



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Catalog Number : 00118ES1B56-S

List Price : \$401

Notes:

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Generated for Model #00118ES1B56-S

Performed by:

Checked:



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

Customer :  
 Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame : 56  
 Output : 1 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1745 rpm  
 Slip : 3.06 %  
 Voltage : 115/208-230 V  
 Rated current : 13.6/7.52-6.80 A  
 Locked rotor current : 91.1/45.6 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
 No-load current : 9.60/4.80 A  
 Full load torque : 2.97 lb.ft  
 Locked rotor torque : 280 %  
 Breakdown torque : 270 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 8 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 33 lb  
 Moment of inertia : 0.10370 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6204 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.68	71.0
75%	0.60	68.0
50%	0.48	62.0

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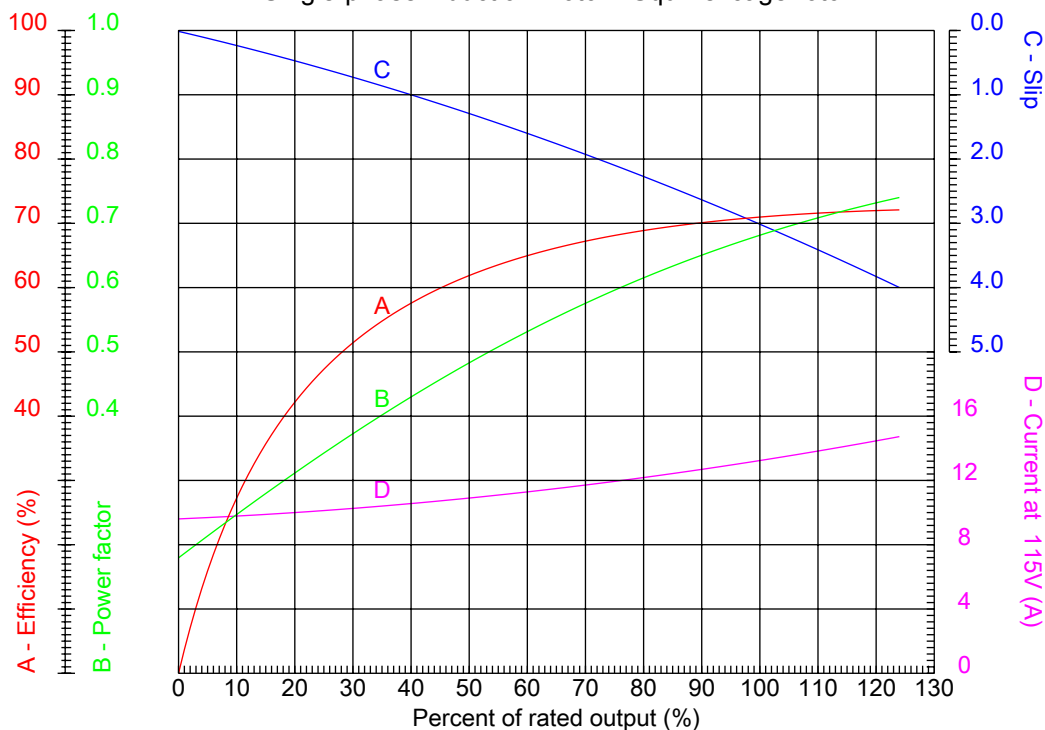


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## PERFORMANCE CURVES RELATED TO RATED OUTPUT Single-phase induction motor - Squirrel cage rotor



