



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 : 00156EP3E143HP

List Price : \$546

Notes:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : 143HP
Output : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3480 rpm
Slip : 3.33 %
Voltage : 230/460 V
Rated current : 4.14/2.07 A
Locked rotor current : 35.2/17.6 A
Locked rotor current (I_L/I_n) : 8.5
No-load current : 2.00/1.00 A
Full load torque : 2.23 lb.ft
Locked rotor torque : 300 %
Breakdown torque : 400 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 15 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 42 lb
Moment of inertia : 0.03607 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%	0.81	82.5
75%	0.74	81.5
50%	0.64	78.5

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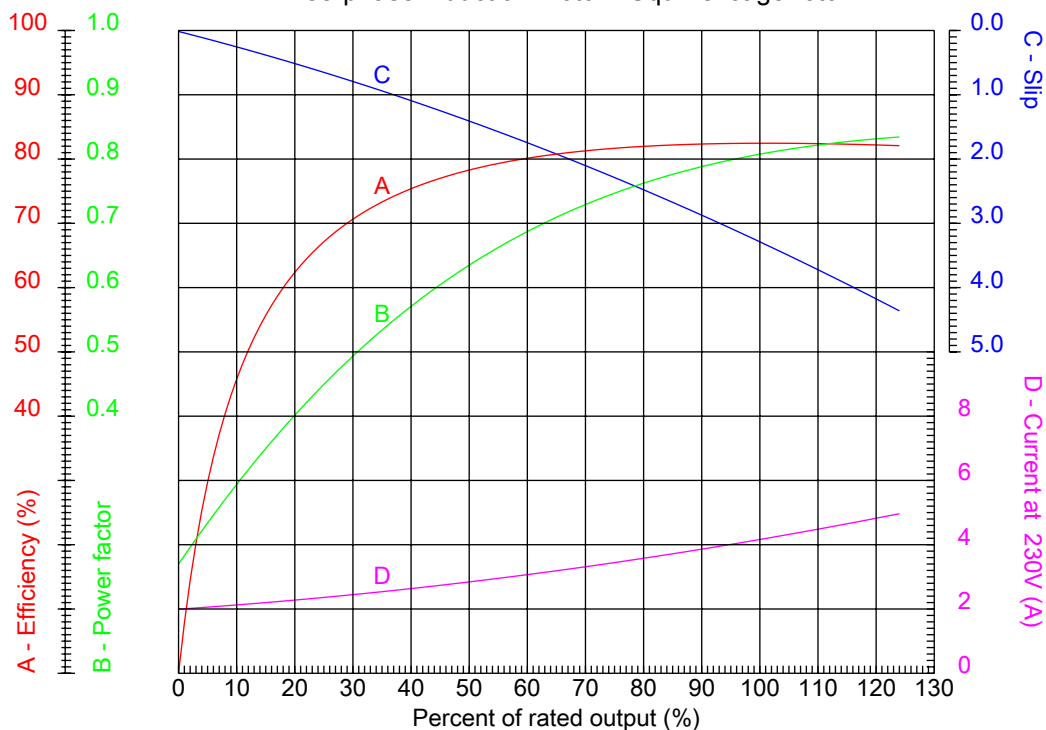
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 143HP	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	: 3480 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 300 %
Rated current	: 4.14/2.07 A	Breakdown torque	: 400 %
Insulation class	: F		

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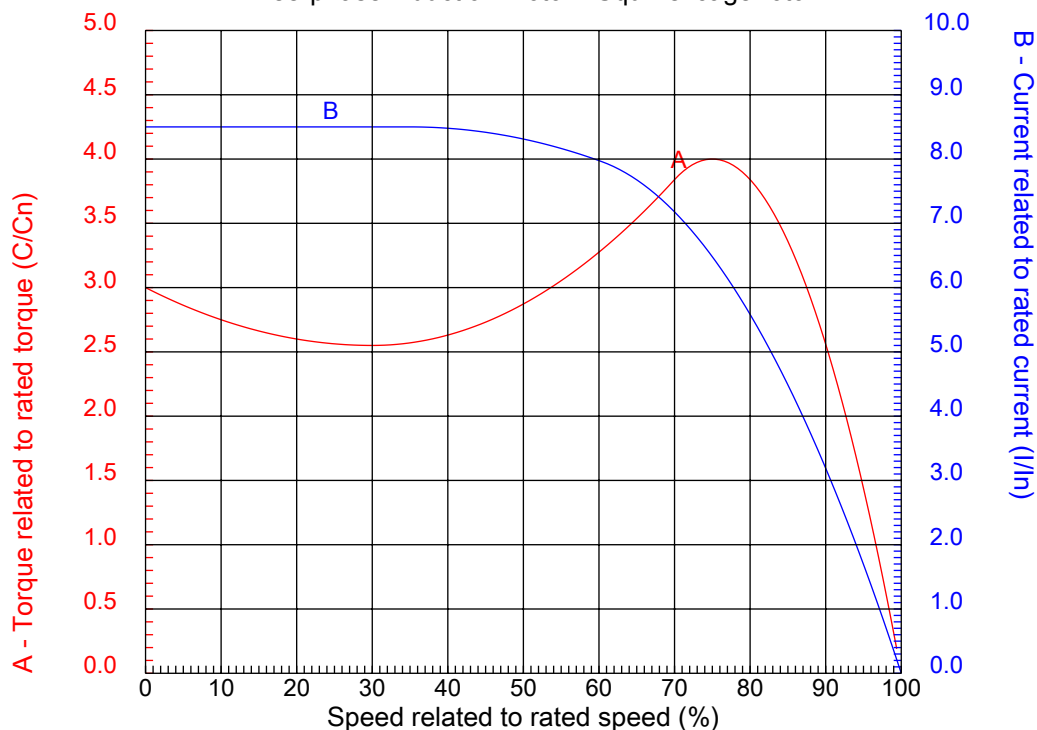
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



