



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

## TECHNICAL PROPOSAL

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

Product line : Jet Pump - NEMA 56 : Three-Phase - Threaded - TEFC (IP55)

Catalog Number : .7536ES3EJP56J

List Price : \$301

#### Notes:

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Generated for Model #.7536ES3EJP56J

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

Customer :  
 Product line : Jet Pump - NEMA 56 : Three-Phase - Threaded - TEFC (IP55)

Frame : B56J  
 Output : 0.75 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3470 rpm  
 Slip : 3.61 %  
 Voltage : 208-230/460 V  
 Rated current : 2.40-2.30/1.15 A  
 Locked rotor current : 17.7/8.86 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.7  
 No-load current : 1.30/0.650 A  
 Full load torque : 1.12 lb.ft  
 Locked rotor torque : 380 %  
 Breakdown torque : 400 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 10 s (hot)  
 Service factor : 1.15 (1.00 at 208V)  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 26 lb  
 Moment of inertia : 0.03560 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6203 2RS	6202 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.81	76.0
75%	0.72	74.0
50%	0.60	68.0

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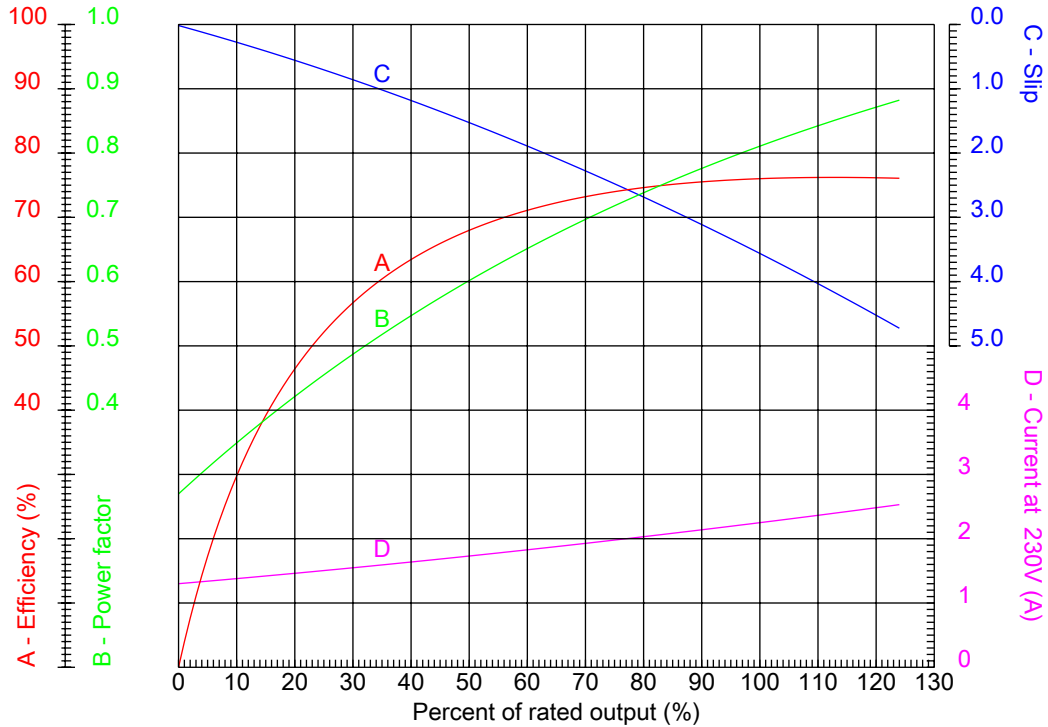
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : Jet Pump - NEMA 56 : Three-Phase - Threaded - TEFC (IP55)

Frame : B56J	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 7.7
Output : 0.75 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15 (1.00 at 208V)
Full load speed : 3470 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 380 %
Rated current : 2.40-2.30/1.15 A	Breakdown torque : 400 %
Insulation class : F	

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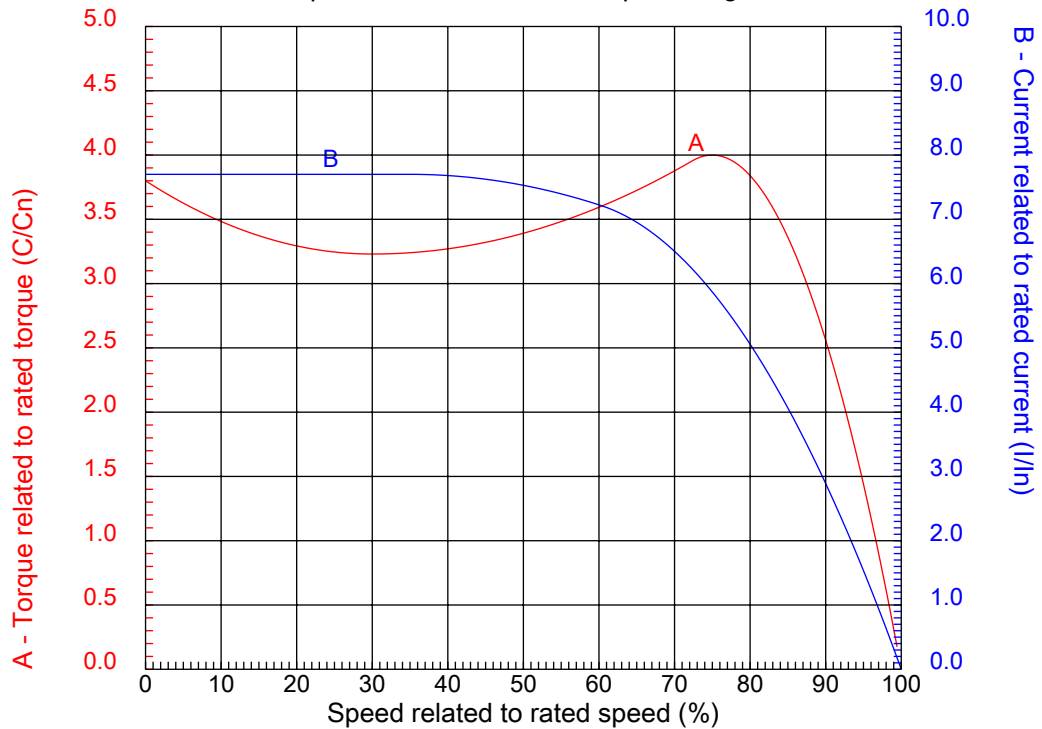
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Jet Pump - NEMA 56 : Three-Phase - Threaded - TEFC (IP55)

Frame	: B56J	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.7
Output	: 0.75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 3470 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 380 %
Rated current	: 2.40-2.30/1.15 A	Breakdown torque	: 400 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

### LOW VOLTAGE

### HIGH VOLTAGE

B



C

L1 L2 L3

L1 L2 L3



D

E

F

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Customer:

Jet Pump - NEMA 56 : Three-Phase - Threaded - TEFC (IP55)

Three-phase induction motor  
 Frame B56J - IP55

12-SEP-2016

