



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 : 00236OS1BF56C

List Price : \$432

Notes:

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No.:

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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 : F56H
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3525 rpm
 Slip : 2.08 %
 Voltage : 115/208-230 V
 Rated current : 21.9/11.3-11.0 A
 Locked rotor current : 175/87.6 A
 Locked rotor current (I_L/I_n) : 8.0
 No-load current : 14.0/7.00 A
 Full load torque : 2.94 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 280 %
 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 : 42 lb
 Moment of inertia : 0.06644 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6203 ZZ	100%	0.75	77.9
Regreasing interval	---	---	75%	0.67	76.2
Grease amount	---	---	50%	0.59	71.1

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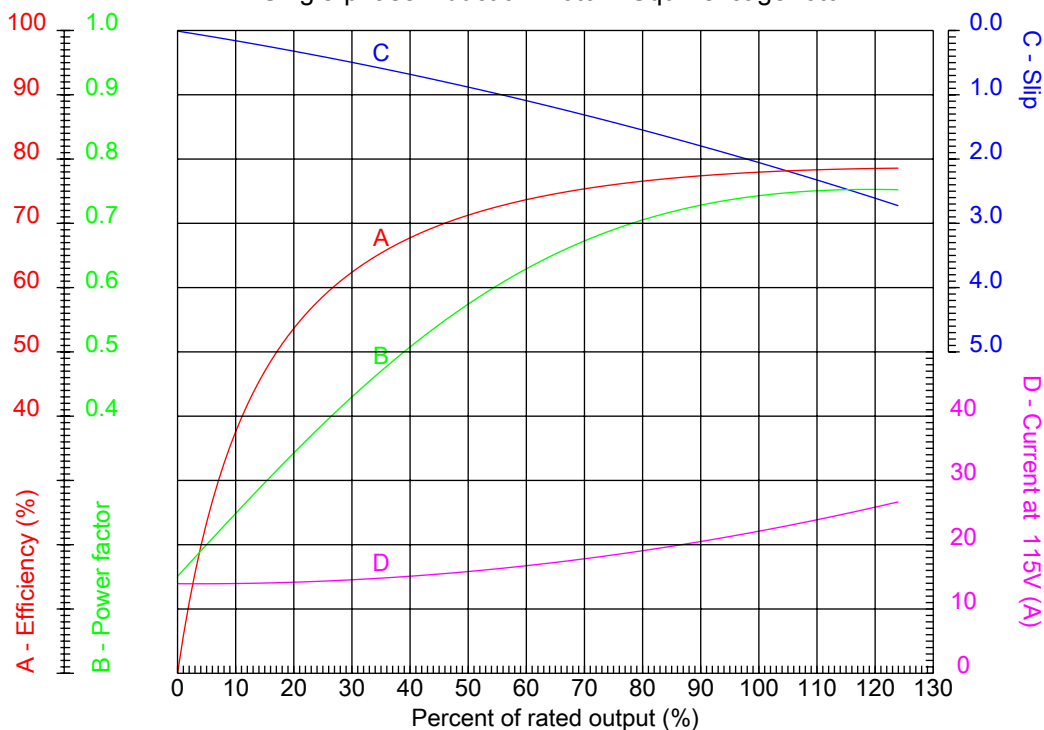


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PERFORMANCE CURVES RELATED TO RATED OUTPUT Single-phase induction motor - Squirrel cage rotor



