



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

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

Catalog Number : 00336OS3EF56CFL

List Price : \$379

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #00336OS3EF56CFL

Performed by:

Checked:



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : F56H
Output : 3 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3460 rpm
Slip : 3.89 %
Voltage : 208-230/460 V
Rated current : 7.75/3.87 A
Locked rotor current : 54.2/27.1 A
Locked rotor current (I_L/I_n) : 7.0
No-load current : 4.02/2.01 A
Full load torque : 4.49 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 300 %
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 : 44 lb
Moment of inertia : 0.04960 sq.ft.lb
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.89	82.0
75%	0.82	82.0
50%	0.70	81.5

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00336OS3EF56CFL

Performed by

Checked



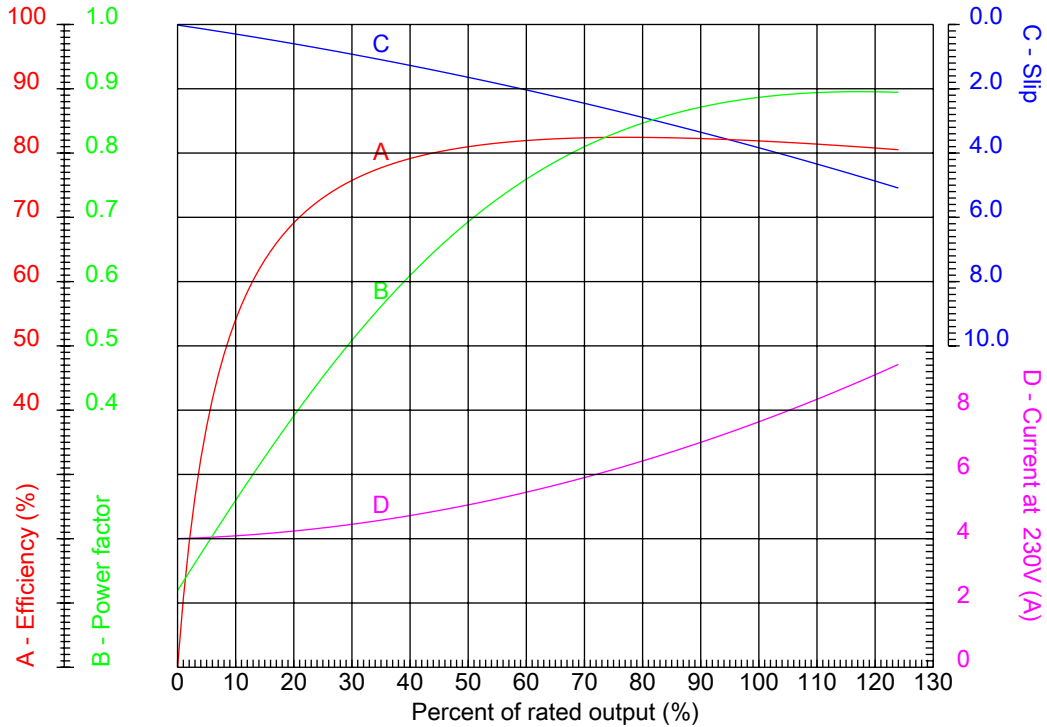
Dealers Industrial Equipment

No.:

Date: 13-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 _l /I _n)	: 7.0
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 3460 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 7.75/3.87 A	Breakdown torque	: 300 %
Insulation class	: B		

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00336OS3EF56CFL

Performed by

Checked



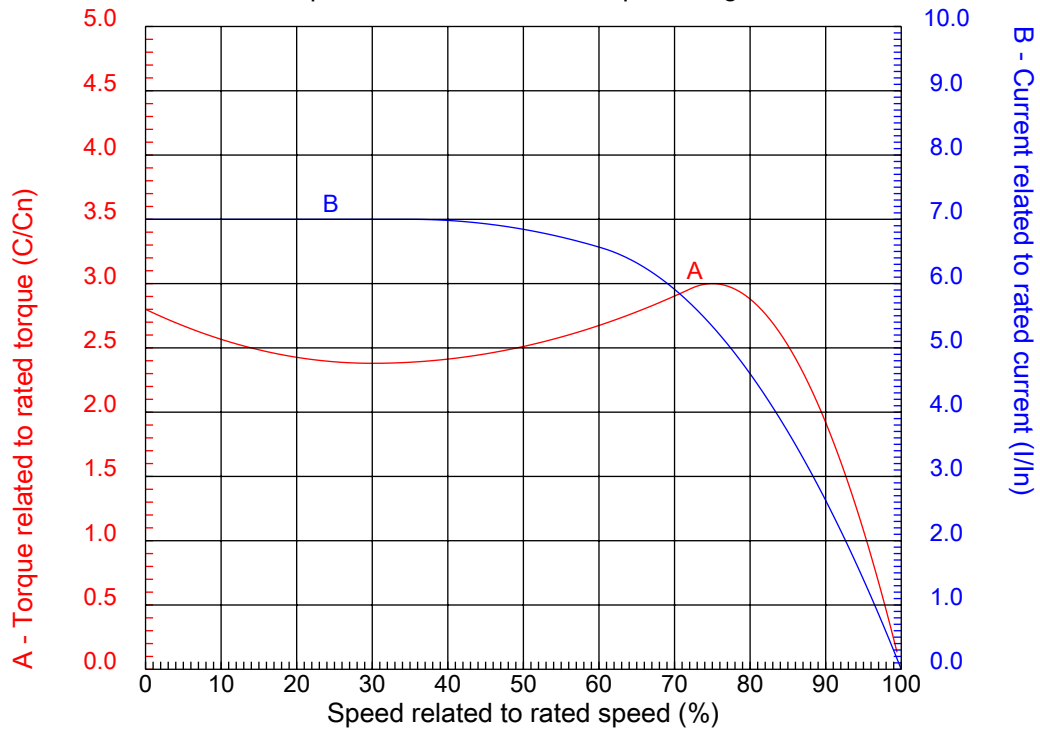
Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



