



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 : 00336EP3E145HP

List Price : \$822

Notes:

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Dealers Industrial Equipment

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Date: 12-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : 145HP
Output : 3 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3450 rpm
Slip : 4.17 %
Voltage : 230/460 V
Rated current : 7.42/3.71 A
Locked rotor current : 63.8/31.9 A
Locked rotor current (I_L/I_N) : 8.6
No-load current : 2.90/1.45 A
Full load torque : 4.51 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 7 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 51 lb
Moment of inertia : 0.05458 sq.ft.lb
Noise level : 68 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.87	85.5
75%	0.83	84.5
50%	0.70	81.0

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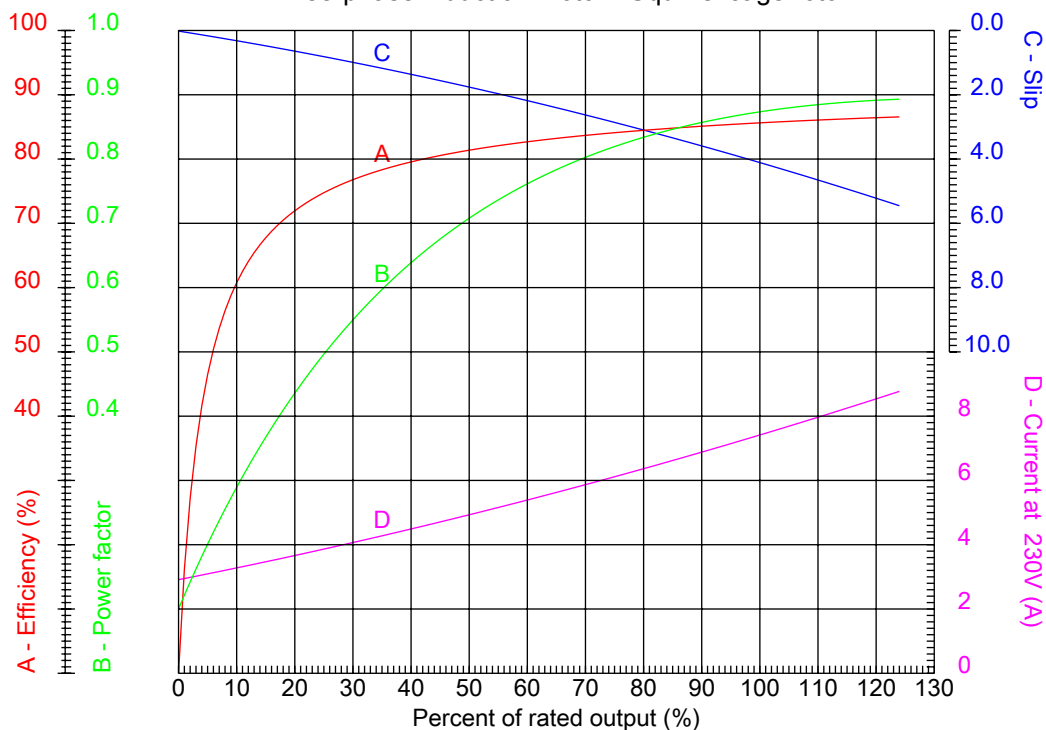
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 145HP	Locked rotor current (I _L /I _n)	: 8.6
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3450 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 230 %
Rated current	: 7.42/3.71 A	Breakdown torque	: 240 %
Insulation class	: F		

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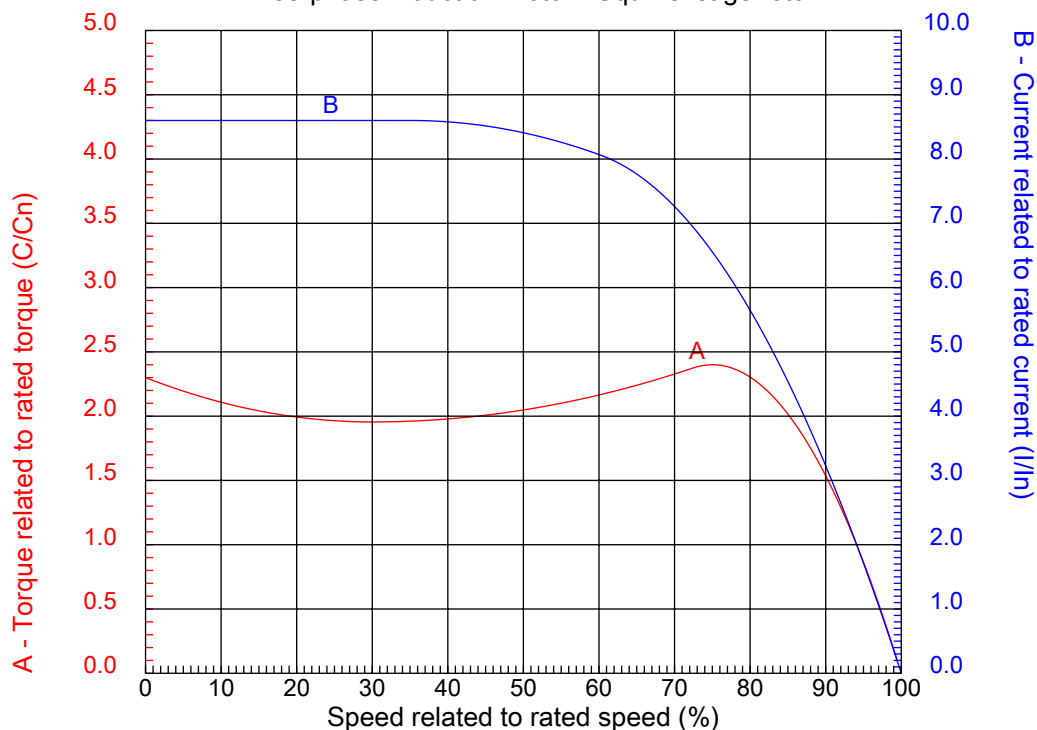
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 145HP	Locked rotor current (I _L /I _n)	: 8.6
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3450 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 230 %
Rated current	: 7.42/3.71 A	Breakdown torque	: 240 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

