



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - TEFC - Standard  
Efficiency  
Catalog Number : .5036ES3EJP56J-S  
List Price : \$267

Notes:  
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Generated for Model #.5036ES3EJP56J-S

Performed by:

Checked:



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No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - TEFC - Standard Efficiency

Frame : 56J  
 Output : 0.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3500 rpm  
 Slip : 2.78 %  
 Voltage : 208-230/460 V  
 Rated current : 1.86-1.69/0.843 A  
 Locked rotor current : 11.8/5.90 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
 No-load current : 0.900/0.450 A  
 Full load torque : 0.740 lb.ft  
 Locked rotor torque : 260 %  
 Breakdown torque : 300 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 35 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 19 lb  
 Moment of inertia : 0.04532 sq.ft.lb  
 Noise level : 68 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.81	68.0
75%	0.75	62.0
50%	0.67	55.0

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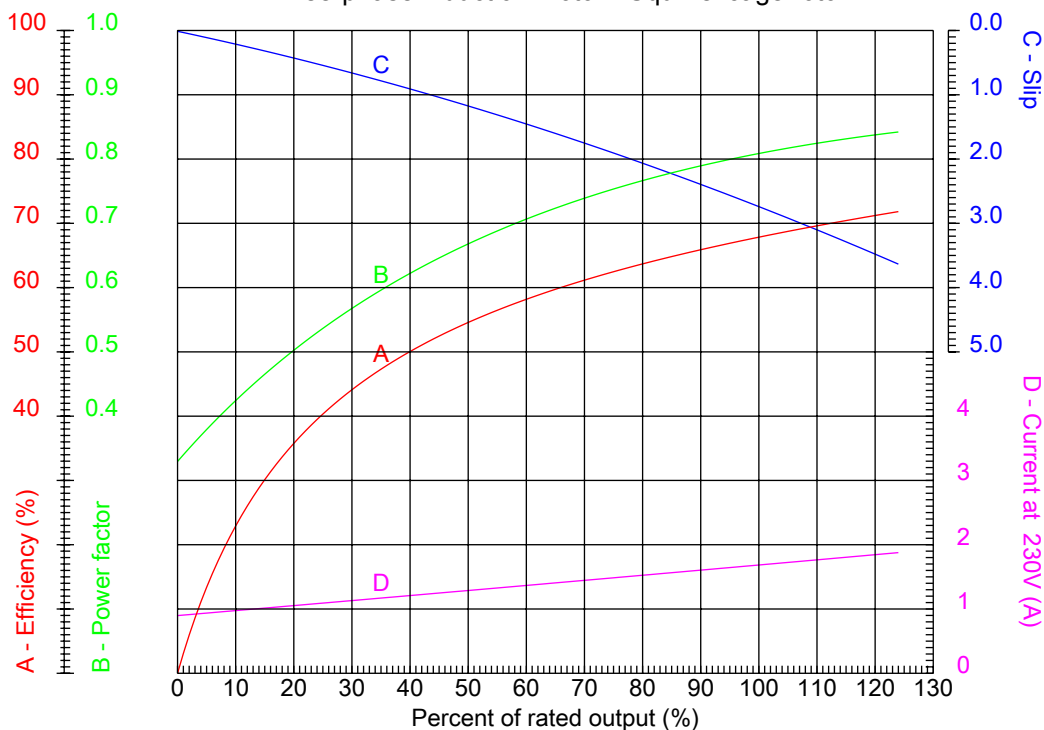
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - TEFC - Standard Efficiency

Frame	: 56J	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.0
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3500 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 260 %
Rated current	: 1.86-1.69/0.843 A	Breakdown torque	: 300 %
Insulation class	: F		

