



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

## Single-phase induction motor - Squirrel cage rotor

Product line : Jet Pump - NEMA 56 : Single-Phase - Keyed - TEFC (IP55)

Catalog Number : 00336ES1DJP56C

List Price : \$548

Notes:

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Checked:



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

Customer :  
 Product line : Jet Pump - NEMA 56 : Single-Phase - Keyed - TEFC (IP55)

Frame : G56H  
 Output : 3 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3480 rpm  
 Slip : 3.33 %  
 Voltage : 230 V  
 Rated current : 13.0 A  
 Locked rotor current : 101 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.8  
 No-load current : 4.50 A  
 Full load torque : 4.47 lb.ft  
 Locked rotor torque : 250 %  
 Breakdown torque : 250 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 105 K  
 Locked rotor time : 6 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 53 lb  
 Moment of inertia : 0.09492 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6204 2RS	6203 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.93	80.0
75%	0.90	79.0
50%	0.82	75.0

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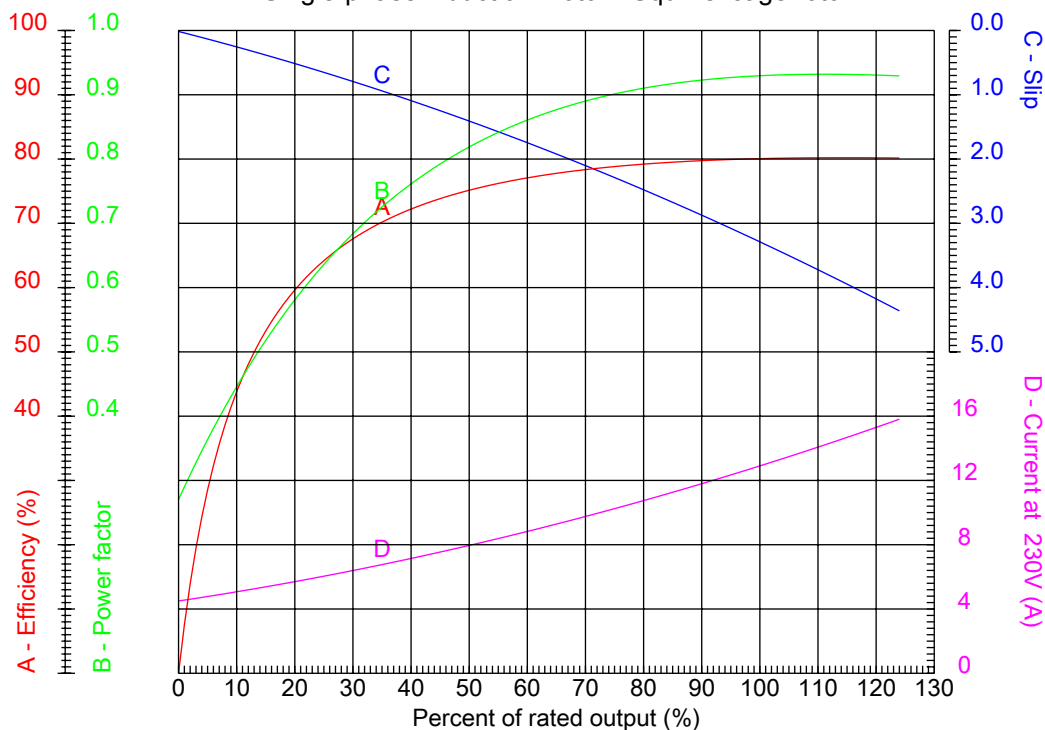
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



