



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : P-Base Motors : High Efficiency

Catalog Number : 00158EP3E145HP

List Price : \$529

Notes:

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No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : P-Base Motors : High Efficiency

Frame : 145HP
 Output : 1.5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 230/460 V
 Rated current : 4.10/2.05 A
 Locked rotor current : 34.8/17.4 A
 Locked rotor current (I_L/I_n) : 8.5
 No-load current : 2.49/1.24 A
 Full load torque : 4.42 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 370 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 13 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 54 lb
 Moment of inertia : 0.11960 sq.ft.lb
 Noise level : 51 dB(A)

	D.E.	N.D.E.
Bearings	6307 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.80	84.0
75%	0.72	84.0
50%	0.60	80.0

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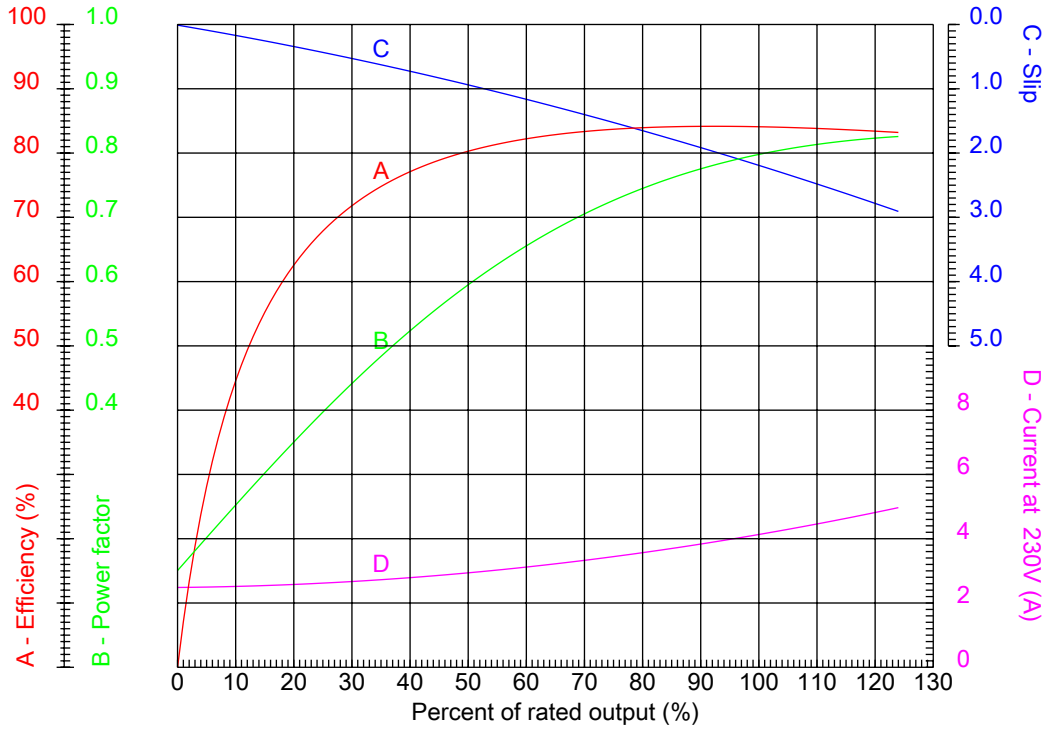
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : P-Base Motors : High Efficiency

Frame : 145HP	Locked rotor current (I _l /I _n) : 8.5
Output : 1.5 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25
Full load speed : 1760 rpm	Design : B
Voltage : 230/460 V	Locked rotor torque : 270 %
Rated current : 4.10/2.05 A	Breakdown torque : 370 %
Insulation class : F	

