



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - TEFC (IP55)

Catalog Number : 00156ES3EJPR56C

List Price : \$371

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #00156ES3EJPR56C

Performed by:

Checked:



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - TEFC (IP55)

Frame : B56C
Output : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3440 rpm
Slip : 4.44 %
Voltage : 208-230/460 V
Rated current : 4.25-3.90/1.95 A
Locked rotor current : 33.2/16.6 A
Locked rotor current (I_L/I_n) : 8.5
No-load current : 1.72/0.860 A
Full load torque : 2.26 lb.ft
Locked rotor torque : 450 %
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 : 34 lb
Moment of inertia : 0.05102 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6203 2RS	6202 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.88	82.5
75%	0.82	80.0
50%	0.72	76.0

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00156ES3EJPR56C

Performed by

Checked



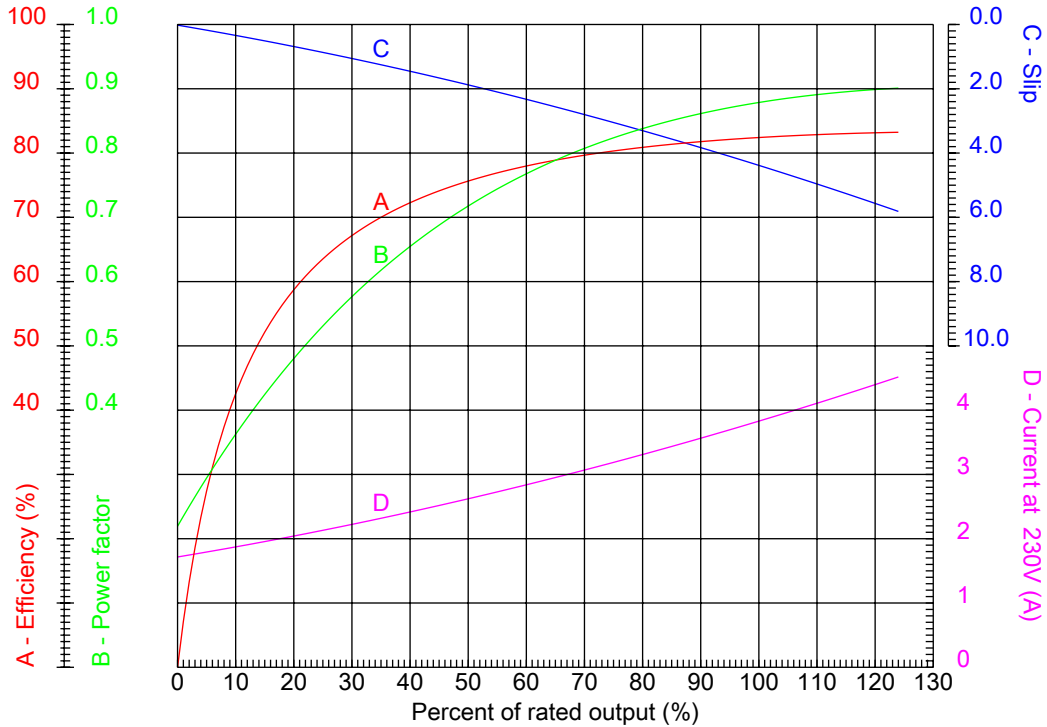
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - TEFC (IP55)

Frame : B56C	Locked rotor current (I _l /I _n) : 8.5
Output : 1.5 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15 (1.00 at 208V)
Full load speed : 3440 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 450 %
Rated current : 4.25-3.90/1.95 A	Breakdown torque : 350 %
Insulation class : F	

