



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 : 00118EP3E143HP

List Price : \$503

Notes:

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Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 143HP
Output : 1 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1765 rpm
Slip : 1.94 %
Voltage : 230/460 V
Rated current : 2.96/1.48 A
Locked rotor current : 25.5/12.7 A
Locked rotor current (I_L/I_n) : 8.6
No-load current : 1.87/0.935 A
Full load torque : 2.94 lb.ft
Locked rotor torque : 290 %
Breakdown torque : 400 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 16 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 48 lb
Moment of inertia : 0.09302 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%	0.77	82.5
75%	0.69	80.0
50%	0.55	77.0

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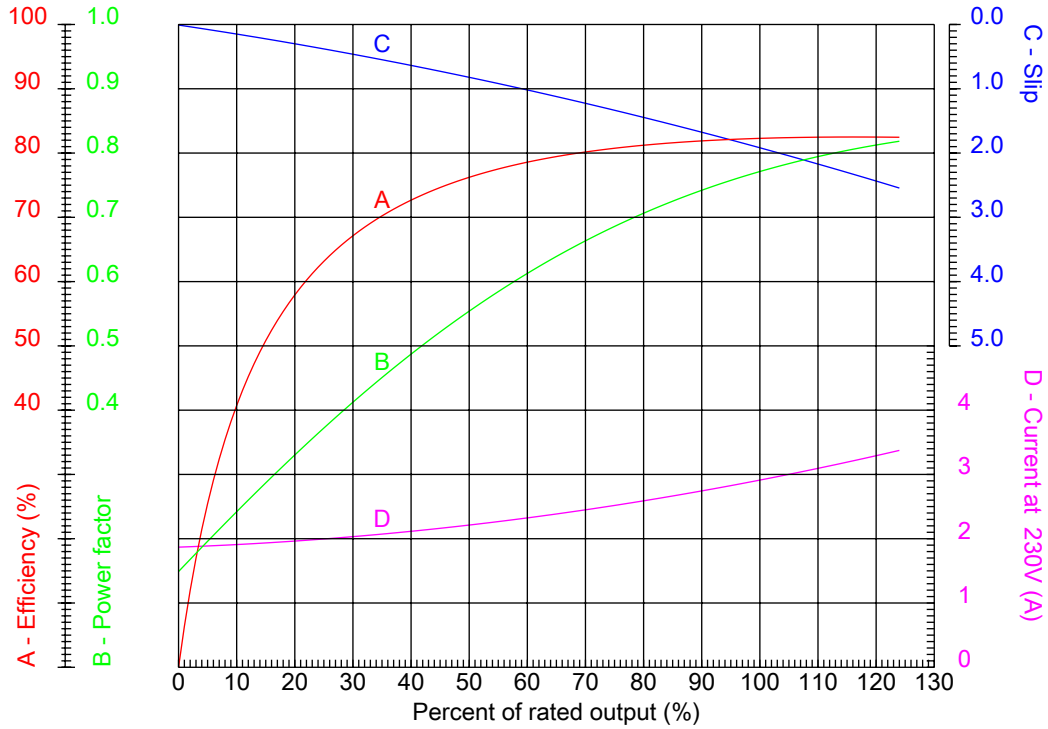
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 143HP	Locked rotor current (I _l /I _n) : 8.6
Output : 1 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25
Full load speed : 1765 rpm	Design : B
Voltage : 230/460 V	Locked rotor torque : 290 %
Rated current : 2.96/1.48 A	Breakdown torque : 400 %
Insulation class : F	

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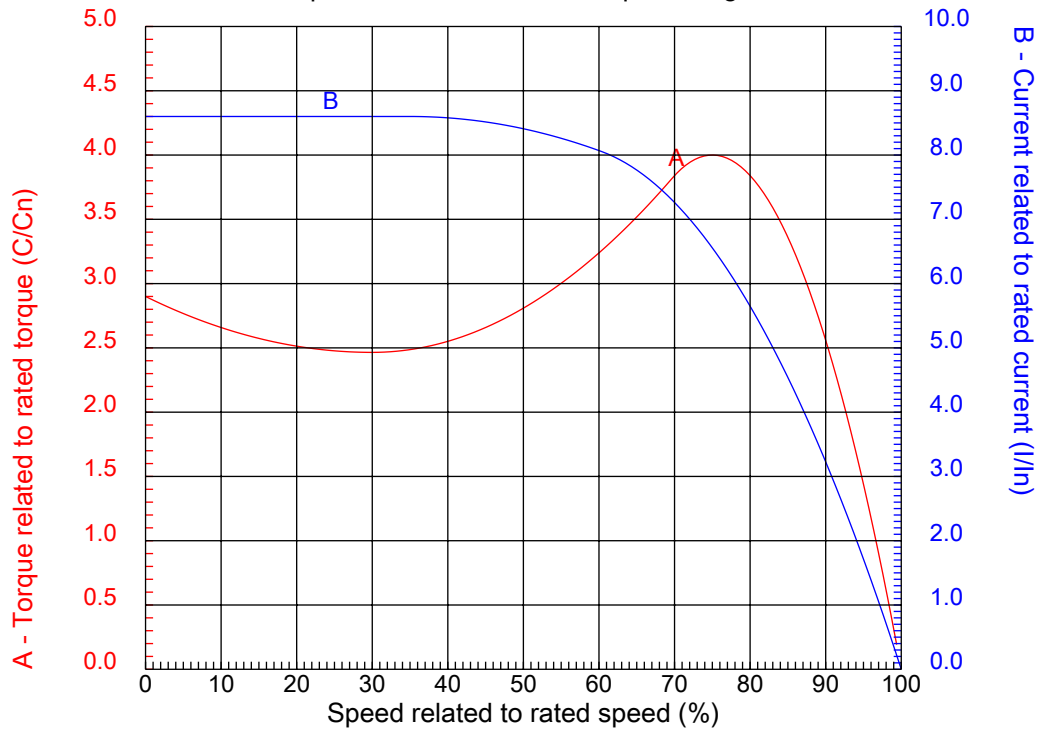
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 143HP	Locked rotor current (I _l /I _n)	: 8.6
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1765 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 290 %
Rated current	: 2.96/1.48 A	Breakdown torque	: 400 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