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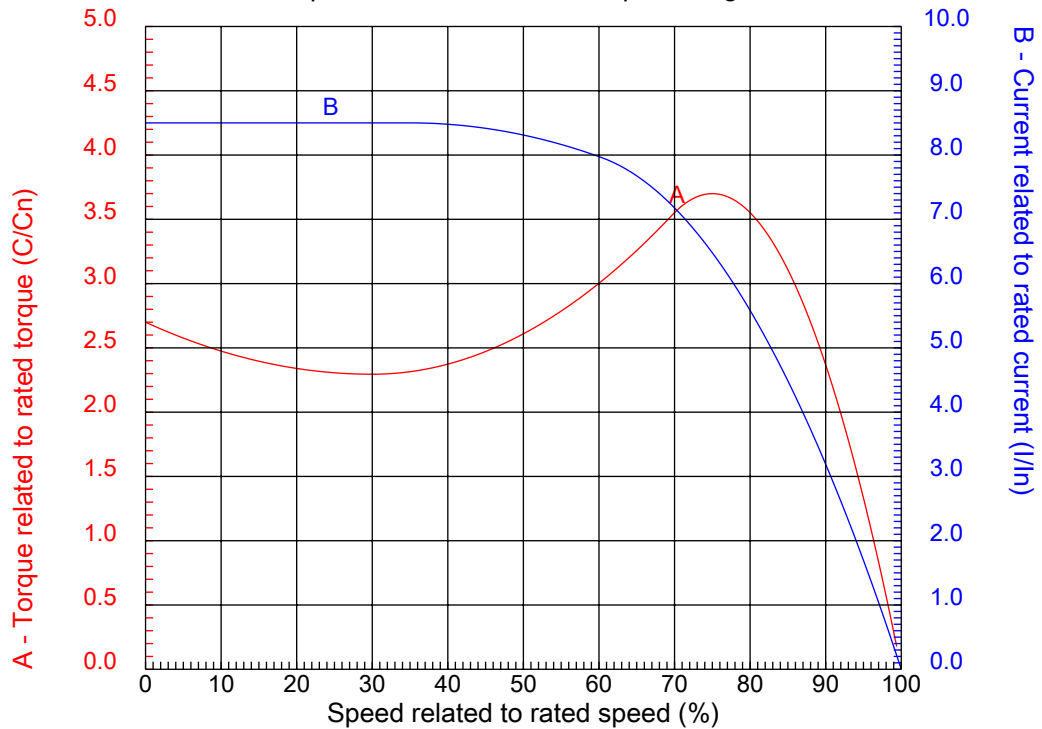
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : P-Base Motors : High Efficiency

Frame	: 145HP	Locked rotor current (I _l /I _n)	: 8.5
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1760 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 270 %
Rated current	: 4.10/2.05 A	Breakdown torque	: 370 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

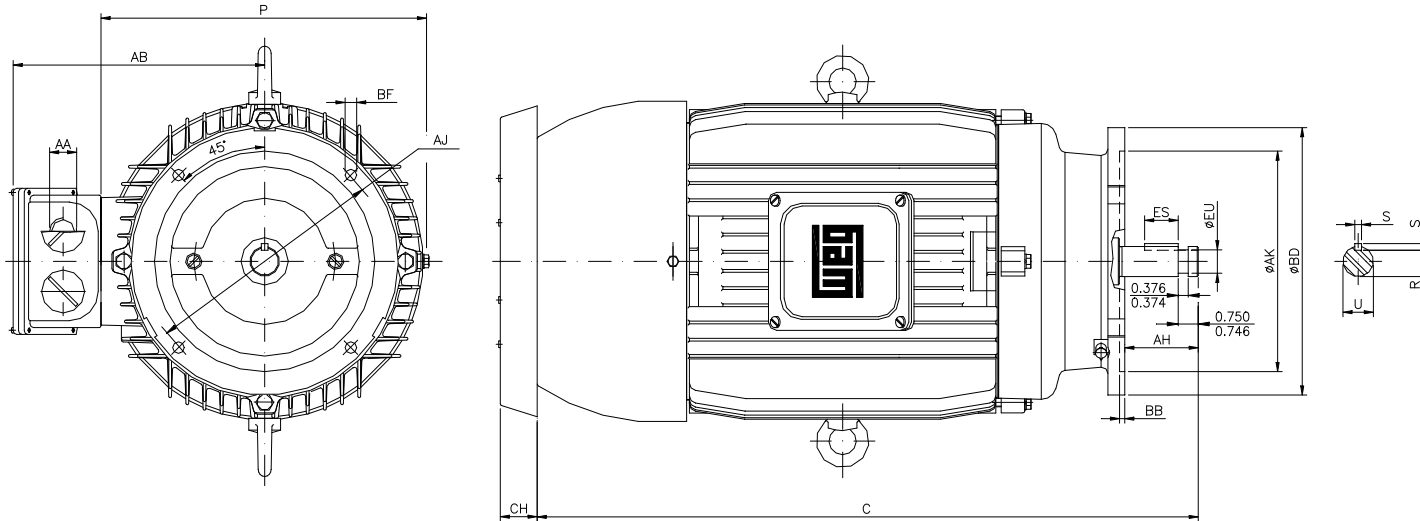
B

C

D

E

F



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Customer:

P-Base Motors : High Efficiency

ES	S	EU	U	R
1.250	0.187	0.687	0.875	0.771
P	AH	AB	C	CH
7.047	2.750	6.102	14.397	0.708
AA	Flange	AJ	AK	BD
NPT 3/4"	D-254	9.125	8.250	10.000
BF	BB			
0.433	0.196			

Three-phase induction motor
Frame 145HP - IP55

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:

P-Base Motors : High Efficiency

Three-phase induction motor
 Frame 145HP - IP55

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