



# 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) - Keyed - ODP - Standard Efficiency

Catalog Number : 00236OS3HJPR56C-S

List Price : \$311

#### Notes:

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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) - Keyed - ODP - Standard Efficiency

Frame : 56HC  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3470 rpm  
 Slip : 3.61 %  
 Voltage : 575 V  
 Rated current : 2.26 A  
 Locked rotor current : 15.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
 No-load current : 1.04 A  
 Full load torque : 2.99 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 250 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 10 s (hot)  
 Service factor : 1.20  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 26 lb  
 Moment of inertia : 0.07736 sq.ft.lb  
 Noise level : 62 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.85	78.5
75%	0.79	78.5
50%	0.66	77.0

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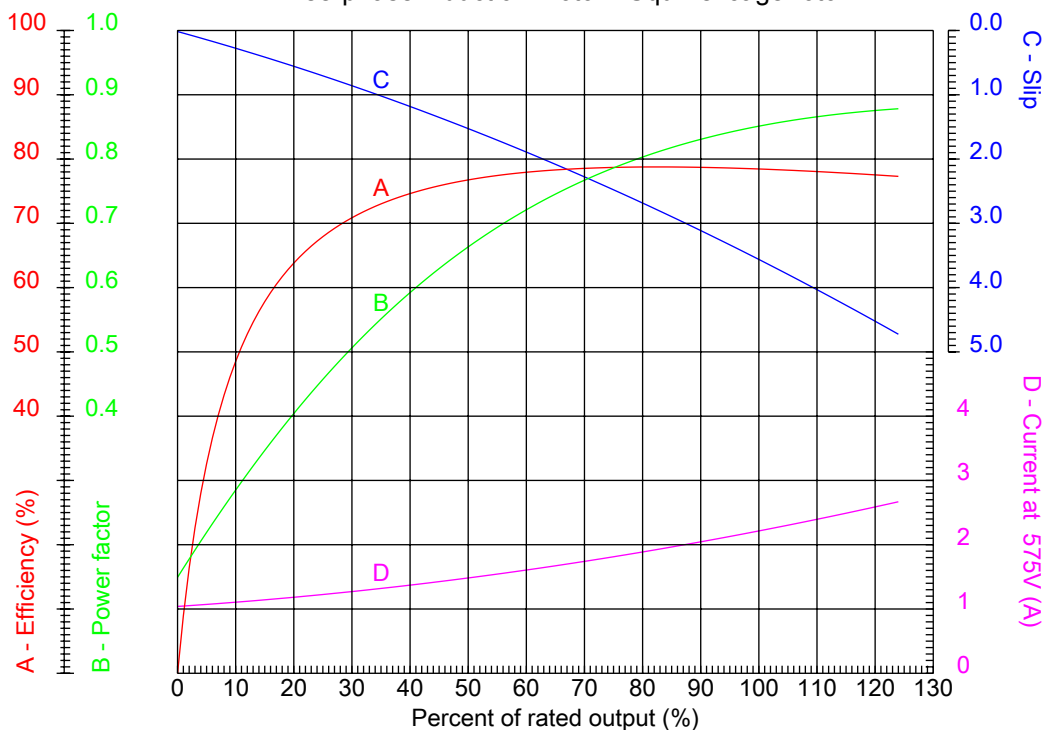
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 56HC	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 7.0
Output : 2 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.20
Full load speed : 3470 rpm	Design : A
Voltage : 575 V	Locked rotor torque : 230 %
Rated current : 2.26 A	Breakdown torque : 250 %
Insulation class : F	

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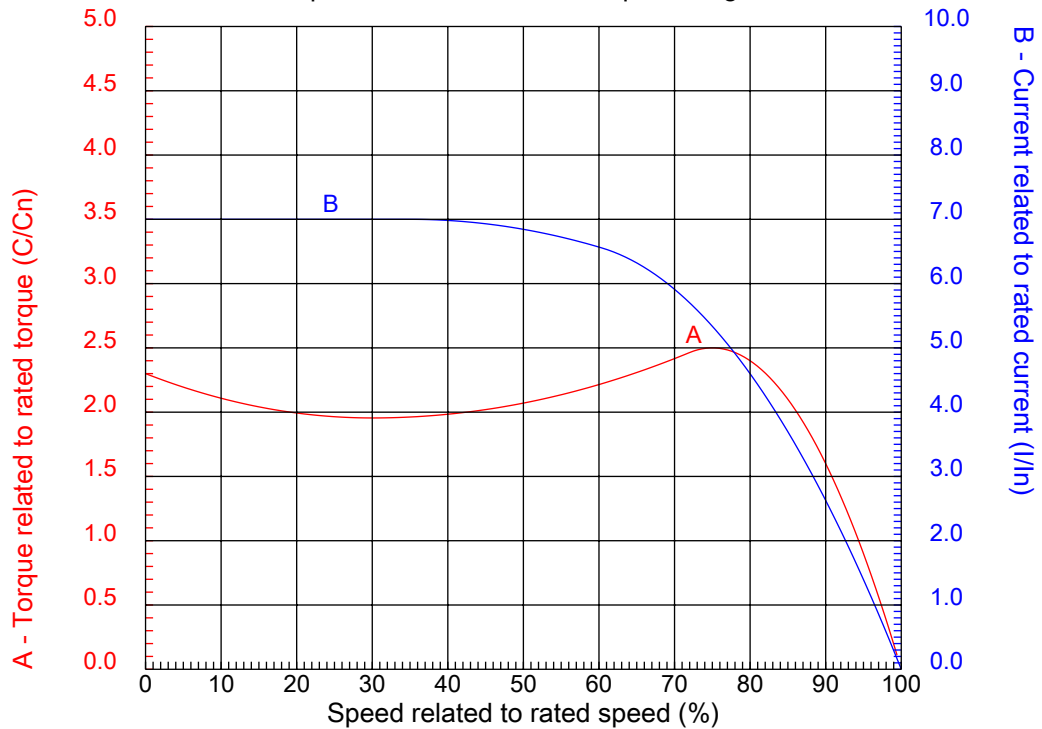
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 56HC	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.0
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.20
Full load speed	: 3470 rpm	Design	: A
Voltage	: 575 V	Locked rotor torque	: 230 %
Rated current	: 2.26 A	Breakdown torque	: 250 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

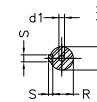
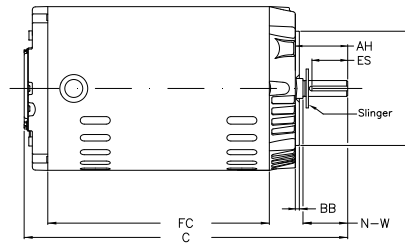
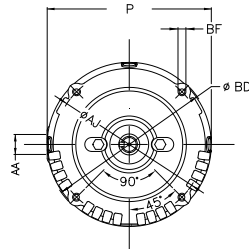
B

C

D

E

F



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Customer:

Jet Pump: Three-Phase - W01 (Rolled Steel) - Keyed - ODP - Standard Efficiency

P	AB	AA	U	ES
6.456	5.882	NPT 1/2"	0.625	1.417
C	FC	Flange	AJ	AK
11.496	7.480	FC-149	5.874	4.500
BD	BF	BB	AH	
6.450	UNC 3/8"x16-2B	0.157	2.062	

Three-phase induction motor  
Frame 56HC - ODP

12-SEP-2016