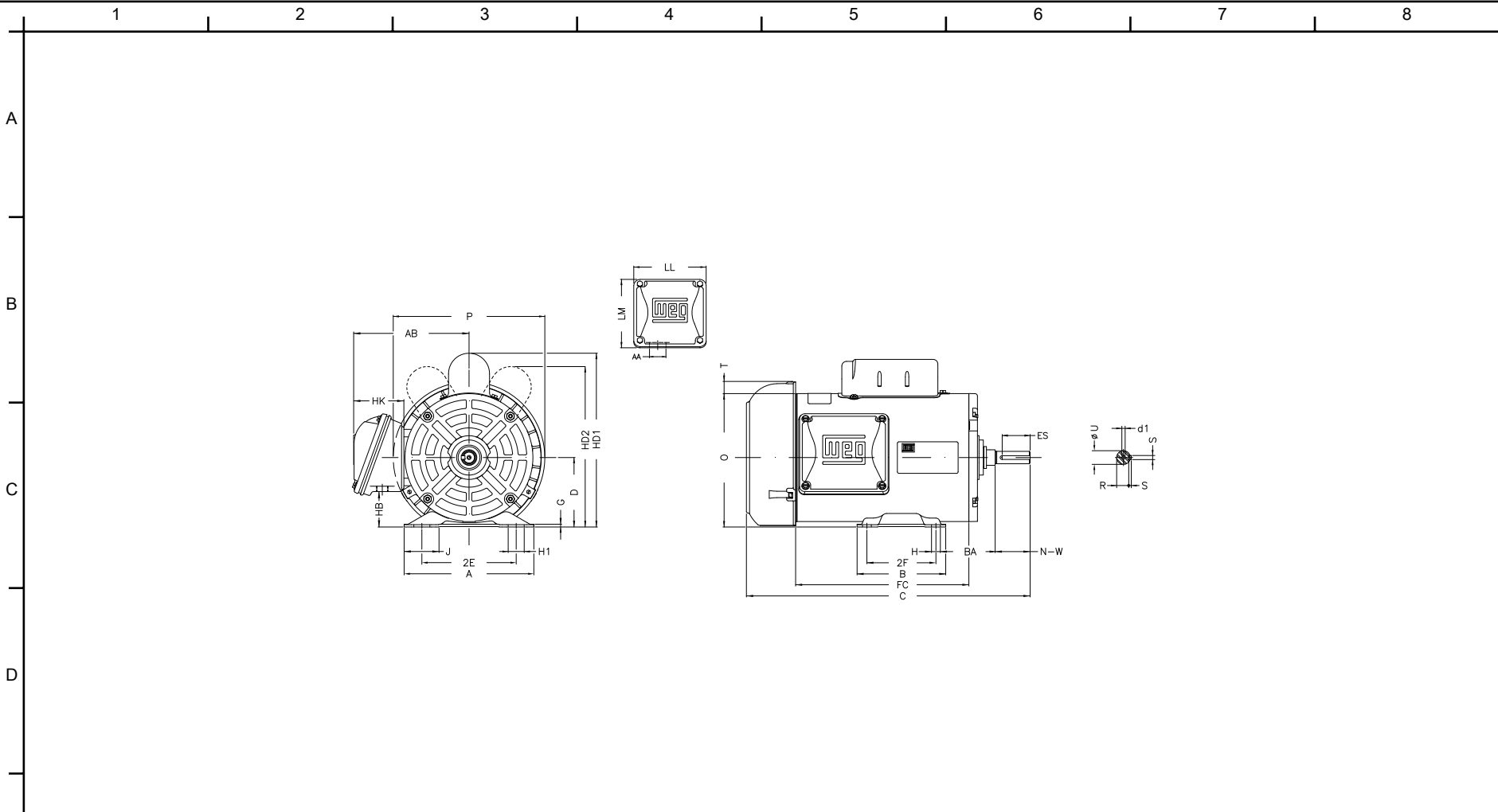
Customer :  
 Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame	: 56	Locked rotor current (I <sub>L</sub> /I <sub>n</sub> )	: 6.7
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1745 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 280 %
Rated current	: 13.6/7.52-6.80 A	Breakdown torque	: 270 %
Insulation class	: F		

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P	AB	J	2E	A
7.638	5.882	1.732	4.874	6.535
H	G	HB	HK	XO
0.343	0.120	1.783	2.638	0.603
O	FC	2F	B	C
6.724	8.268	3.000	4.016	13.902
BA	N-W	ES	d1	S
2.750	1.874	1.417	A 3.15	0.187
U	AA	depth	R	LL
0.625	0.881"	0.187	0.517	4.543
LM	BB	D	CH	HD'
4.106	0.603	3.500	1.377	8.622
HC1				
5.122				

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Customer:	
Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency	
Single-phase induction motor	12-SEP-2016
Frame 56 - IP55	