	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	: .2536OS1B56C
List Price	: $241

Notes:

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Generated for Model #.2536OS1B56C

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	: 56
Output	: 0.25 HP
Frequency	: 60 Hz
Poles	: 2
Full load speed	: 3440 rpm
Slip	: 4.44 %
Voltage	: 115/208-230 V
Rated current	: 4.30/2.10-2.15 A
Locked rotor current	: 21.9/11.0 A
Locked rotor current (Il/In)	: 5.1
No-load current	: 3.10/1.55 A
Full load torque	: 0.377 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	: 18 lb
Moment of inertia	: 0.01495 sq.ft.lb
Noise level	: ---

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

Load	Power factor	Efficiency (%)
100%	0.68	54.7
75%	0.64	50.5
50%	0.56	42.0

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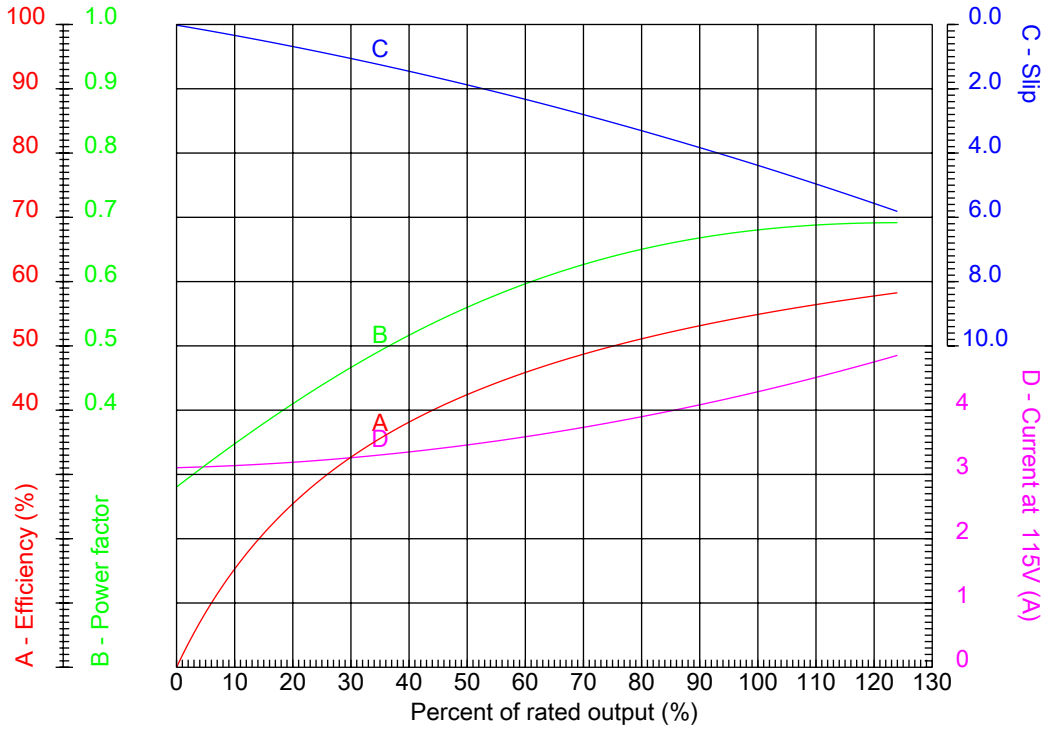
Dealers Industrial Equipment

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	: 56	Locked rotor current (Il/In)	: 5.1
Output	: 0.25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.35 (1.00 at 208V)
Full load speed	: 3440 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 350 %
Rated current	: 4.30/2.10-2.15 A	Breakdown torque	: 280 %
Insulation class	: B		