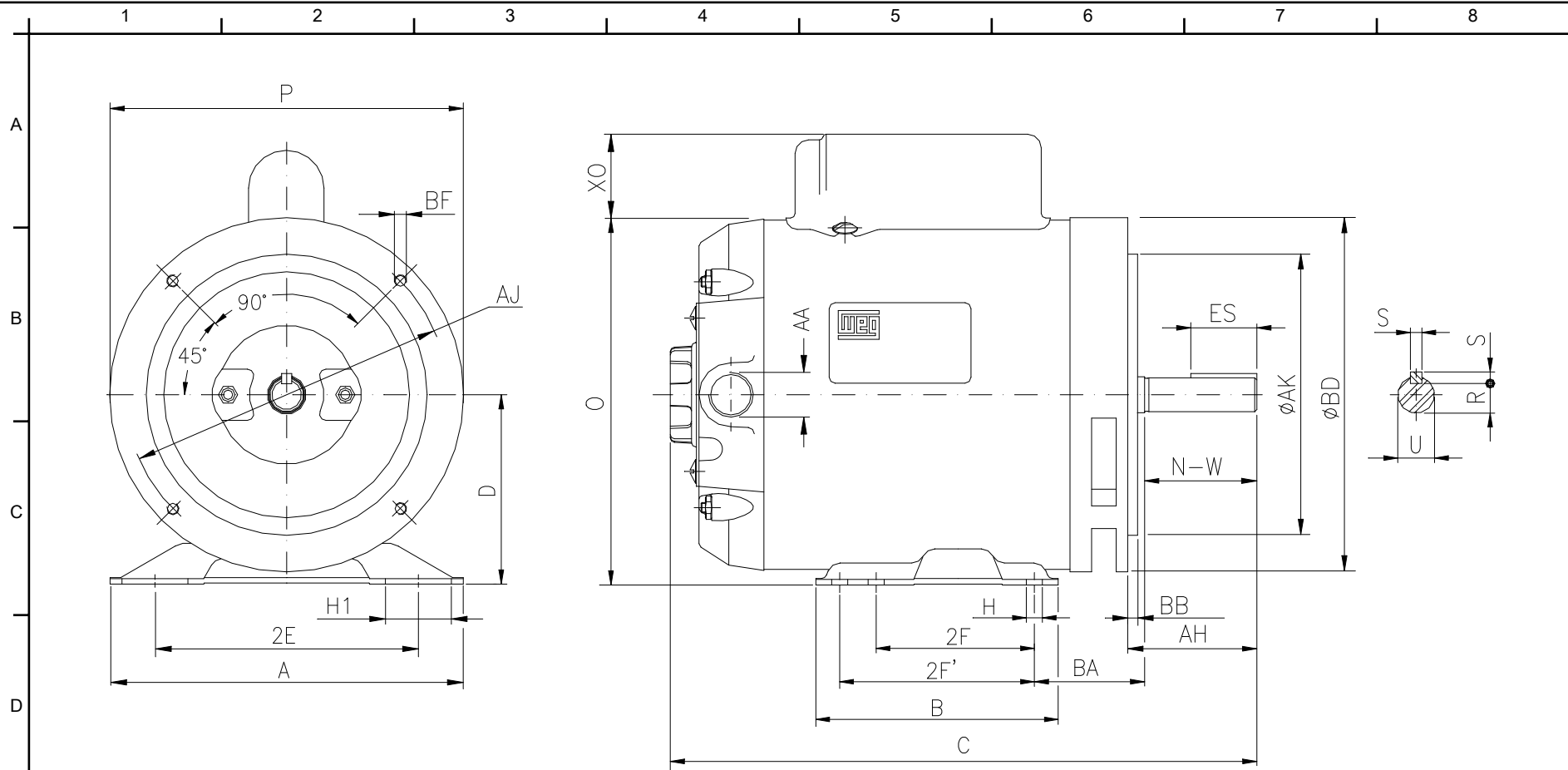
Customer :
Product line : Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

Frame	: F56H	Locked rotor current (I _l /I _n)	: 8.0
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 3525 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 250 %
Rated current	: 21.9/11.3-11.0 A	Breakdown torque	: 280 %
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 6.496	C 13.464	D 3.500	O 6.732
	XO 0.000	P 6.457	ES 1.102	S 0.187	N-W 1.874
F	U 0.6250	R 0.517	AA NPT 1/2"	d1 A 3.15	AH 2.063
	Flange FC-149	AJ 5.874	AK 4.500	BD 6.500	BF UNC 3/8"x16-2B
	BB 0.157				

Single-phase induction motor
 Frame F56H - IP21

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