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00156ES3EJPR56C

Performed by

Checked



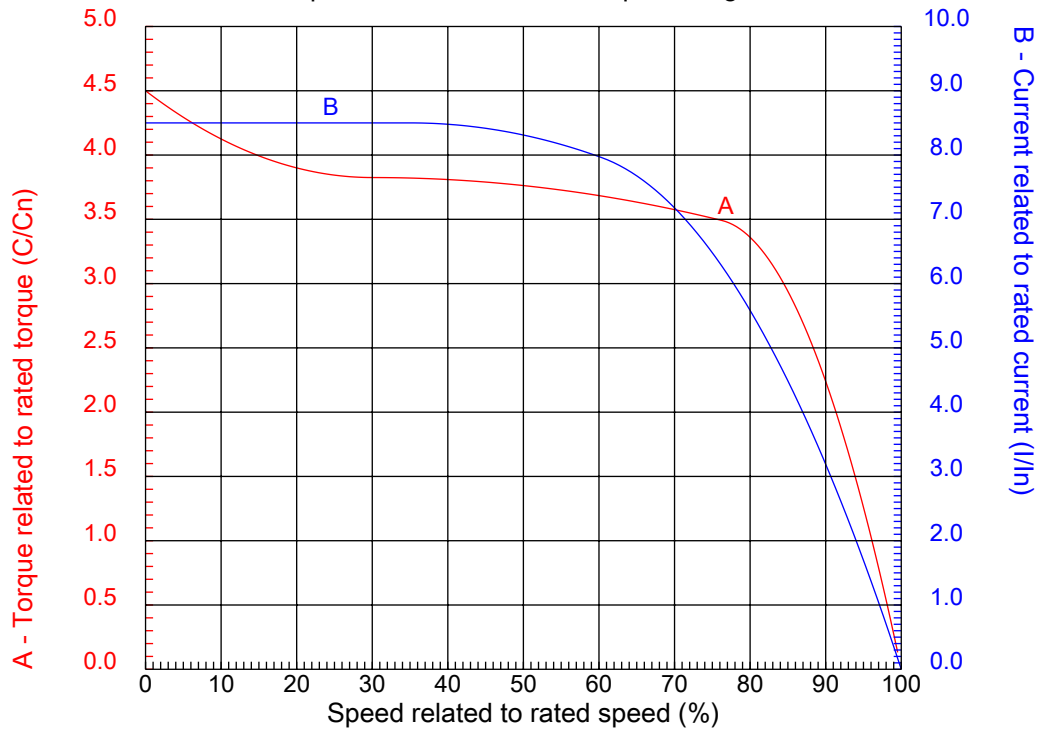
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - TEFC (IP55)

Frame	: B56C	Locked rotor current (I _l /I _n)	: 8.5
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 3440 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 450 %
Rated current	: 4.25-3.90/1.95 A	Breakdown torque	: 350 %
Insulation class	: F		

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00156ES3EJPR56C

Performed by

Checked

1 2 3 4 5 6 7 8

A

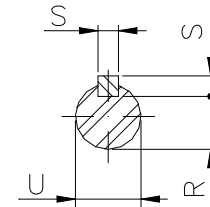
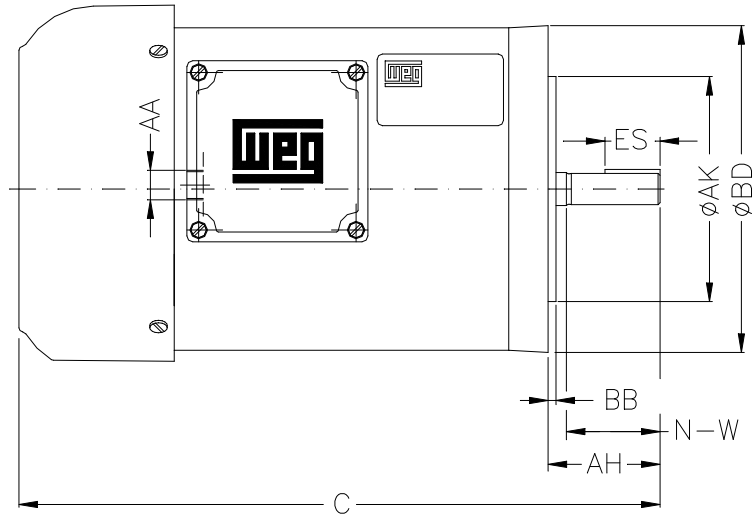
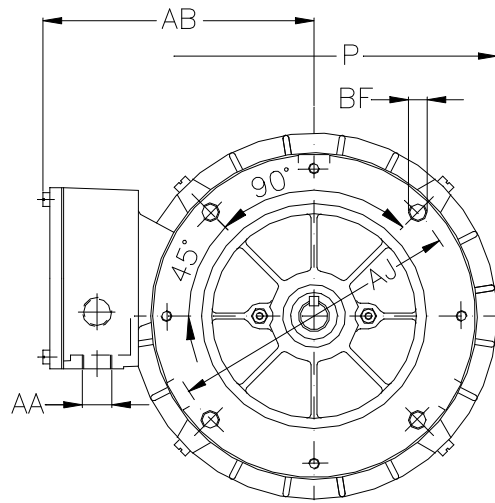
B

C

D

E

F



Notes: Downloaded from <http://dealerselectric.com>
Generated for Model #00156ES3EJPR56C

Performed by:

Checked:

Customer:

Jet Pump - NEMA 56 : Three-Phase - Keyed - TEFC (IP55)

C	P	ES	S	N-W
11.102	7.323	1.417	0.187	1.874
U	R	AB	AA	Flange
0.6250	0.517	5.433	NPT 1/2"	FC-149
AJ	AK	BD	BF	BB
5.874	4.500	6.535	UNC 3/8"x16-2B	0.157
AH				
2.063				

Three-phase induction motor
Frame B56C - IP55

12-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 #00156ES3EJPR56C

Performed by:

Checked:

Customer:

Jet Pump - NEMA 56 : Three-Phase - Keyed - TEFC (IP55)

Three-phase induction motor
 Frame B56C - IP55

12-SEP-2016

