



# 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 - ODP

Catalog Number : 00218OS3EF56C

List Price : \$346

#### Notes:

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Generated for Model #00218OS3EF56C

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

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

Frame : F56H  
Output : 2 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1710 rpm  
Slip : 5.00 %  
Voltage : 208-230/460 V  
Rated current : 6.20-6.12/3.06 A  
Locked rotor current : 39.2/19.6 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
No-load current : 4.40/2.20 A  
Full load torque : 6.06 lb.ft  
Locked rotor torque : 250 %  
Breakdown torque : 250 %  
Design : A  
Insulation class : B  
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 : IP21  
Approximate weight : 39 lb  
Moment of inertia : 0.10323 sq.ft.lb  
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.80	77.0
75%	0.71	77.0
50%	0.59	74.0

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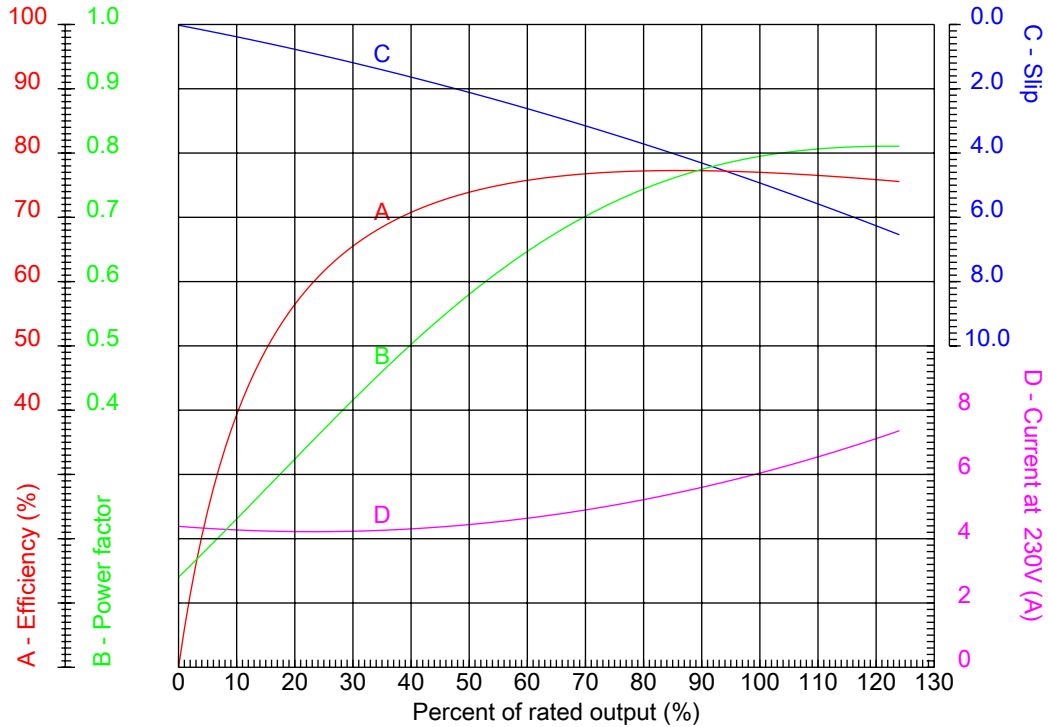
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No.:

Date: 12-SEP-2016

## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: F56H	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.4
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 1710 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 250 %
Rated current	: 6.20-6.12/3.06 A	Breakdown torque	: 250 %
Insulation class	: B		

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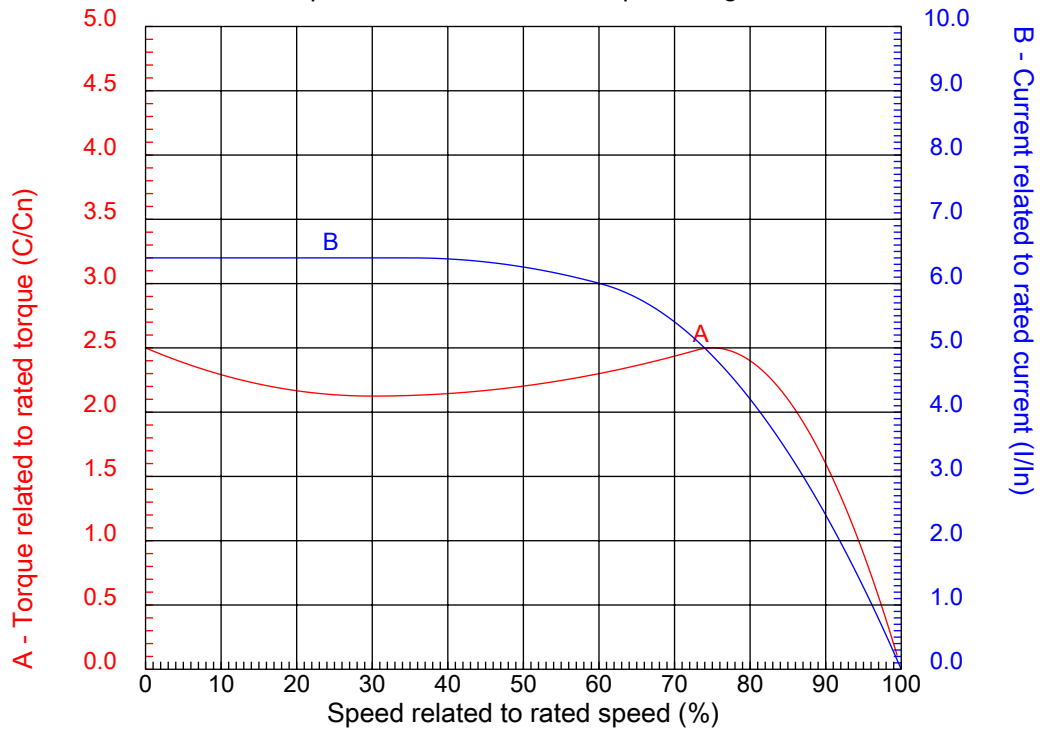
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No.:

Date: 12-SEP-2016

## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: F56H	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.4
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 1710 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 250 %
Rated current	: 6.20-6.12/3.06 A	Breakdown torque	: 250 %
Insulation class	: B		

Notes:  
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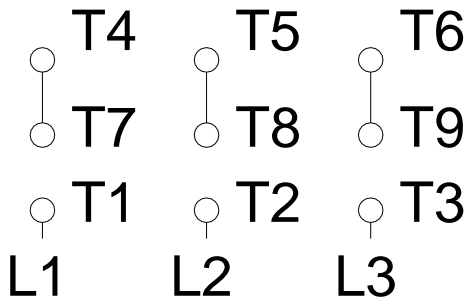
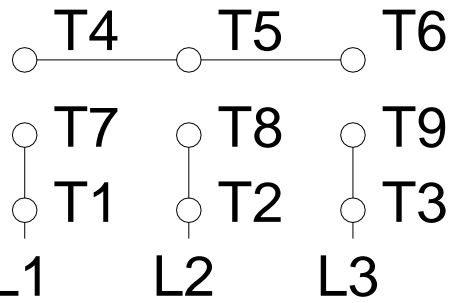
1 2 3 4 5 6 7 8

A

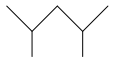
### LOW VOLTAGE

### HIGH VOLTAGE

B



C



D

E

F

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Performed by:		
Checked:		
Customer:		
Three-Phase : NEMA 56 Frames - ODP		
Three-phase induction motor Frame F56H - IP21	12-SEP-2016	