



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 : 00336OS1BCDF56

List Price : \$432

Notes:

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Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

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

Frame : F56H
Output : 3 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3440 rpm
Slip : 4.44 %
Voltage : 115/208-230 V
Rated current : 29.4/16.2-14.7 A
Locked rotor current : 176/88.2 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 13.0/6.50 A
Full load torque : 4.52 lb.ft
Locked rotor torque : 180 %
Breakdown torque : 190 %
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 : 42 lb
Moment of inertia : 0.06644 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6204 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.86	77.0
75%	0.80	77.0
50%	0.70	76.0

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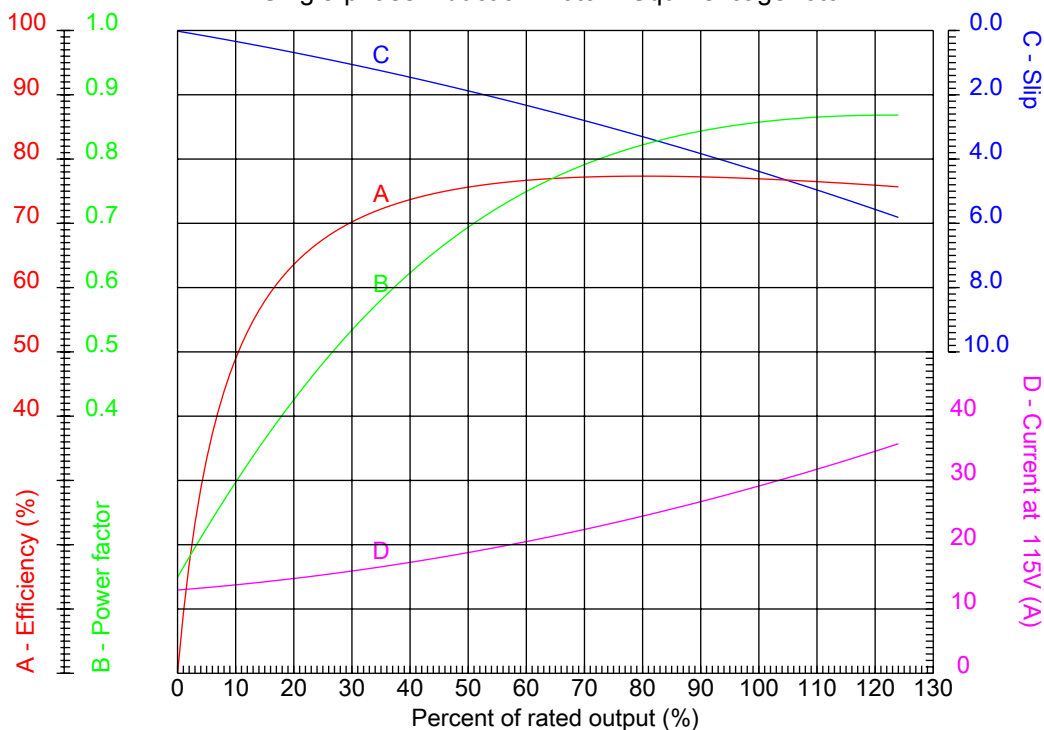
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



