



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

Customer :

TECHNICAL PROPOSAL

## Three-phase induction motor - Squirrel cage rotor

Product line : P-Base Motors : High Efficiency

Catalog Number : -

List Price : \$-

Notes:

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Generated for Model #06036EP3E326HP

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# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 326HP  
Output : 60 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3530 rpm  
Slip : 1.94 %  
Voltage : 230/460 V  
Rated current : 138/69.0 A  
Locked rotor current : 856/428 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
No-load current : 30.0/15.0 A  
Full load torque : 88.1 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 240 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 14 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 549 lb  
Moment of inertia : 5.3212 sq.ft.lb  
Noise level : 81 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6212 C3
Regreasing interval	3604 h	6072 h
Grease amount	27 g	13 g

Load	Power factor	Efficiency (%)
100%	0.88	93.0
75%	0.87	92.4
50%	0.83	91.0

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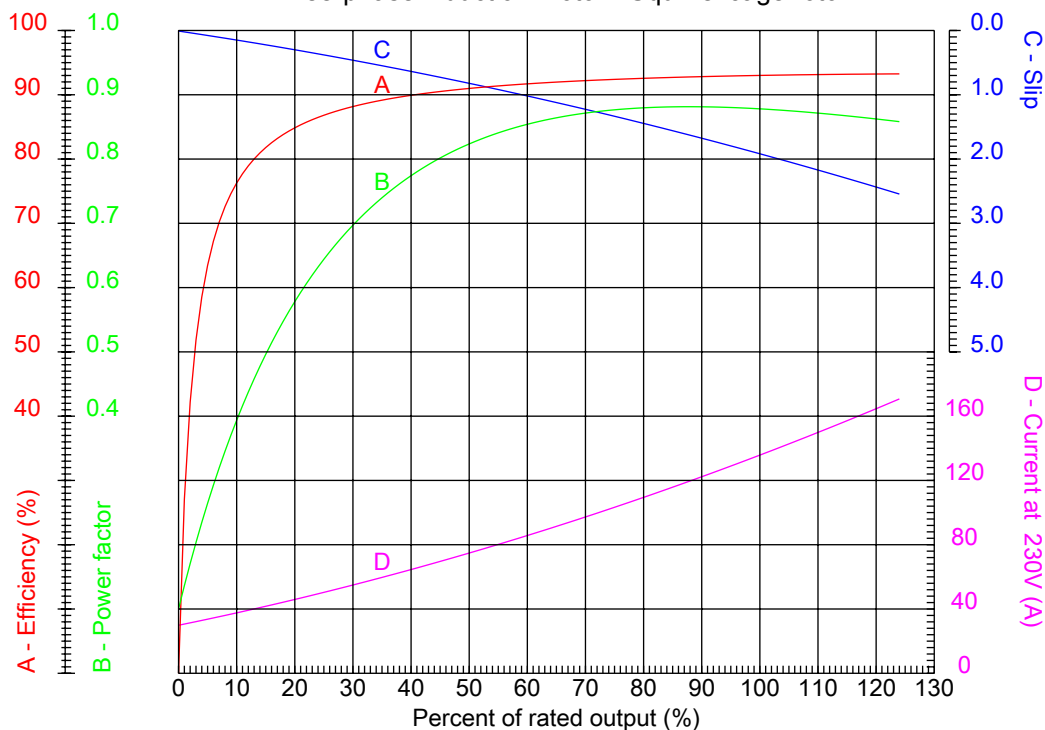
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 326HP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.2
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3530 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 200 %
Rated current	: 138/69.0 A	Breakdown torque	: 240 %
Insulation class	: F		