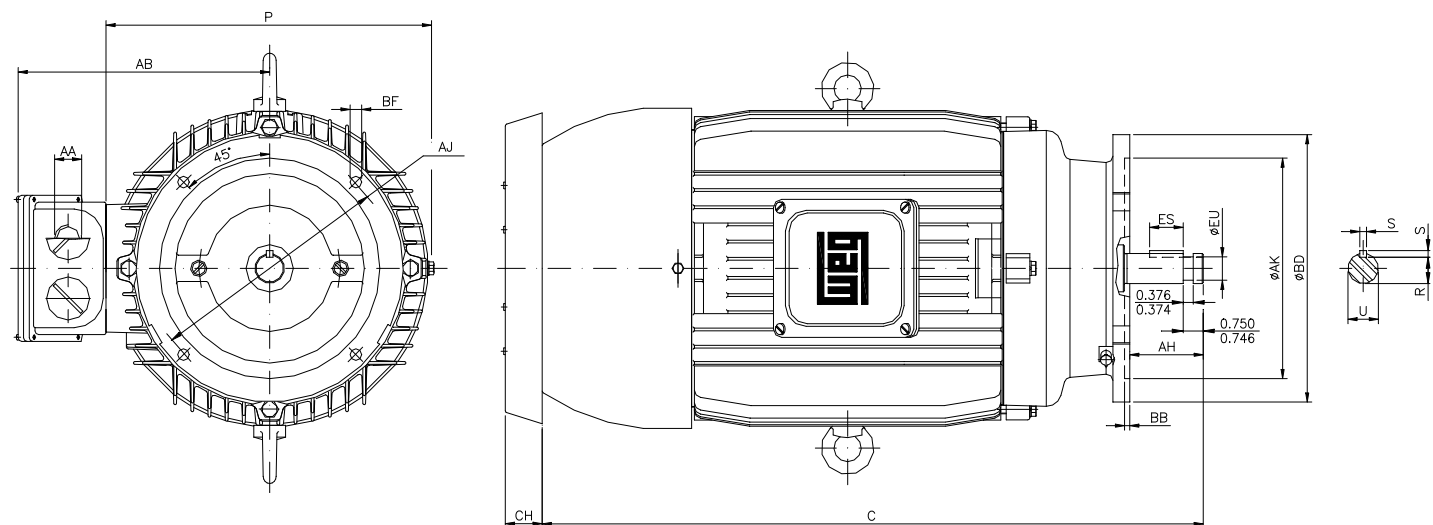
Customer :
Product line : P-Base Motors : High Efficiency

Frame	: 143HP	Locked rotor current (I _L /I _n)	: 8.5
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3480 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 300 %
Rated current	: 4.14/2.07 A	Breakdown torque	: 400 %
Insulation class	: F		

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Customer:

P-Base Motors : High Efficiency

Three-phase induction motor
Frame 143HP - 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 13.421	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			

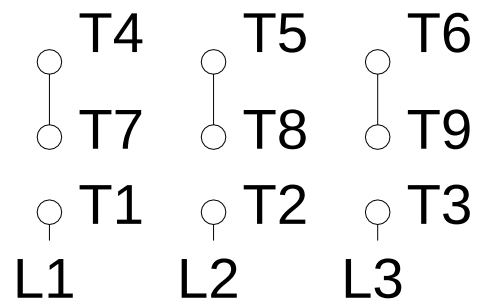
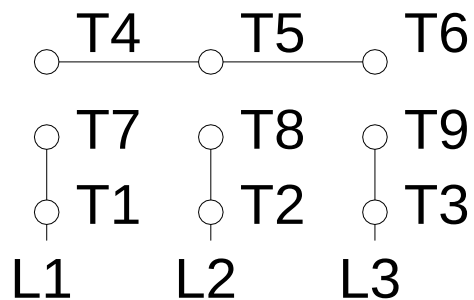
1 2 3 4 5 6 7 8

A

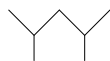
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Customer:

P-Base Motors : High Efficiency

Three-phase induction motor
Frame 143HP - IP55

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