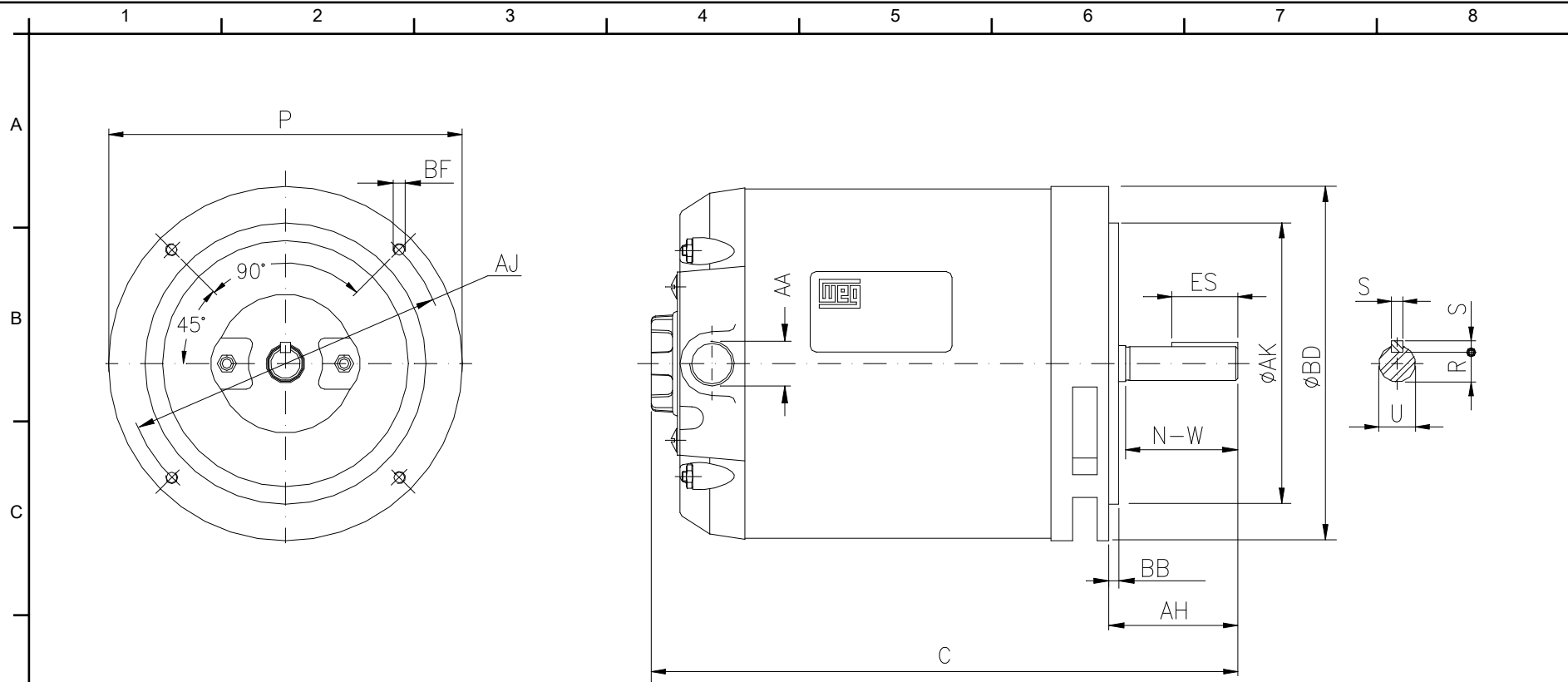
Customer :
Product line : Three-Phase : NEMA 56 Frames - ODP

Frame	: F56H	Locked rotor current (I _l /I _n)	: 7.0
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 3460 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 7.75/3.87 A	Breakdown torque	: 300 %
Insulation class	: B		

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00336OS3EF56CFL

Performed by

Checked



Notes: Downloaded from <http://dealerselectric.com>
 Generated for Model #00336OS3EF56CFL

Performed by:

Checked:

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	13.464	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 F56H - IP21

13-SEP-2016



1 2 3 4 5 6 7 8

A

LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

Notes: Downloaded from <http://dealerselectric.com>
 Generated for Model #00336OS3EF56CFL

Performed by:

Checked:

Customer:

Three-Phase : NEMA 56 Frames - ODP

Three-phase induction motor
 Frame F56H - IP21

13-SEP-2016

