



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Compressor Duty : Single-Phase - ODP

Catalog Number : .5036OS1BCDC56

List Price : \$224

Notes:

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Generated for Model #.5036OS1BCDC56

Performed by:

Checked:



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Compressor Duty : Single-Phase - ODP

Frame : C56  
Output : 0.5 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3400 rpm  
Slip : 5.56 %  
Voltage : 115/208-230 V  
Rated current : 6.60/3.50-3.30 A  
Locked rotor current : 30.4/15.2 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 4.6  
No-load current : 4.10/2.05 A  
Full load torque : 0.762 lb.ft  
Locked rotor torque : 250 %  
Breakdown torque : 290 %  
Design : ---  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.00 (1.00 at 208V)  
Duty cycle : COMPRESSOR  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP21  
Approximate weight : 23 lb  
Moment of inertia : 0.01898 sq.ft.lb  
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.77	63.0
75%	0.71	59.0
50%	0.61	53.0

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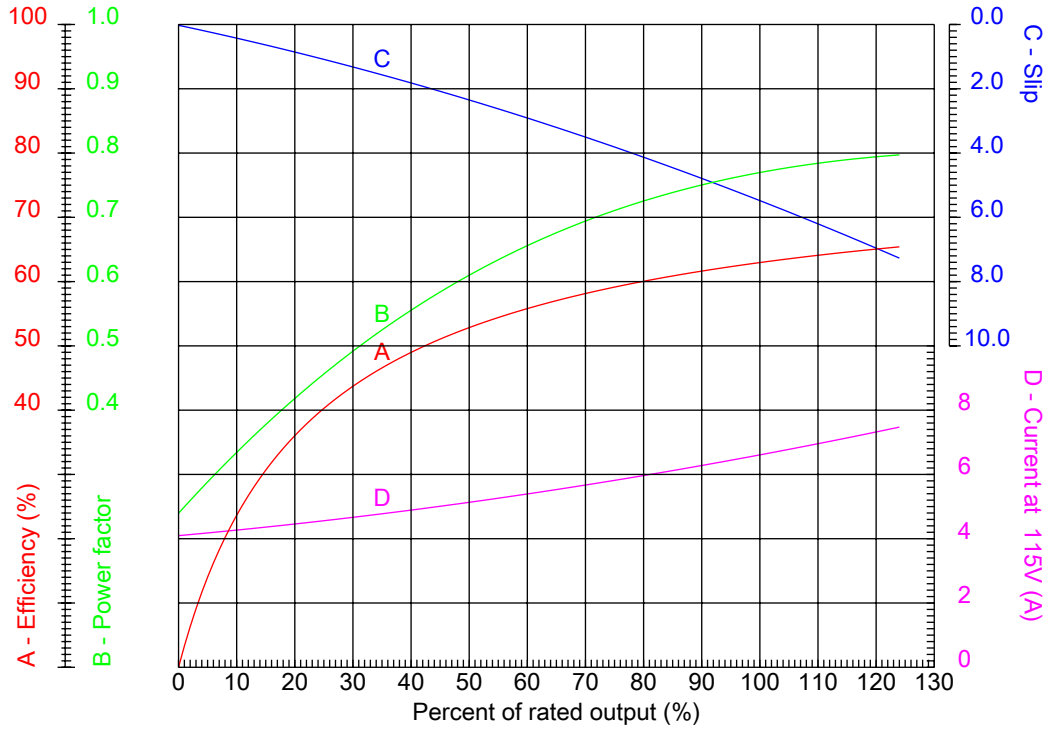
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor

