



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 : -

List Price : \$-

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 : 254HP
Output : 20 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3520 rpm
Slip : 2.22 %
Voltage : 230/460 V
Rated current : 46.6/23.3 A
Locked rotor current : 289/144 A
Locked rotor current (I_L/I_n) : 6.2
No-load current : 10.0/5.00 A
Full load torque : 29.4 lb.ft
Locked rotor torque : 180 %
Breakdown torque : 220 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 21 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 280 lb
Moment of inertia : 1.3963 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6209 C3
Regreasing interval	5758 h	9224 h
Grease amount	18 g	9 g

Load	Power factor	Efficiency (%)
100%	0.90	90.2
75%	0.90	90.5
50%	0.86	89.5

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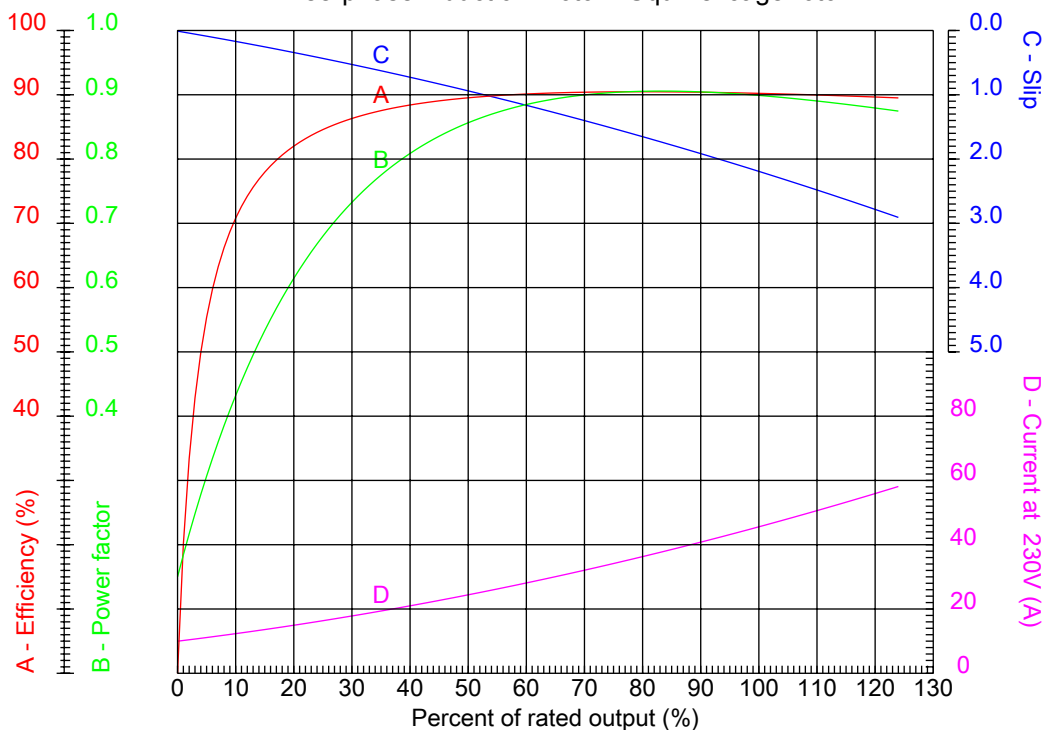
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 254HP	Locked rotor current (I _l /I _n)	: 6.2
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3520 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 180 %
Rated current	: 46.6/23.3 A	Breakdown torque	: 220 %
Insulation class	: F		

