



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

## TECHNICAL PROPOSAL

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

Product line : Three-Phase : NEMA 56 Frames - TEFC

Catalog Number : .7512ES3ED56C

List Price : \$449

#### Notes:

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### DATA SHEET

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

Customer :  
 Product line : Three-Phase : NEMA 56 Frames - TEFC

Frame : D56  
 Output : 0.75 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1160 rpm  
 Slip : 3.33 %  
 Voltage : 208-230/460 V  
 Rated current : 2.88-2.95/1.48 A  
 Locked rotor current : 17.4/8.70 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.9  
 No-load current : 2.25/1.13 A  
 Full load torque : 3.35 lb.ft  
 Locked rotor torque : 300 %  
 Breakdown torque : 350 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 15 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 : 35 lb  
 Moment of inertia : 0.14214 sq.ft.lb  
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.58	81.5
75%	0.49	80.0
50%	0.38	75.5

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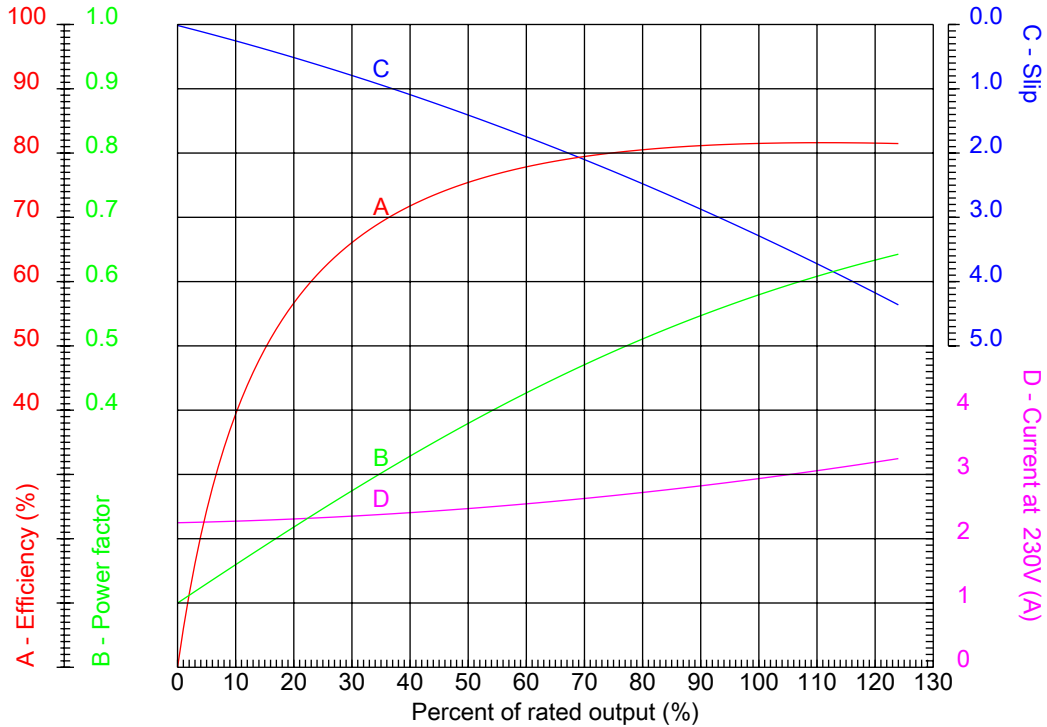
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Three-Phase : NEMA 56 Frames - TEFC

Frame : D56	Locked rotor current (I <sub>L</sub> /I <sub>n</sub> ) : 5.9
Output : 0.75 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15 (1.00 at 208V)
Full load speed : 1160 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 300 %
Rated current : 2.88-2.95/1.48 A	Breakdown torque : 350 %
Insulation class : F	

Notes:  
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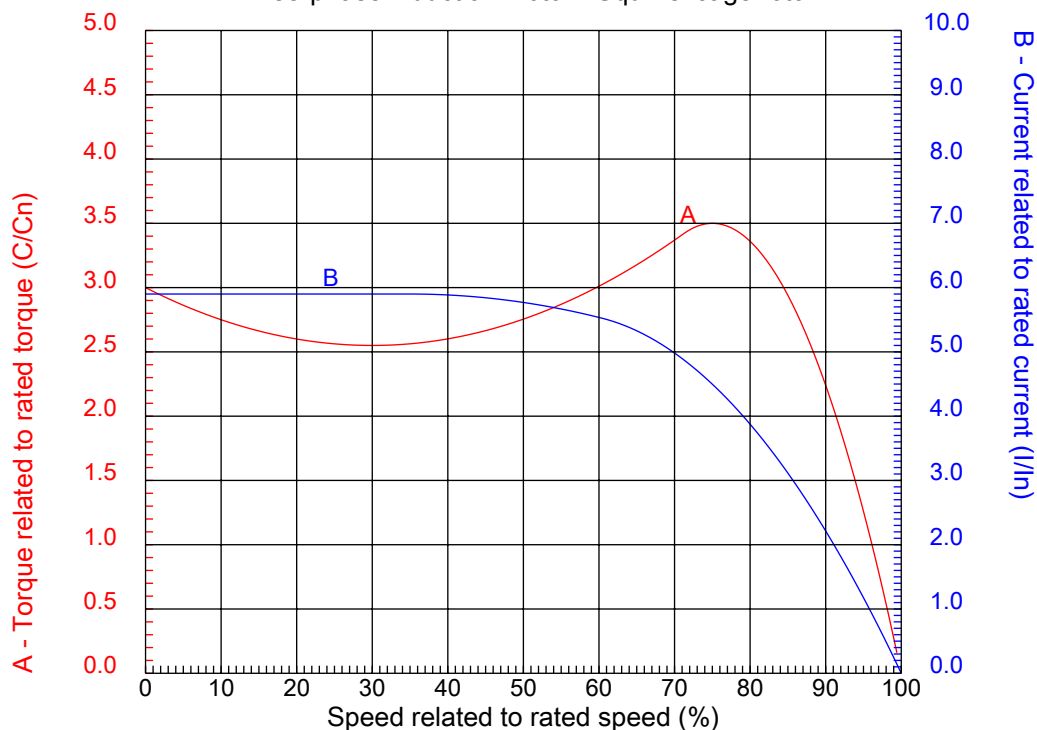
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Three-Phase : NEMA 56 Frames - TEFC

Frame	: D56	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 5.9
Output	: 0.75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 1160 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 300 %
Rated current	: 2.88-2.95/1.48 A	Breakdown torque	: 350 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

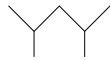
### LOW VOLTAGE

### HIGH VOLTAGE

B



C



D

E

F

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Customer:

Three-Phase : NEMA 56 Frames - TEFC

Three-phase induction motor  
 Frame D56 - IP55

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