



# 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 : 00136OS3EB56CFL

List Price : \$301

#### Notes:

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# Dealers Industrial Equipment

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

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

Frame : B56  
Output : 1 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3470 rpm  
Slip : 3.61 %  
Voltage : 208-230/460 V  
Rated current : 3.11/1.55 A  
Locked rotor current : 20.2/10.1 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
No-load current : 1.91/0.957 A  
Full load torque : 1.49 lb.ft  
Locked rotor torque : 260 %  
Breakdown torque : 280 %  
Design : A  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 10 s (hot)  
Service factor : 1.25 (1.00 at 208V)  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP21  
Approximate weight : 28 lb  
Moment of inertia : 0.02753 sq.ft.lb  
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.81	74.0
75%	0.73	72.0
50%	0.62	66.5

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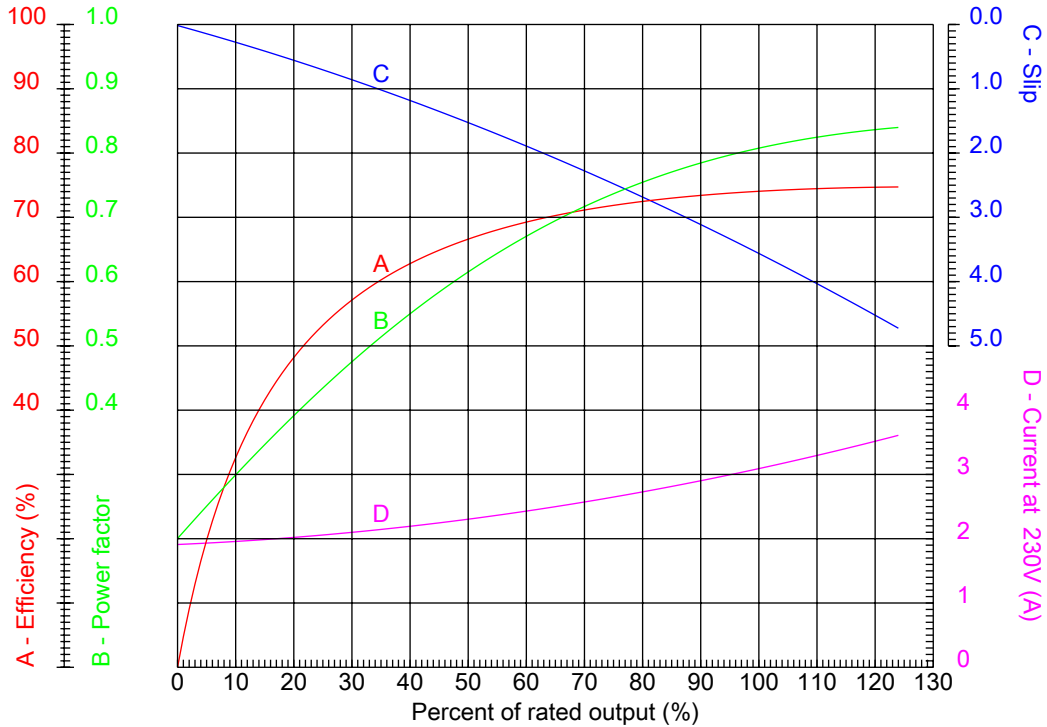
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : B56	Locked rotor current (I <sub>L</sub> /I <sub>n</sub> ) : 6.5
Output : 1 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25 (1.00 at 208V)
Full load speed : 3470 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 260 %
Rated current : 3.11/1.55 A	Breakdown torque : 280 %
Insulation class : B	

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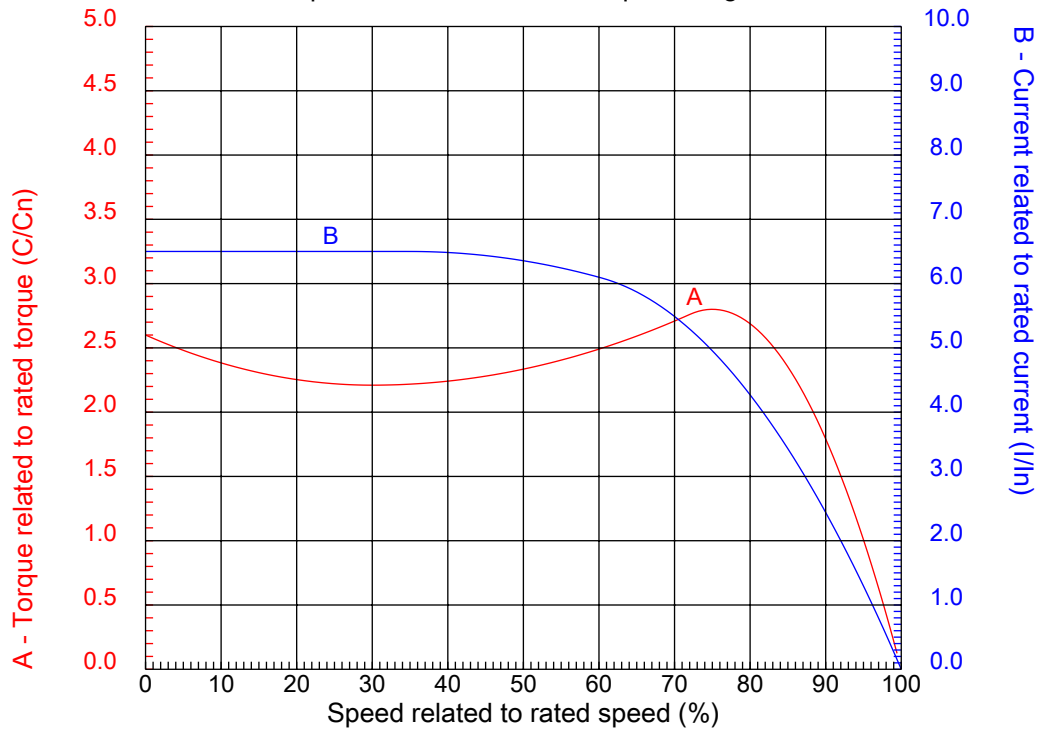
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