Notes:
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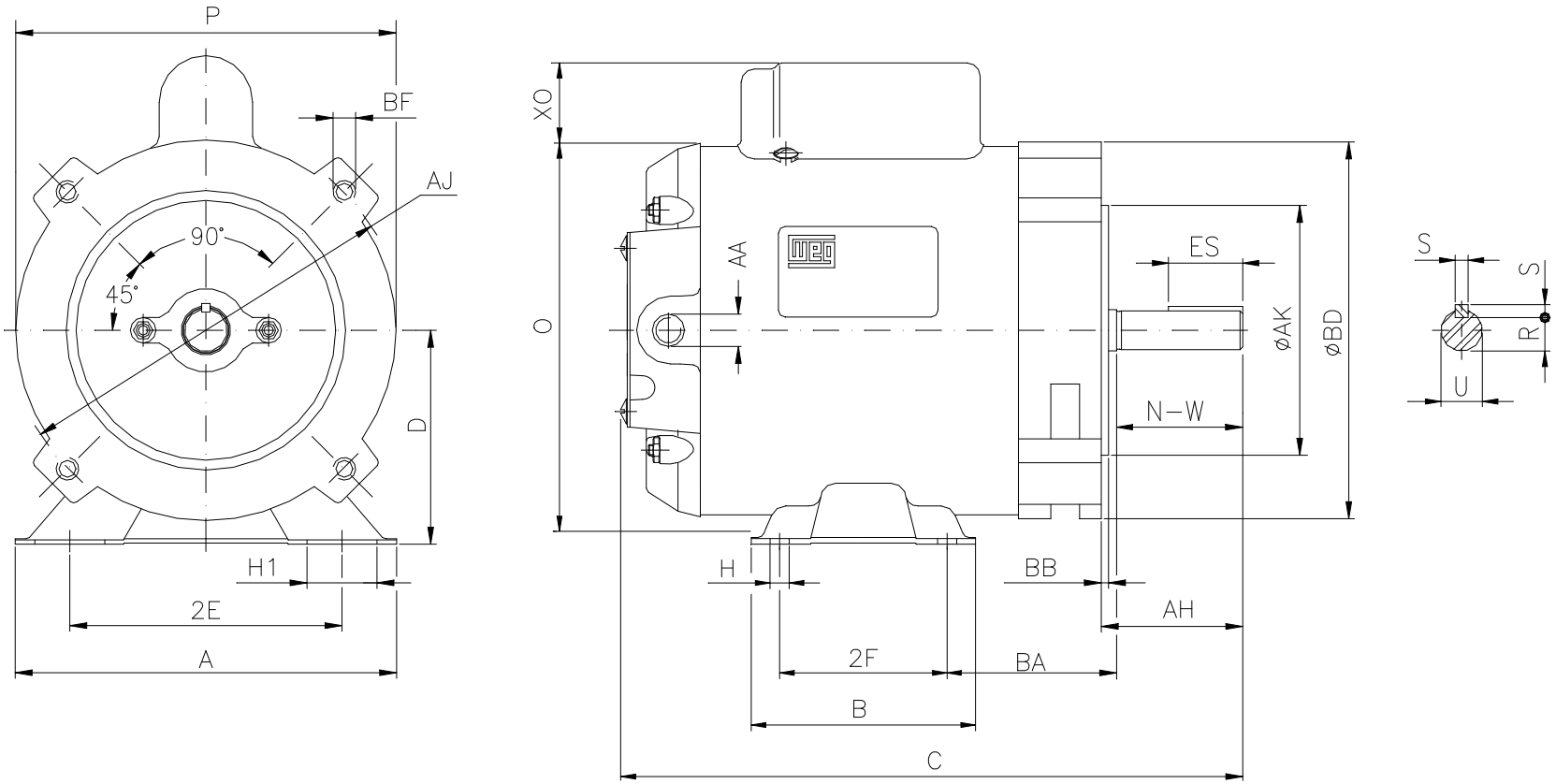
Performed by	Checked



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Performed by:

Checked:

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 9.646	D 3.500	O 6.378
XO 0.000	P 5.709	ES 1.102	S 0.187	N-W 1.874
U 0.6250	R 0.517	AA NPT 1/2"	d1 A 4	AH 2.063
Flange FC-149	AJ 5.874	AK 4.500	BD 5.748	BF UNC 3/8"x16-2B
BB 0.157				

Single-phase induction motor

Frame 56 - IP21

12-SEP-2016