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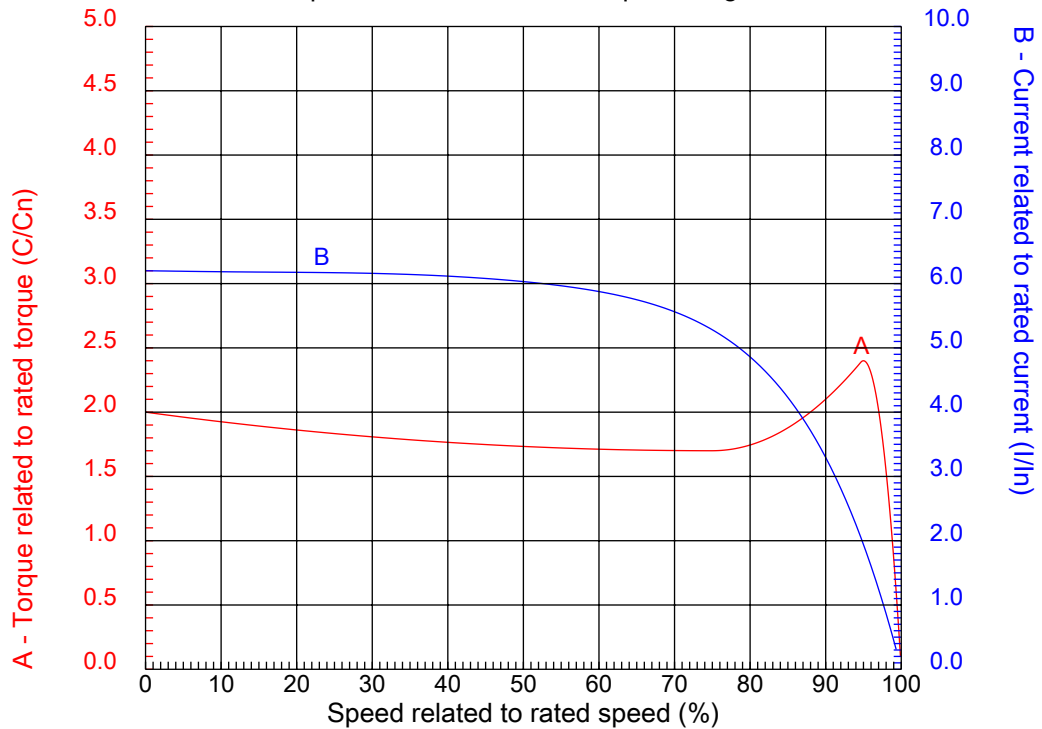
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 326HP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.2
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3530 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 200 %
Rated current	: 138/69.0 A	Breakdown torque	: 240 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

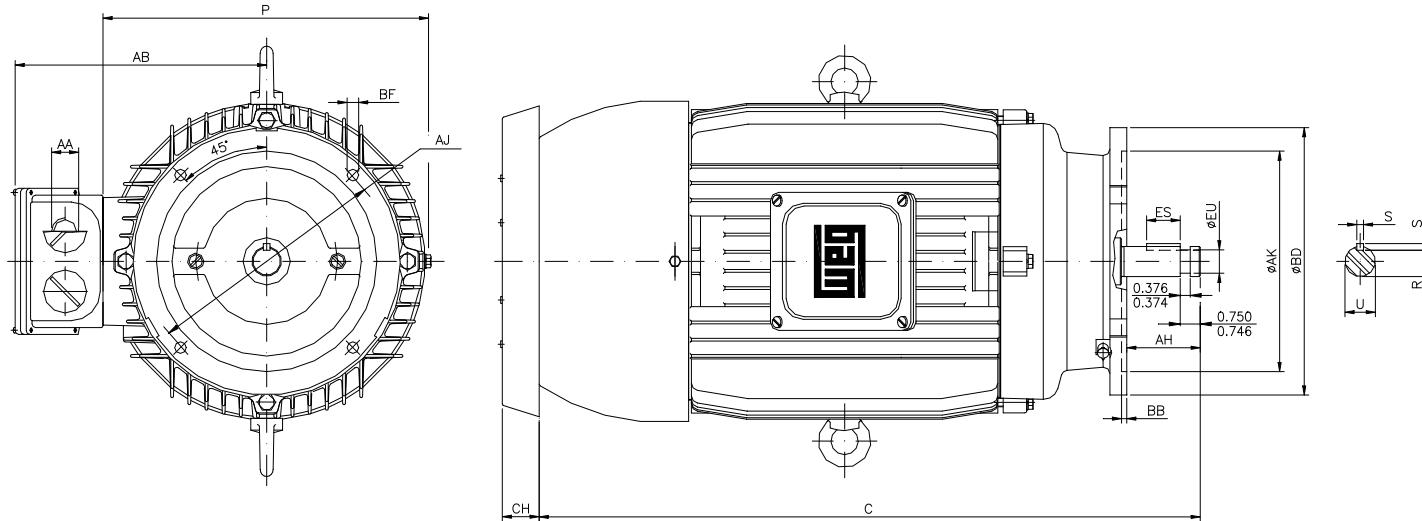
B

C

D

E

F



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Customer:

P-Base Motors : High Efficiency

ES 3.150	S 0.375	BB 0.000	EU 1.250	U 1.625
R 1.415	P 15.591	AH 4.500	AB 11.496	C 31.897
CH 2.634	AA NPT 2"			

Three-phase induction motor  
Frame 326HP - IP55

27-SEP-2016