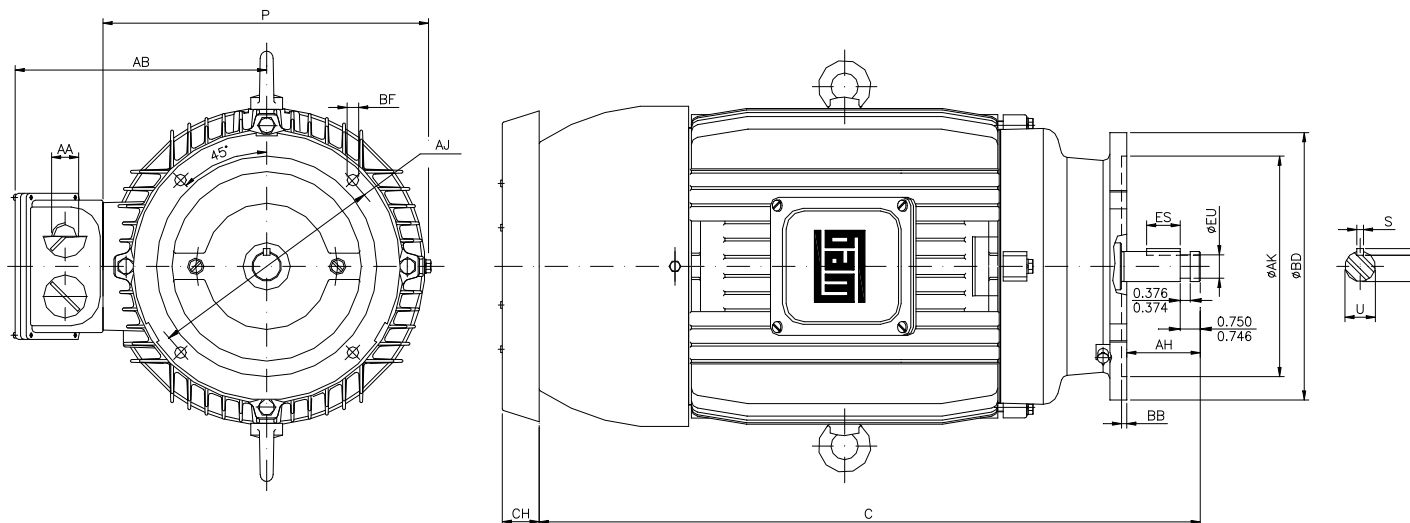
B

C

D

E

F



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Customer:

P-Base Motors : High Efficiency

Three-phase induction motor
Frame 145HP - IP55

12-SEP-2016



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

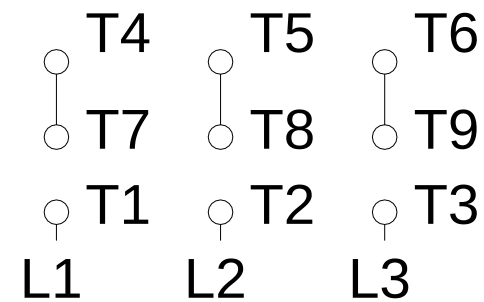
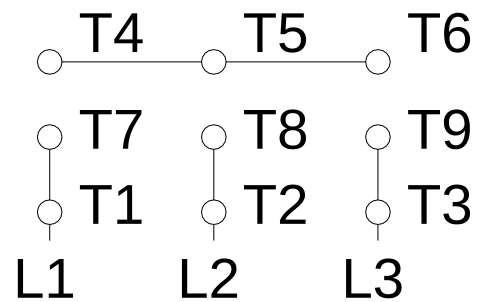
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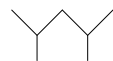
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Customer:

P-Base Motors : High Efficiency

Three-phase induction motor
Frame 145HP - IP55

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