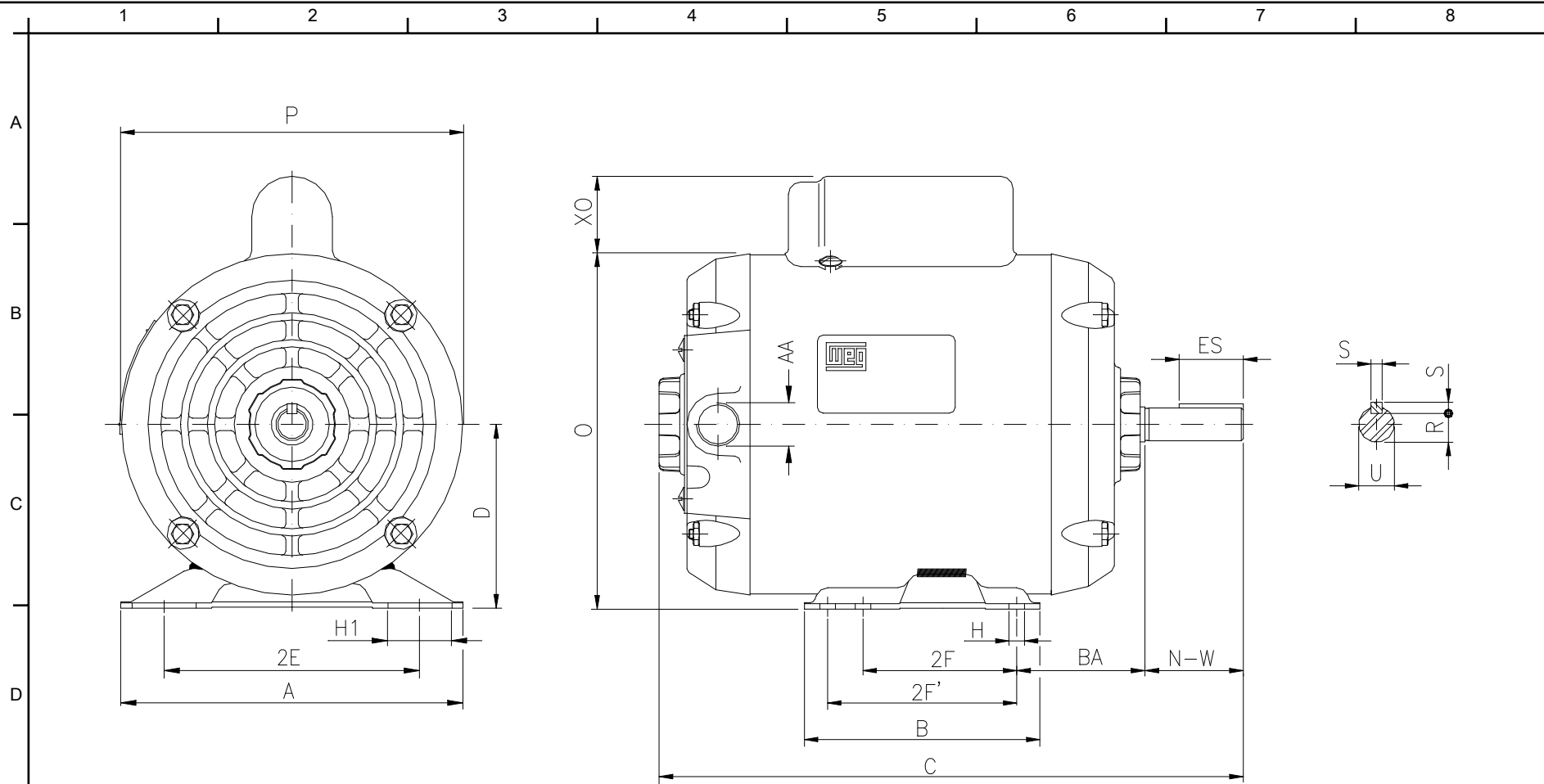
Customer :
 Product line : Compressor Duty : Single-Phase - ODP

Frame	: F56H	Locked rotor current (I _l /I _n)	: 6.0
Output	: 3 HP	Duty cycle	: COMPRESSOR
Frequency	: 60 Hz	Service factor	: 1.00 (1.00 at 208V)
Full load speed	: 3440 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 180 %
Rated current	: 29.4/16.2-14.7 A	Breakdown torque	: 190 %
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	G	J
6.496	13.464	3.500	3.04	1.220
K	O	P	ES	S
5.000	6.772	6.496	1.102	0.187
N-W	U	R	AA	
1.874	0.6250	0.517	NPT 1/2"	

Single-phase induction motor
 Frame F56H - IP21

12-SEP-2016

