



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 : .5018OS3EA56CFL

List Price : \$274

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : A56
Output : 0.5 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1730 rpm
Slip : 3.89 %
Voltage : 208-230/460 V
Rated current : 1.81-1.82/0.909 A
Locked rotor current : 10.5/5.27 A
Locked rotor current (I_L/I_n) : 5.8
No-load current : 1.59/0.797 A
Full load torque : 1.50 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 280 %
Design : A
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 15 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 : 23 lb
Moment of inertia : 0.07095 sq.ft.lb
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.73	70.0
75%	0.62	66.0
50%	0.51	62.0

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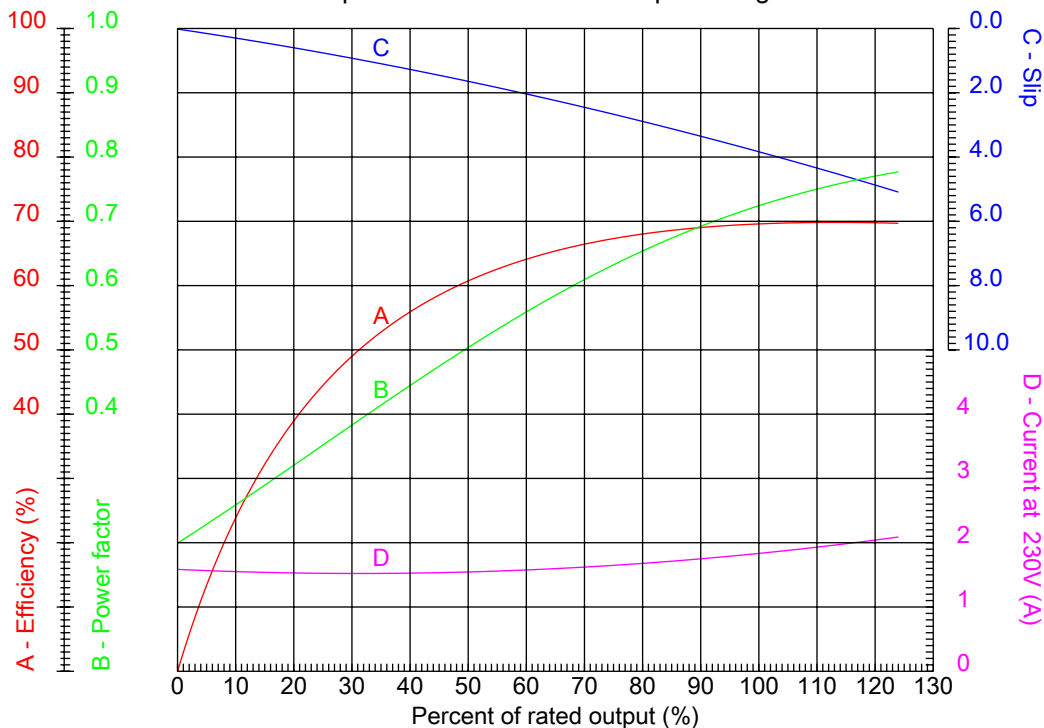
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : A56	Locked rotor current (I _L /I _n) : 5.8
Output : 0.5 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25 (1.00 at 208V)
Full load speed : 1730 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 230 %
Rated current : 1.81-1.82/0.909 A	Breakdown torque : 280 %
Insulation class : B	

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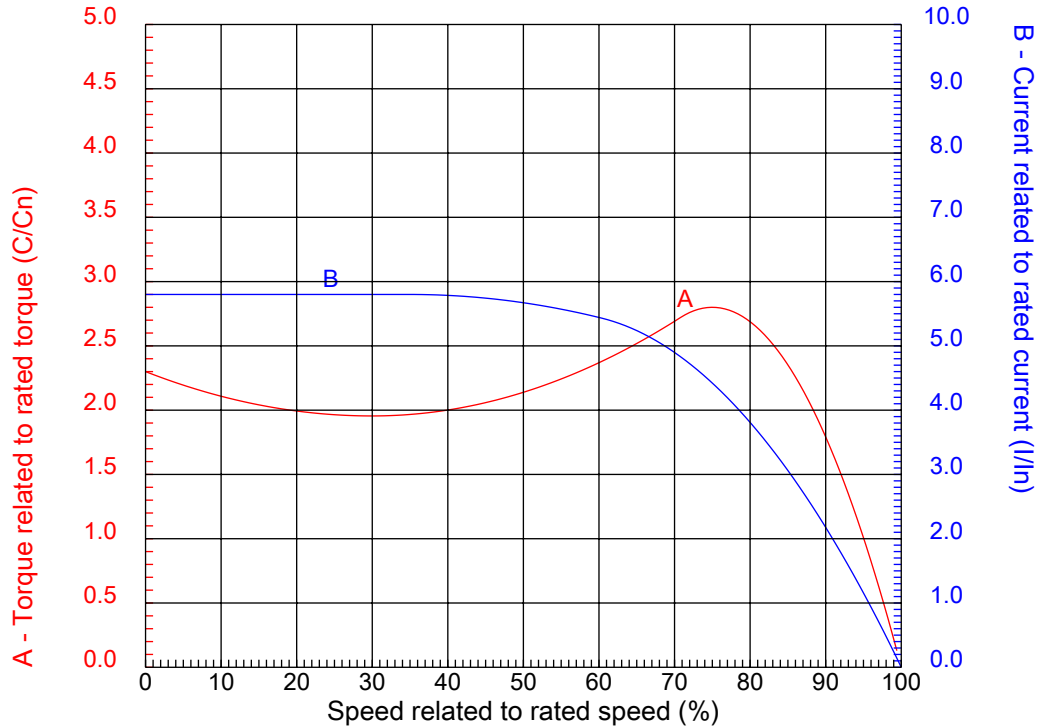
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