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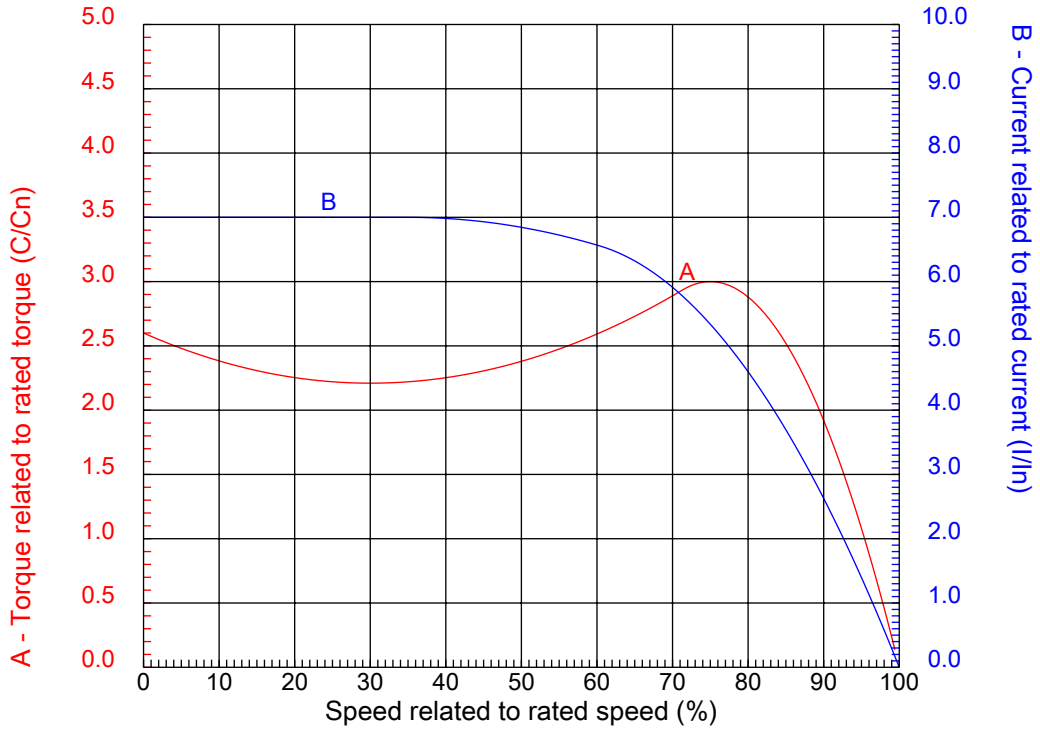
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No.:

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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - TEFC - Standard Efficiency

Frame	: 56J	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.0
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3500 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 260 %
Rated current	: 1.86-1.69/0.843 A	Breakdown torque	: 300 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

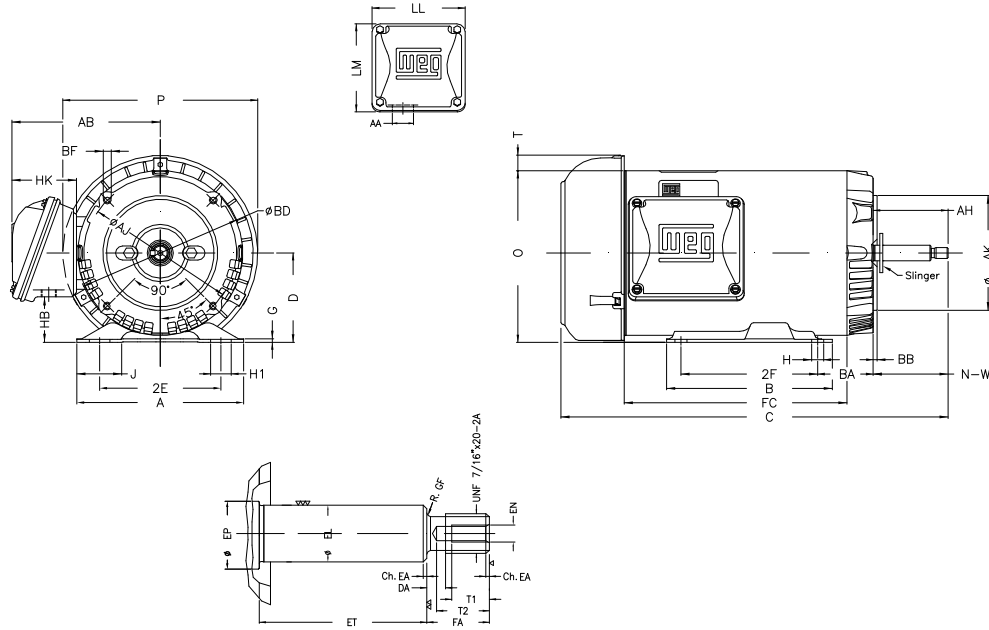
B

C

D

E

F



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Customer:

Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - TEFC - Standard

Three-phase induction motor  
Frame 56J - IP55

12-SEP-2016



2E 4.874	J 1.732	A 6.535	P 7.638	AB 5.882
2F 3.000	B 4.016	BA 2.559	D 3.500	G 0.120
O 6.724	T 0.603	H 0.343	AA 0.881"	ET 1.874
U 0.625	EL 0.625	EP 0.665	t1 0.472	t2 0.590
C 12.047	FC 5.906	Flange FC-149	AJ 5.874	AK 4.500
BD 6.450	BF UNC 3/8"x16-2B	BB 0.157	AH 2.562	