



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 - Split Phase

Catalog Number : .2518OS1BSPB48C

List Price : \$263

Notes:

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Generated for Model #.2518OS1BSPB48C

Performed by:

Checked:



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

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

Frame : B48  
 Output : 0.25 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1735 rpm  
 Slip : 3.61 %  
 Voltage : 115/208-230 V  
 Rated current : 4.80/2.30-2.40 A  
 Locked rotor current : 32.2/16.1 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
 No-load current : 4.10/2.05 A  
 Full load torque : 0.747 lb.ft  
 Locked rotor torque : 190 %  
 Breakdown torque : 270 %  
 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 : 21 lb  
 Moment of inertia : 0.03204 sq.ft.lb  
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.56	59.5
75%	0.48	55.0
50%	0.40	47.0

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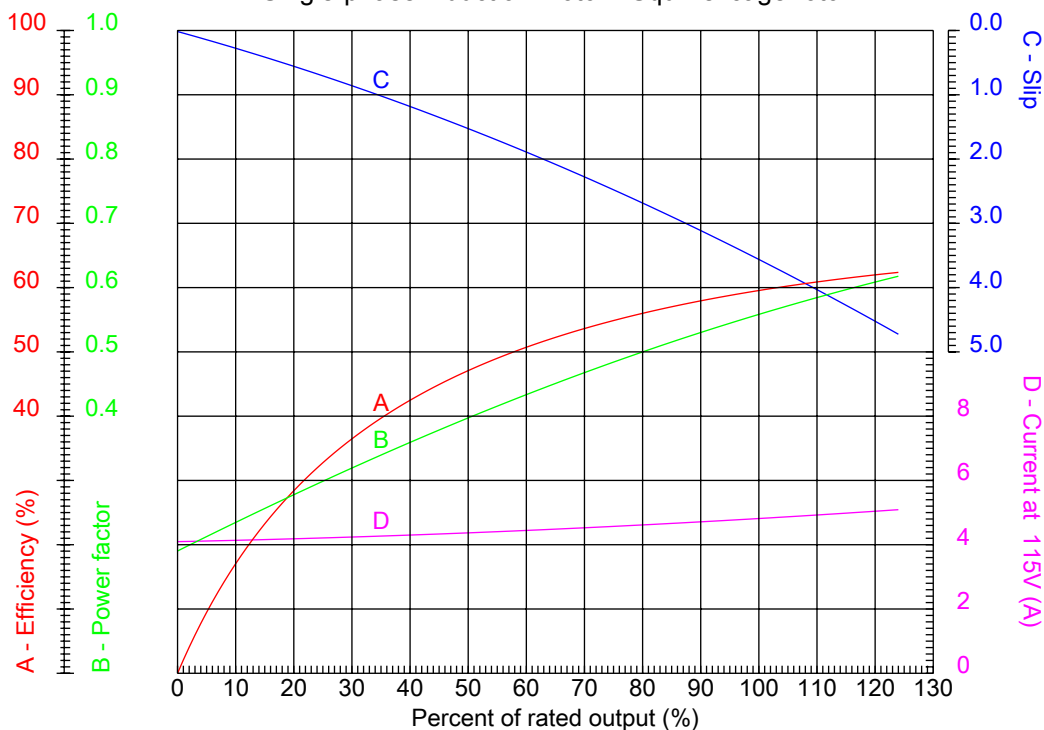
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