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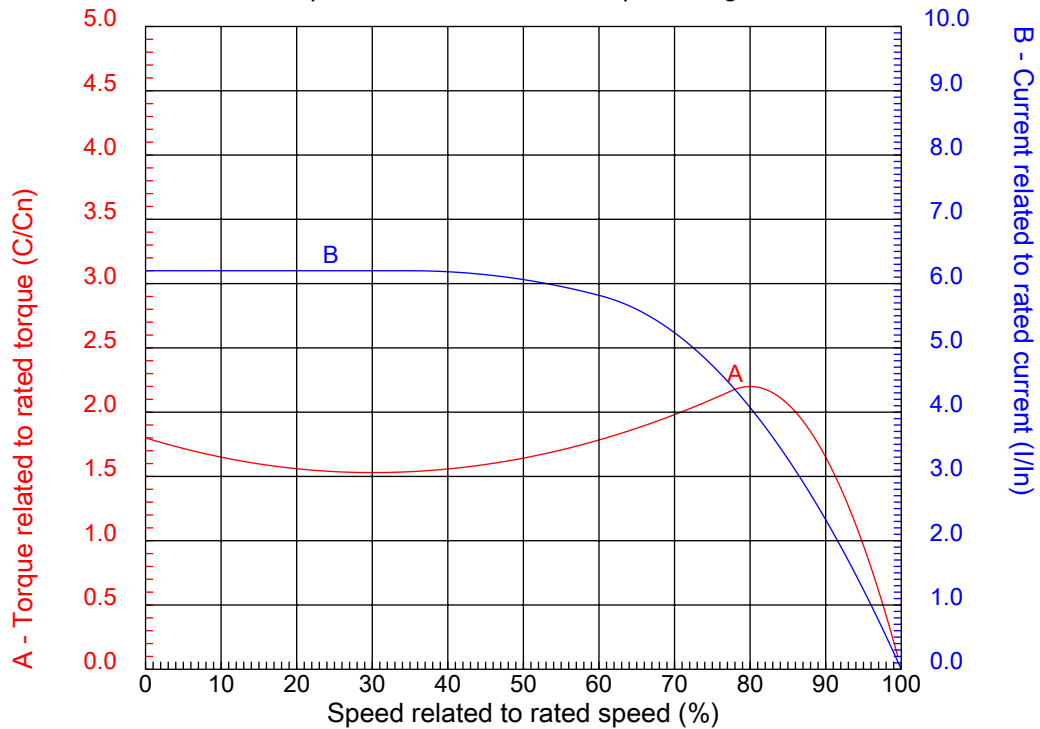
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 254HP	Locked rotor current (I _l /I _h)	: 6.2
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3520 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 180 %
Rated current	: 46.6/23.3 A	Breakdown torque	: 220 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

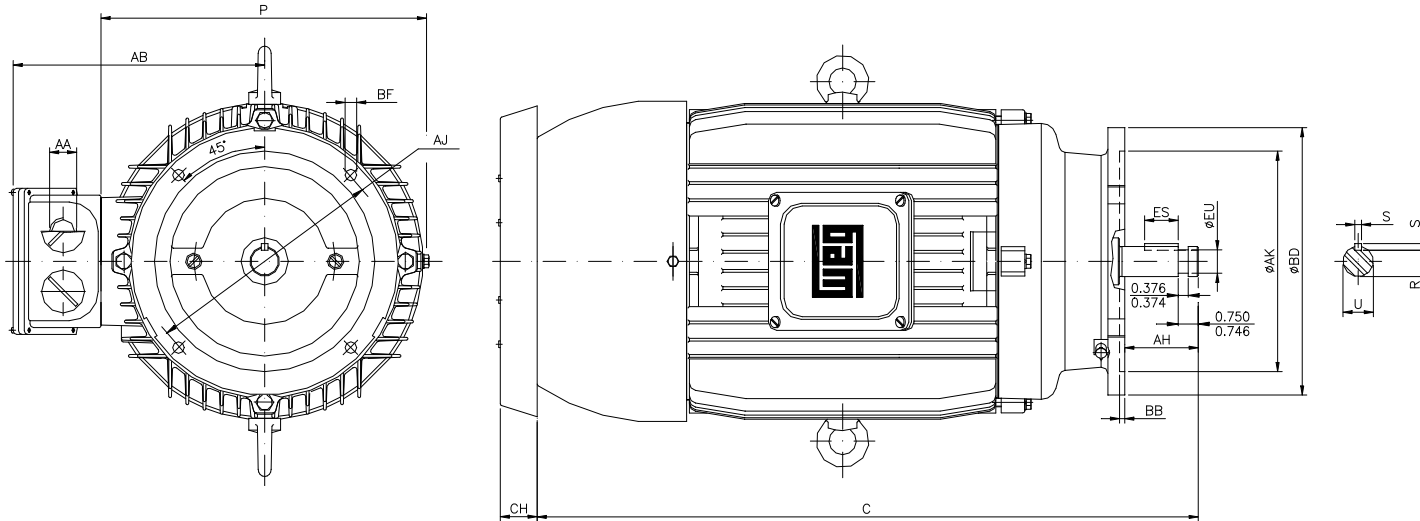
B

C

D

E

F



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Customer:

P-Base Motors : High Efficiency

ES 1.250	S 0.250	BB 0.000	EU 0.875	U 1.125
R 0.984	P 12.283	AH 2.750	AB 10.079	C 23.723
CH 1.850	AA NPT 1 1/2"			

Three-phase induction motor
Frame 254HP - IP55

23-SEP-2016

