



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : P-Base Motors : High Efficiency

Catalog Number : 05036EP3E324HP

List Price : \$6,153

Notes:

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Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 324HP
Output : 50 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3555 rpm
Slip : 1.25 %
Voltage : 230/460 V
Rated current : 113/56.5 A
Locked rotor current : 735/367 A
Locked rotor current (I_L/I_n) : 6.5
No-load current : 25.0/12.5 A
Full load torque : 72.9 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 230 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 33 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%	0.89	92.4
75%	0.88	92.4
50%	0.83	91.0

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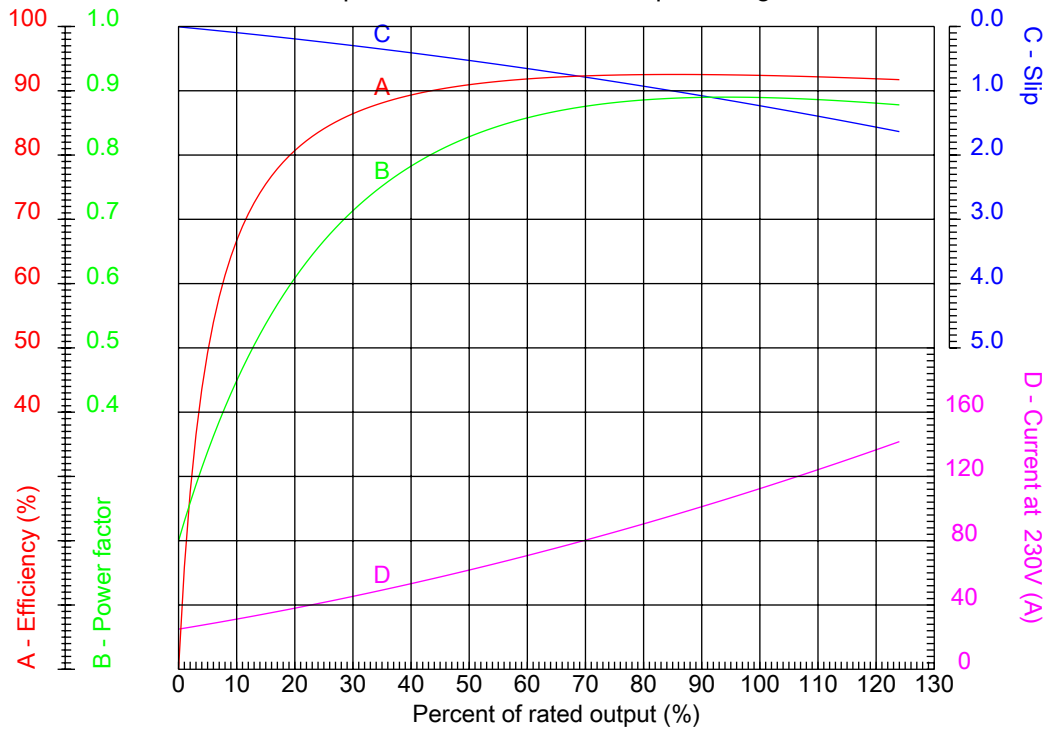
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 324HP	Locked rotor current (I _l /I _n) : 6.5
Output : 50 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25
Full load speed : 3555 rpm	Design : B
Voltage : 230/460 V	Locked rotor torque : 230 %
Rated current : 113/56.5 A	Breakdown torque : 230 %
Insulation class : F	