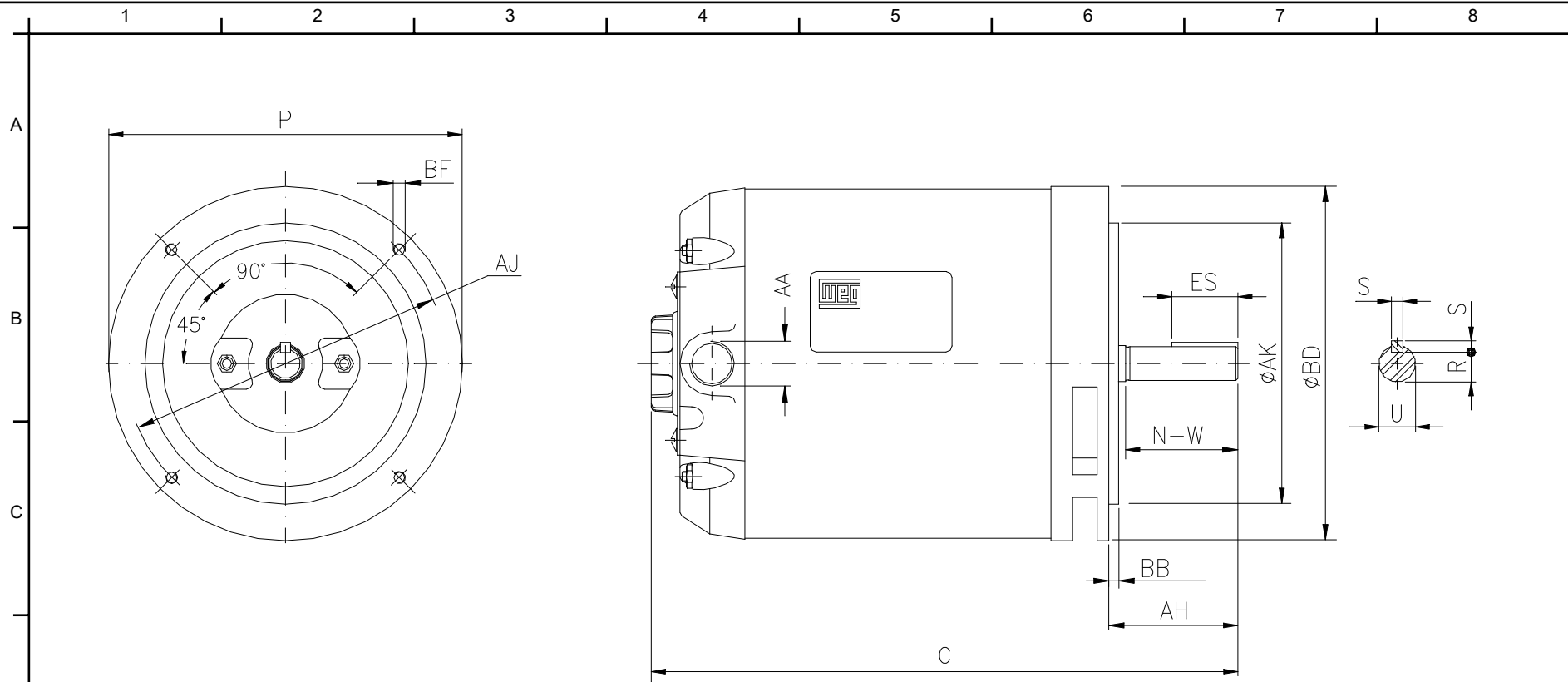
Customer :  
Product line : Three-Phase : NEMA 56 Frames - ODP

Frame	: B56	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.5
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25 (1.00 at 208V)
Full load speed	: 3470 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 260 %
Rated current	: 3.11/1.55 A	Breakdown torque	: 280 %
Insulation class	: B		

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Customer:

Three-Phase : NEMA 56 Frames - ODP

P	ES	S	N-W	depth
6.457	1.102	0.187	1.874	0.187
U	R	d1	C	AA
0.6250	0.517	A 3,15	11.102	NPT 1/2"
Flange	AJ	AK	BD	BF
FC-149	5.874	4.500	6.500	UNC 3/8"x16-2B
BB				
0.157				

Three-phase induction motor  
 Frame B56 - IP21

12-SEP-2016



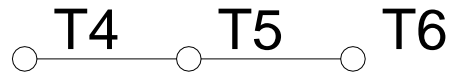
1 2 3 4 5 6 7 8

A

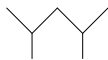
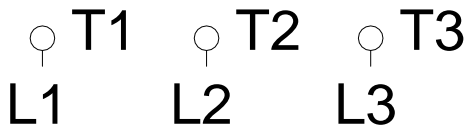
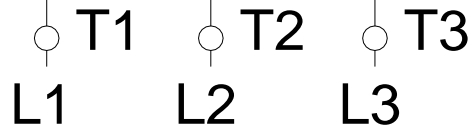
### LOW VOLTAGE

### HIGH VOLTAGE

B



C



D

E

F

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Customer:

Three-Phase : NEMA 56 Frames - ODP

Three-phase induction motor  
Frame B56 - IP21

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