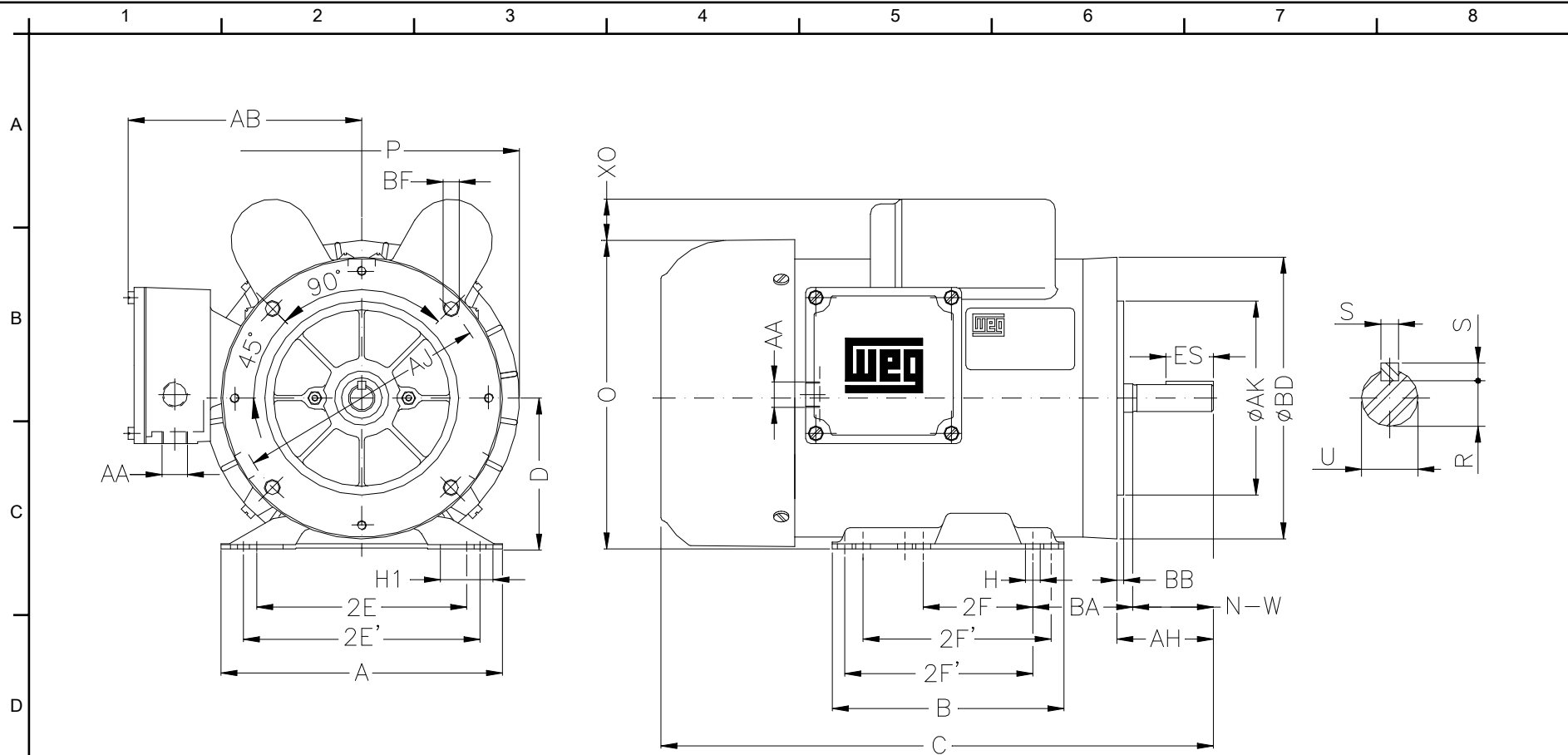
Customer :  
Product line : Jet Pump - NEMA 56 : Single-Phase - Keyed - TEFC (IP55)

Frame : G56H	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 7.8
Output : 3 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 3480 rpm	Design : ---
Voltage : 230 V	Locked rotor torque : 250 %
Rated current : 13.0 A	Breakdown torque : 250 %
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Customer:

Jet Pump - NEMA 56 : Single-Phase - Keyed - TEFC (IP55)

Single-phase induction motor  
 Frame G56H - IP55

12-SEP-2016



2E	2F	H	BA	A
4.874	3.000	0.342	2.750	6.535
B	P	D	J	K
6.496	7.323	3.500	1.220	5.000
C	O	ES	N-W	U
13.858	7.165	1.417	1.874	0.6250
S	R	AB	AA	d1
0.187	0.517	5.433	NPT 1/2"	D UNF 1/4"-28
XO	Flange	AJ	AK	BD
1.063	FC-149	5.874	4.500	6.535
BF	BB	AH		
UNC 3/8"x16-2B	0.157	2.063		