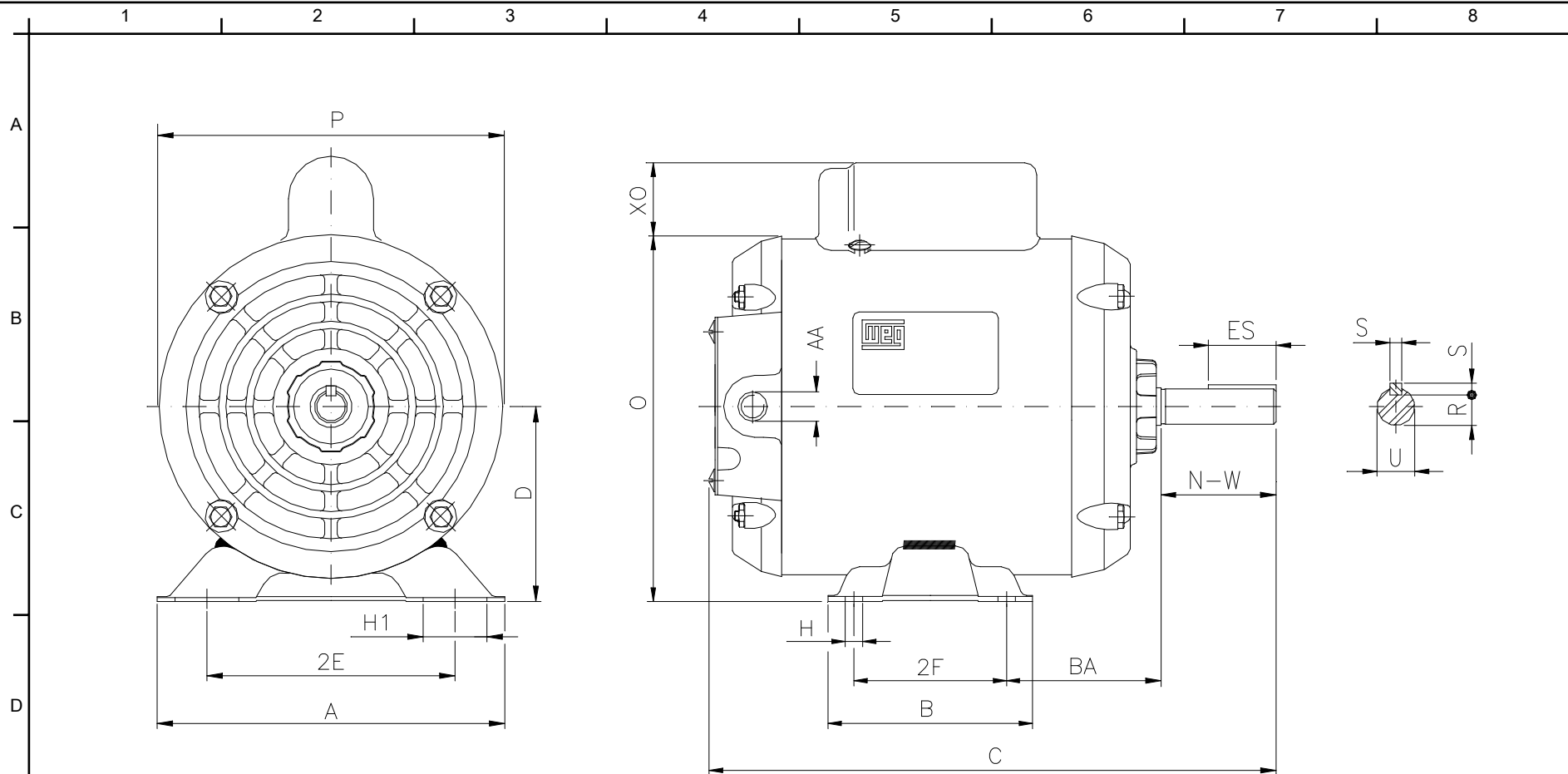


Customer :  
 Product line : Compressor Duty : Single-Phase - ODP

Frame : C56	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 4.6
Output : 0.5 HP	Duty cycle : COMPRESSOR
Frequency : 60 Hz	Service factor : 1.00 (1.00 at 208V)
Full load speed : 3400 rpm	Design : ---
Voltage : 115/208-230 V	Locked rotor torque : 250 %
Rated current : 6.60/3.50-3.30 A	Breakdown torque : 290 %
Insulation class : B	

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Customer:

Compressor Duty : Single-Phase - ODP

2E	2F	H	BA	A
4.874	3.000	0.342	2.748	6.535
B	C	D	J	O
4.016	10.551	3.500	1.220	6.378
P	ES	S	N-W	U
5.709	1.102	0.187	1.874	0.6250
R	AA			
0.517	NPT 1/2"			

Single-phase induction motor  
 Frame C56 - IP21

12-SEP-2016

