



# 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 : 00318EP3E182HP

List Price : \$879

#### Notes:

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Generated for Model #00318EP3E182HP

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# Dealers Industrial Equipment

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

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

Frame : 182HP  
 Output : 3 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1760 rpm  
 Slip : 2.22 %  
 Voltage : 230/460 V  
 Rated current : 8.10/4.05 A  
 Locked rotor current : 60.8/30.4 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.5  
 No-load current : 4.40/2.20 A  
 Full load torque : 8.83 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 320 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 25 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 92 lb  
 Moment of inertia : 0.27717 sq.ft.lb  
 Noise level : 56 dB(A)

	D.E.	N.D.E.
Bearings	6308 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.78	87.5
75%	0.71	87.5
50%	0.59	85.5

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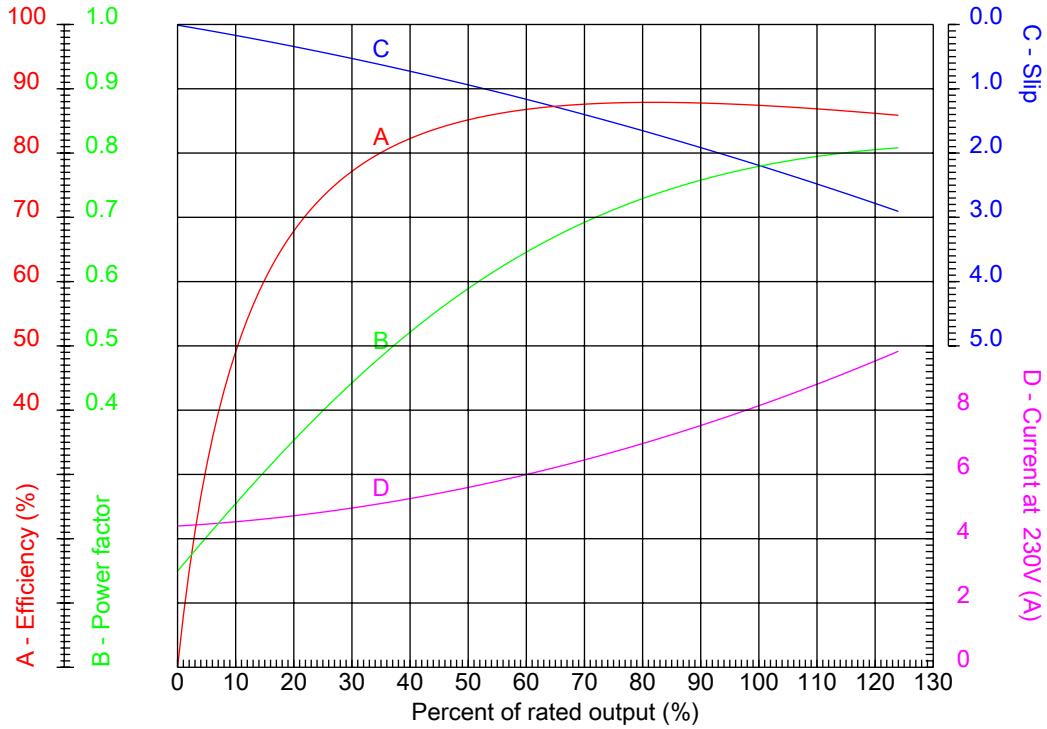
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 182HP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.5
Output	: 3 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	: 230 %
Rated current	: 8.10/4.05 A	Breakdown torque	: 320 %
Insulation class	: F		

