



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 - TEFC

Catalog Number : 00156ES3EB56CFL

List Price : \$392

Notes:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : B56
 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 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

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

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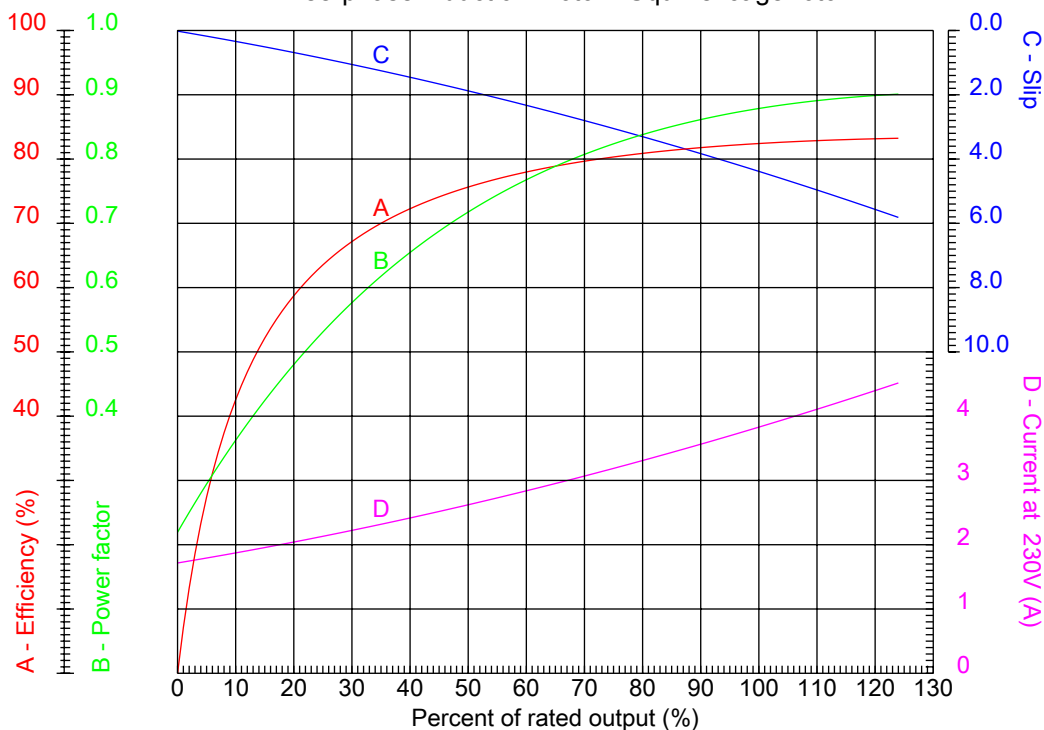
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: B56	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		

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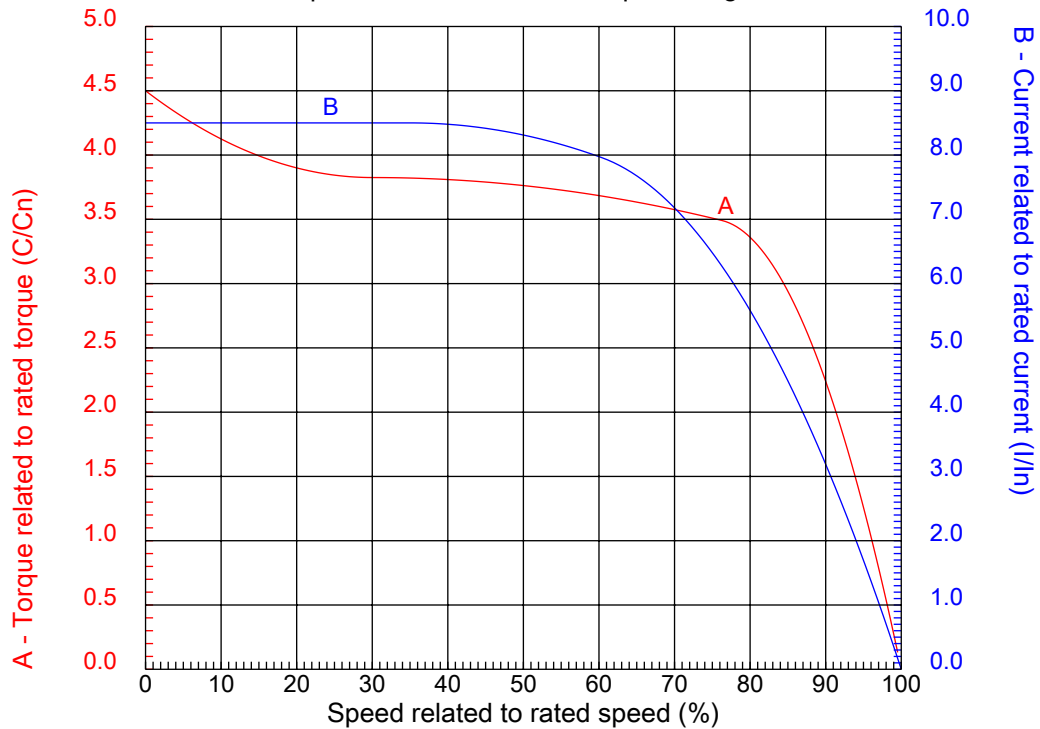
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