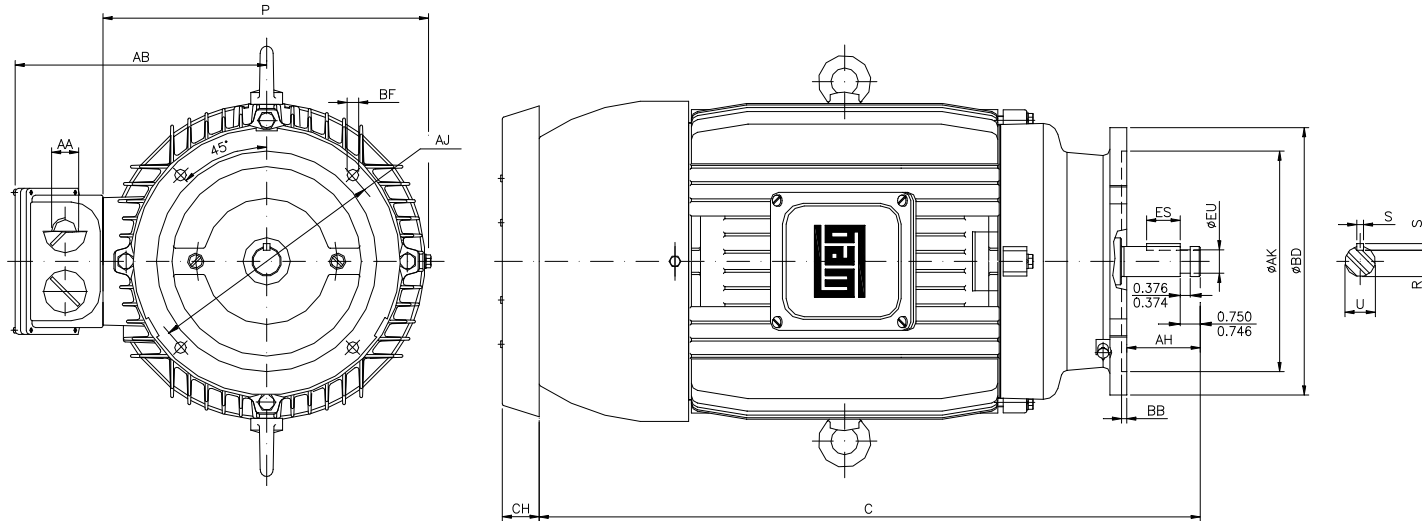
B

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	13.421	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 143HP - IP55

12-SEP-2016



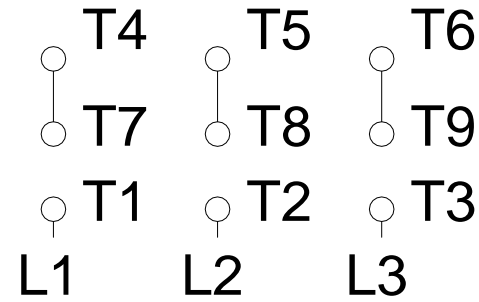
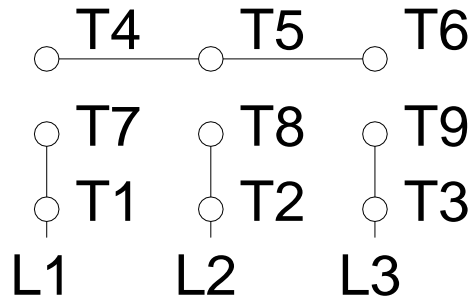
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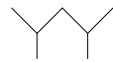
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Customer:

P-Base Motors : High Efficiency

Three-phase induction motor
 Frame 143HP - IP55

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