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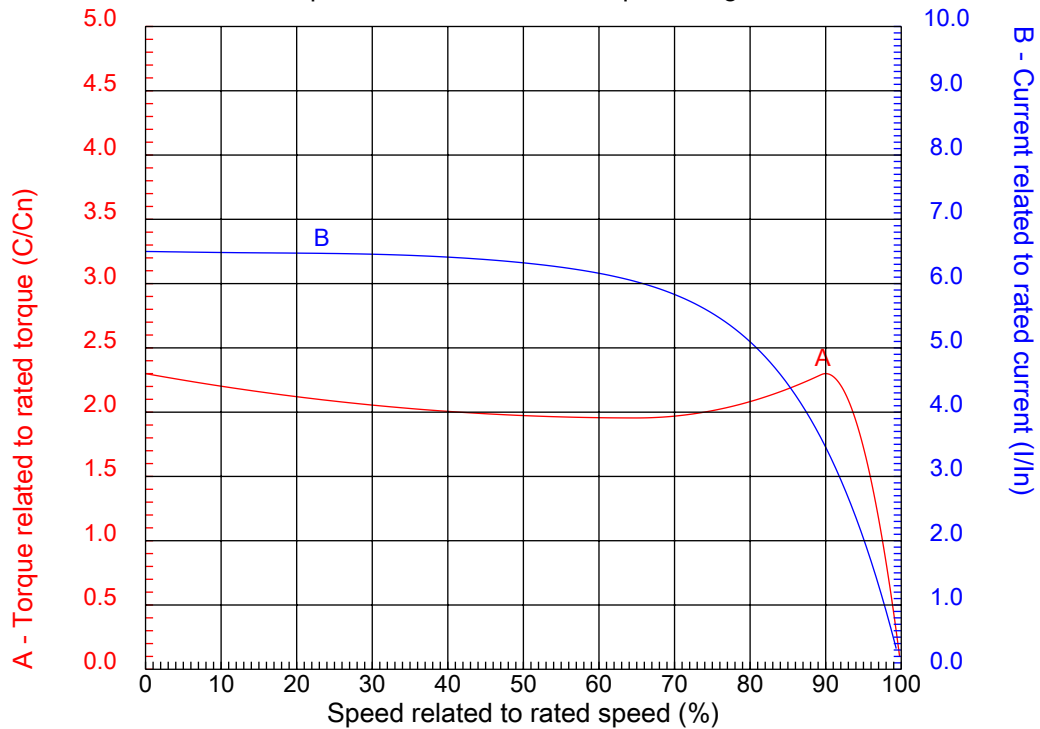
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Date: 23-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 324HP	Locked rotor current (I _l /I _n)	: 6.5
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3555 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 230 %
Rated current	: 113/56.5 A	Breakdown torque	: 230 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

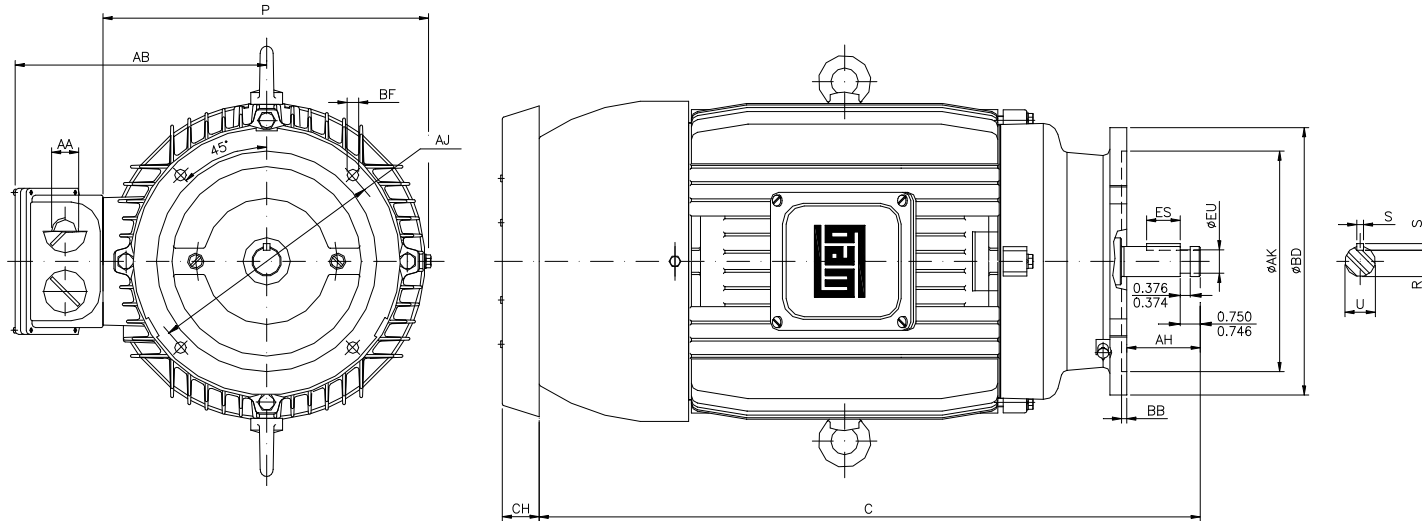
B

C

D

E

F



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Customer:

P-Base Motors : High Efficiency

ES 3.150	S 0.375	EU 1.250	U 1.625	R 1.415
P 15.591	AH 4.500	AB 11.496	C 30.403	CH 2.634
AA NPT 2"	Flange D-254	AJ 14.750	AK 13.500	BD 16.500
BF 0.687	BB 0.250			

Three-phase induction motor
Frame 324HP - IP55

23-SEP-2016



1 2 3 4 5 6 7 8

A
B
C
D
E
F

LOW VOLTAGE

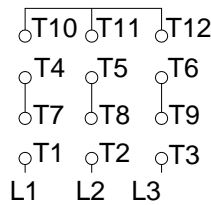
HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Customer:

P-Base Motors : High Efficiency

Three-phase induction motor
Frame 324HP - IP55

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