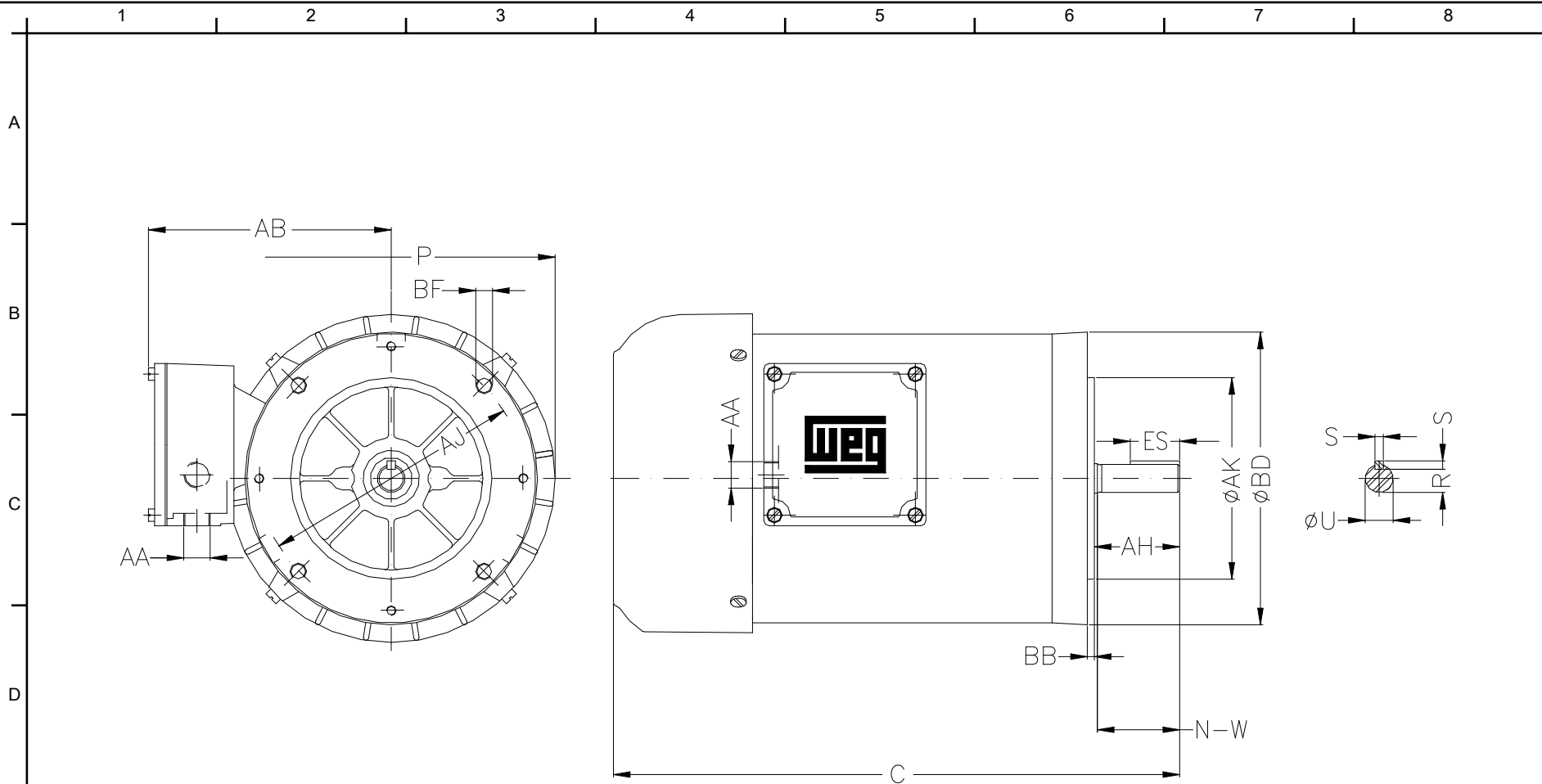
Customer :
Product line : Three-Phase : NEMA 56 Frames - TEFC

Frame	: B56	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		

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Customer:

Three-Phase : NEMA 56 Frames - TEFC

C	P	S	ES	R
11.102	7.323	0.187	1.102	0.517
N-W	U	AB	AA	Flange
1.874	0.6250	5.433	2xNPT 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 B56 - IP55

12-SEP-2016



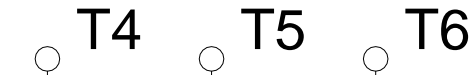
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A

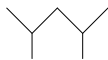
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Customer:

Three-Phase : NEMA 56 Frames - TEFC

Three-phase induction motor
 Frame B56 - IP55

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