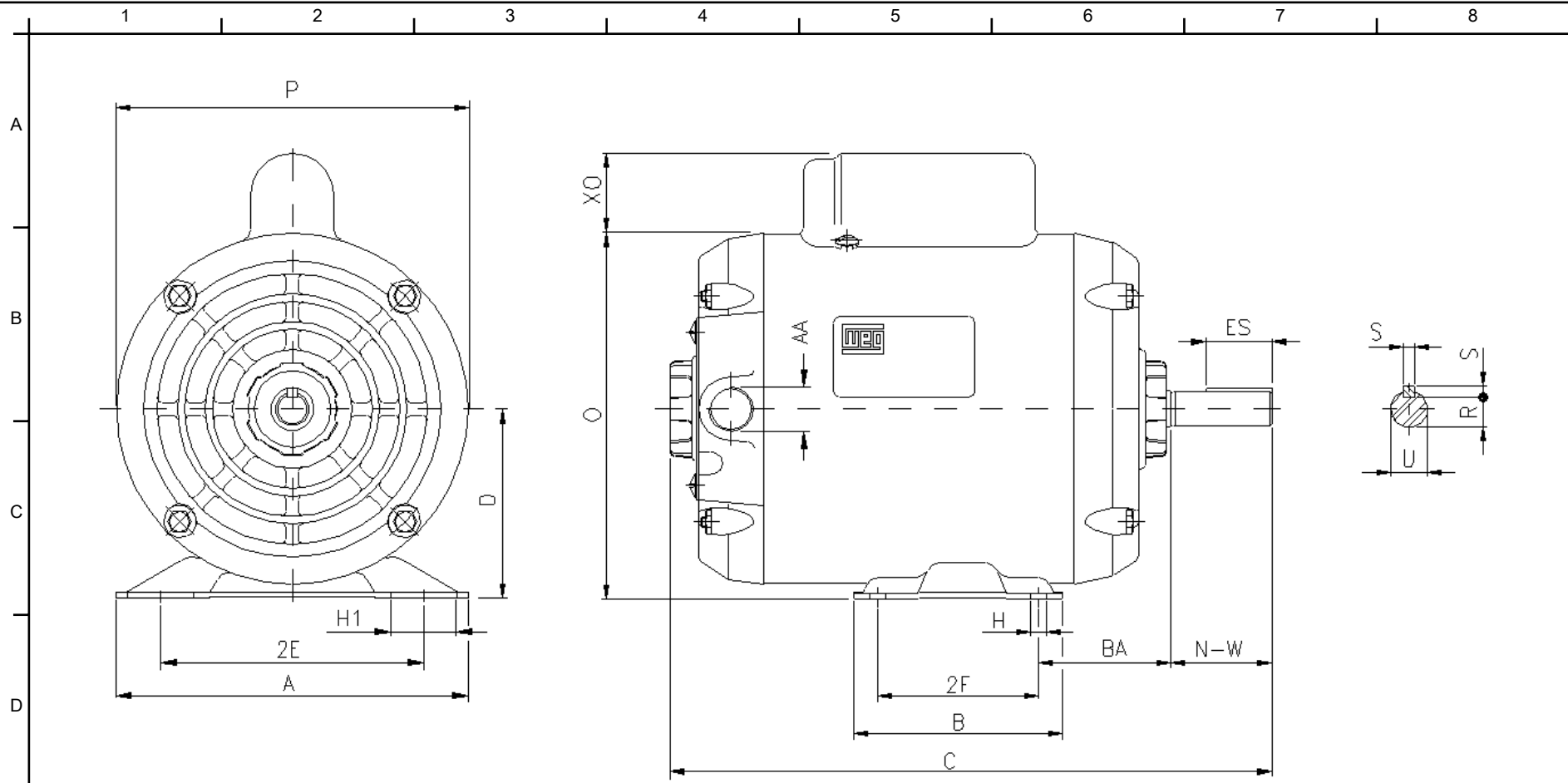
Customer :  
 Product line : Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

Frame : D56	Locked rotor current (I <sub>L</sub> /I <sub>n</sub> ) : 5.6
Output : 1 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15 (1.00 at 208V)
Full load speed : 1730 rpm	Design : ---
Voltage : 115/208-230 V	Locked rotor torque : 210 %
Rated current : 13.0/6.50 A	Breakdown torque : 240 %
Insulation class : B	

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Customer:

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

2E 4.874	2F 3.000	H 0.342	H1 1.220	BA 2.750
A 6.535	B 4.016	C 12.283	D 3.500	O 6.732
XO 0.000	P 6.457	ES 1.102	S 0.187	N-W 1.874
U 0.6250	R 0.517	AA NPT 1/2"	d1 A 3.15	AH 2.063

Single-phase induction motor  
 Frame D56 - IP21

12-SEP-2016