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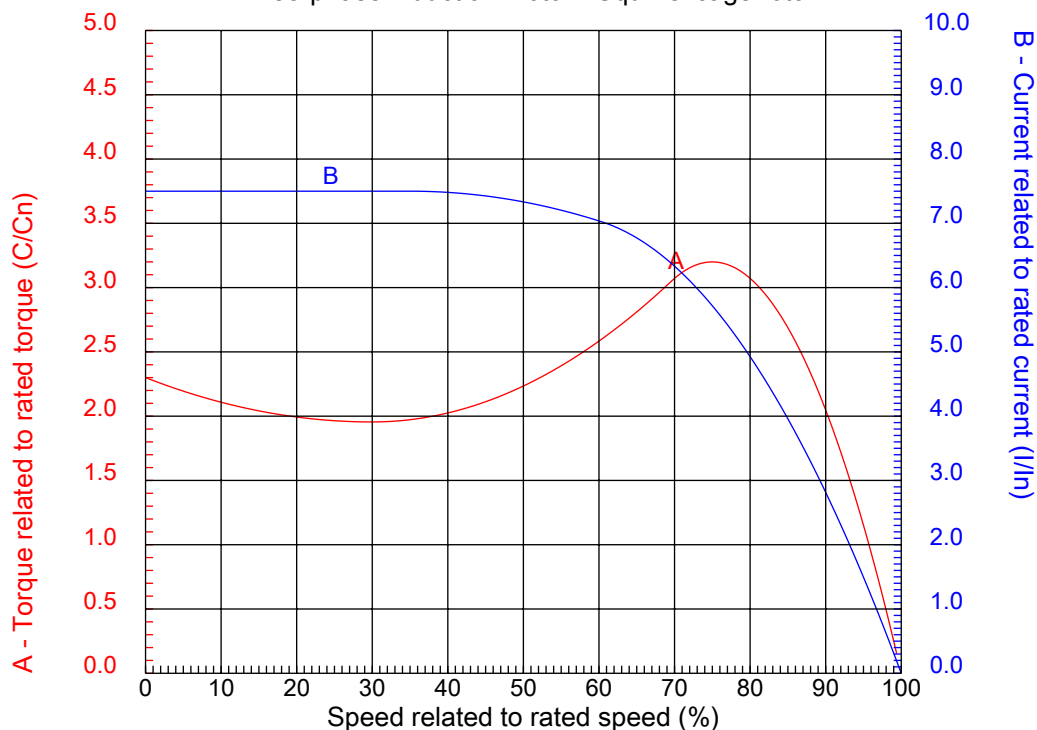
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 182HP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.5
Output	: 3 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	: 230 %
Rated current	: 8.10/4.05 A	Breakdown torque	: 320 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

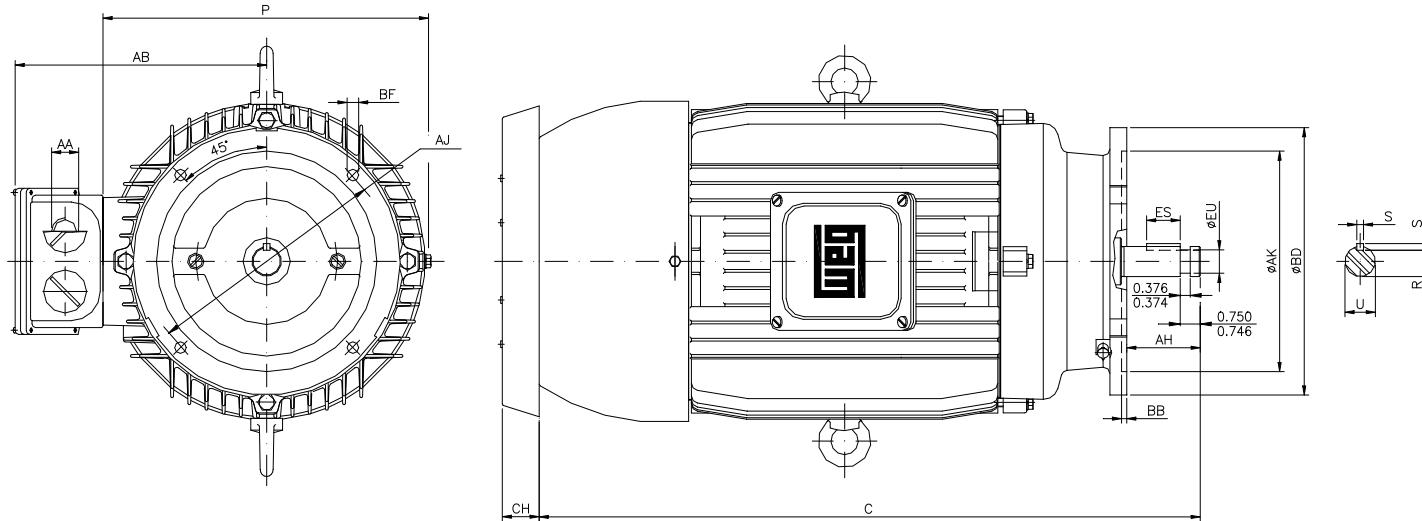
B

C

D

E

F



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Customer:

P-Base Motors : High Efficiency

ES 1.250	S 0.250	EU 0.875	U 1.125	R 0.984
P 8.740	AH 2.750	AB 7.086	C 15.504	CH 1.220
AA NPT 1"	Flange D-254	AJ 9.125	AK 8.250	BD 10.000
BF 0.433	BB 0.196			

Three-phase induction motor  
Frame 182HP - IP55

12-SEP-2016



1 2 3 4 5 6 7 8

# LOW VOLTAGE

# HIGH VOLTAGE

A  
B  
C  
D  
E  
F



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Customer:

P-Base Motors : High Efficiency

Three-phase induction motor  
Frame 182HP - IP55

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