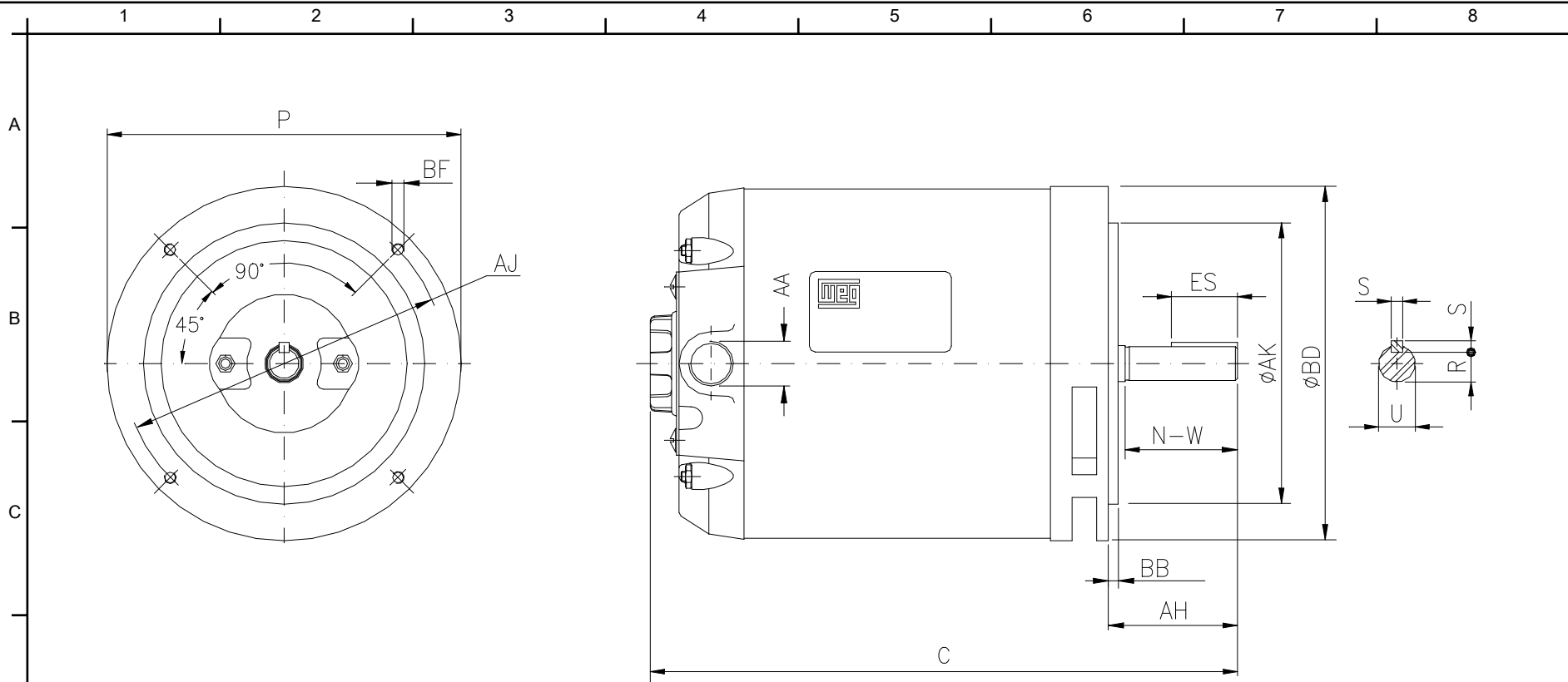
Customer :
Product line : Three-Phase : NEMA 56 Frames - ODP

Frame	: A56	Locked rotor current (I _l /I _n)	: 5.8
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25 (1.00 at 208V)
Full load speed	: 1730 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 1.81-1.82/0.909 A	Breakdown torque	: 280 %
Insulation class	: B		

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Customer:

Three-Phase : NEMA 56 Frames - ODP

P	ES	S	N-W	depth
6.496	1.102	0.187	1.874	0.187
U	R	C	AA	Flange
0.6250	0.517	10.315	NPT 1/2"	FC-149
AJ	AK	BD	BF	BB
5.874	4.500	6.535	UNC 3/8"x16-2B	0.157

Three-phase induction motor
 Frame A56 - 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 A56 - IP21

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