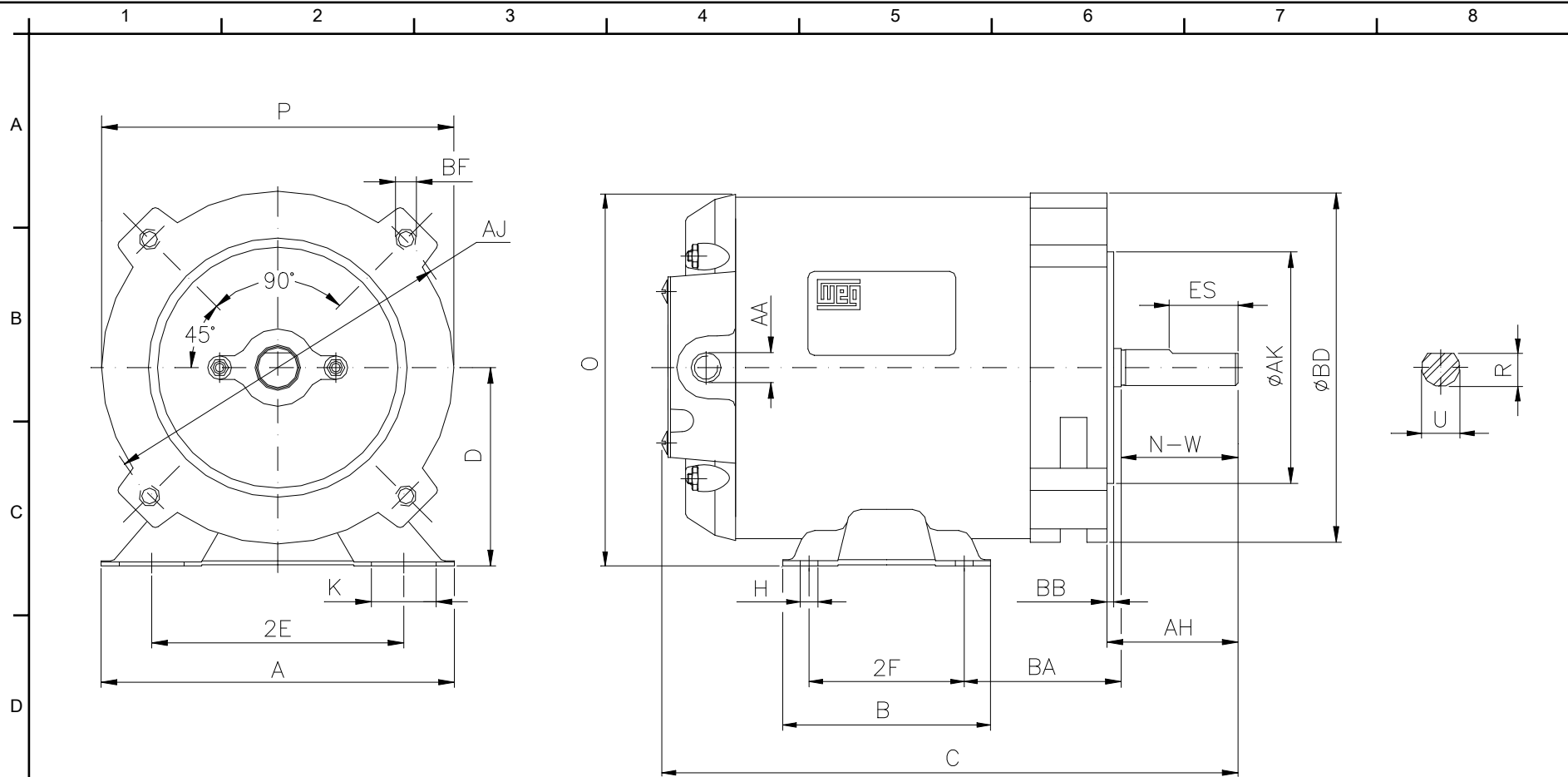
Customer :  
 Product line : Single-Phase : NEMA 48 & 56 ODP - Split Phase

Frame	: B48	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.7
Output	: 0.25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.35 (1.00 at 208V)
Full load speed	: 1735 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 190 %
Rated current	: 4.80/2.30-2.40 A	Breakdown torque	: 270 %
Insulation class	: B		

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Customer:

Single-Phase : NEMA 48 & 56 ODP - Split Phase

Single-phase induction motor  
 Frame B48 - IP21

12-SEP-2016



2E	2F	H	BA	A
4.236	2.748	0.342	2.500	6.142
B	C	D	G	J
3.543	9.370	3.000	3.04	1.220
O	P	ES	N-W	U
5.905	5.708	1.260	1.500	0.500
R	AA	Flange	AJ	AK
0.453	NPT 1/2"	FC-149	5.874	4.500
BD	BF	BB		
5.748	UNC 3/8"x16-2B	0.157		