



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 : .5018OS1BSPC48C

List Price : \$300

Notes:

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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 : C48
Output : 0.5 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1730 rpm
Slip : 3.89 %
Voltage : 115/208-230 V
Rated current : 8.00/4.00-4.00 A
Locked rotor current : 48.0/24.0 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 6.00/3.00 A
Full load torque : 1.50 lb.ft
Locked rotor torque : 130 %
Breakdown torque : 220 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.25 (1.00 at 208V)
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP21
Approximate weight : 26 lb
Moment of inertia : 0.04817 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6202 ZZ	100%	0.63	63.5
Regreasing interval	---	---	75%	0.54	61.0
Grease amount	---	---	50%	0.44	54.5

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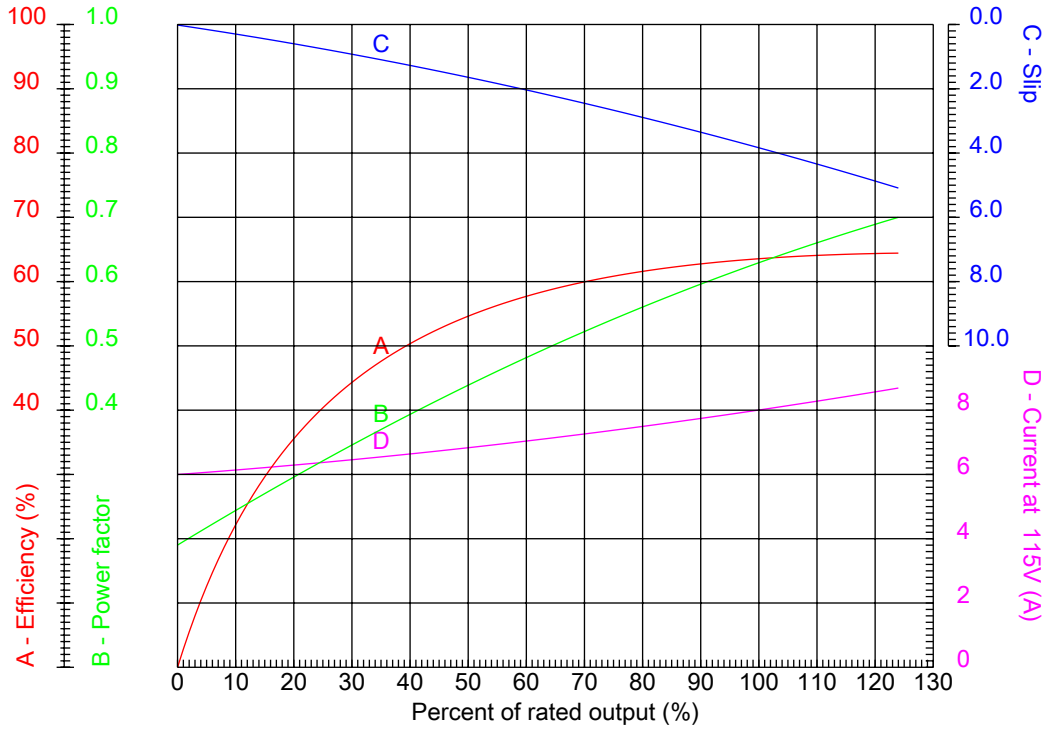
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



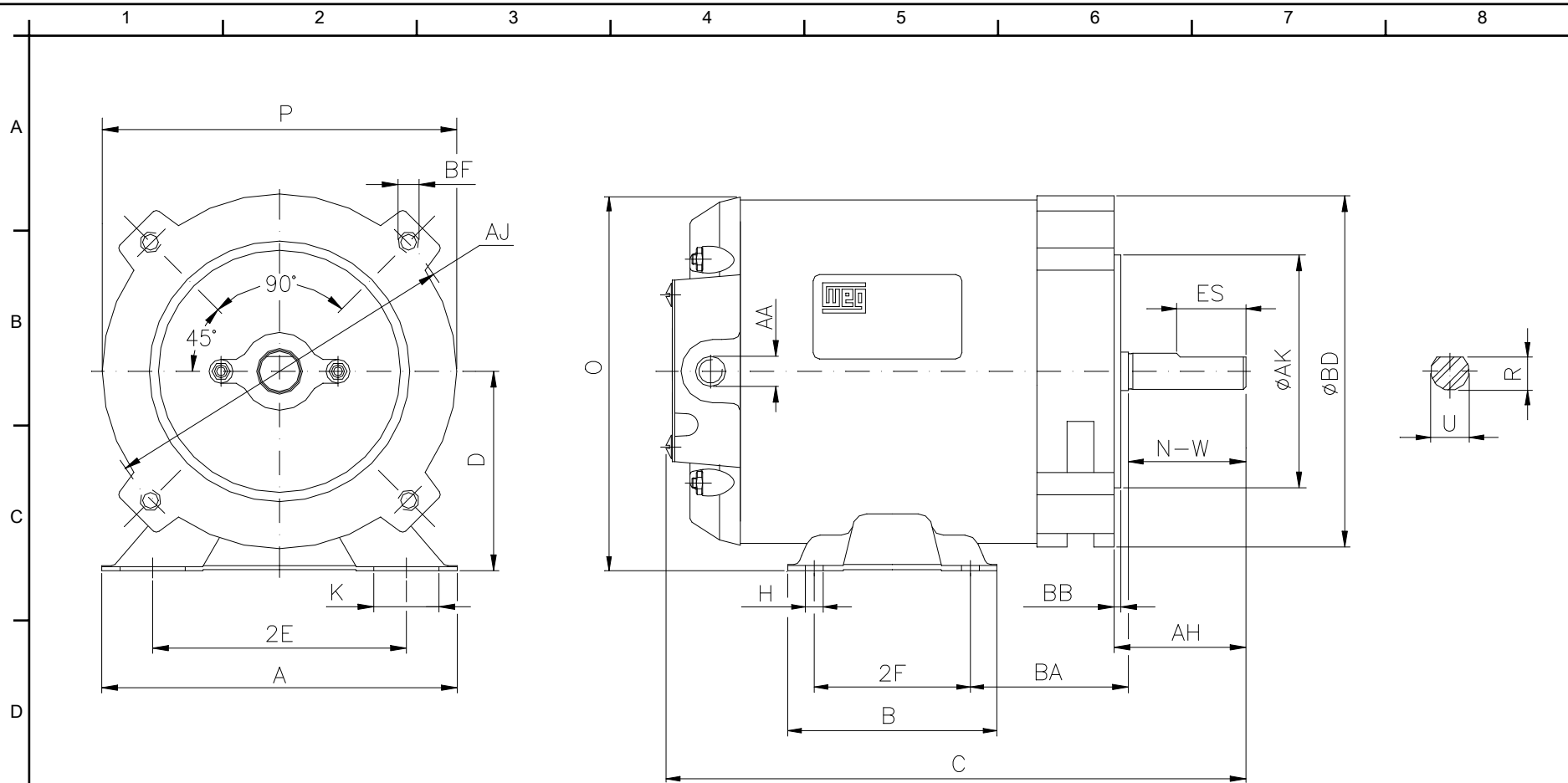
Customer :
 Product line : Single-Phase : NEMA 48 & 56 ODP - Split Phase

Frame : C48	Locked rotor current (I _L /I _n) : 6.0
Output : 0.5 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25 (1.00 at 208V)
Full load speed : 1730 rpm	Design : ---
Voltage : 115/208-230 V	Locked rotor torque : 130 %
Rated current : 8.00/4.00-4.00 A	Breakdown torque : 220 %
Insulation class : B	

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Customer:

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

Single-phase induction motor
 Frame C48 - 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	10.197	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		