



No.:

Date: 27-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase : Explosion Proof - NEMA Premium

Catalog Number : 04036XT3H324TS

List Price : \$5,583

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 324TS
Output : 40 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3555
Slip : 1.25 %
Voltage : 575 V
Rated current : 36.6 A
Locked rotor current : 242 A
Locked rotor current (I_L/I_n) : 6.6
No-load current : 9.40 A
Full load torque : 58.3 lb.ft
Locked rotor torque : 270 %
Breakdown torque : 270 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 43 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP54
Approximate weight : 639 lb
Moment of inertia : 4.6160 sq.ft.lb
Noise level : 81 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 C3	6212 Z-C3	100%	0.88	93.6
Regreasing interval	9829 h	12143 h	75%	0.86	93.6
Grease amount	21 g	13 g	50%	0.80	92.4

Notes:

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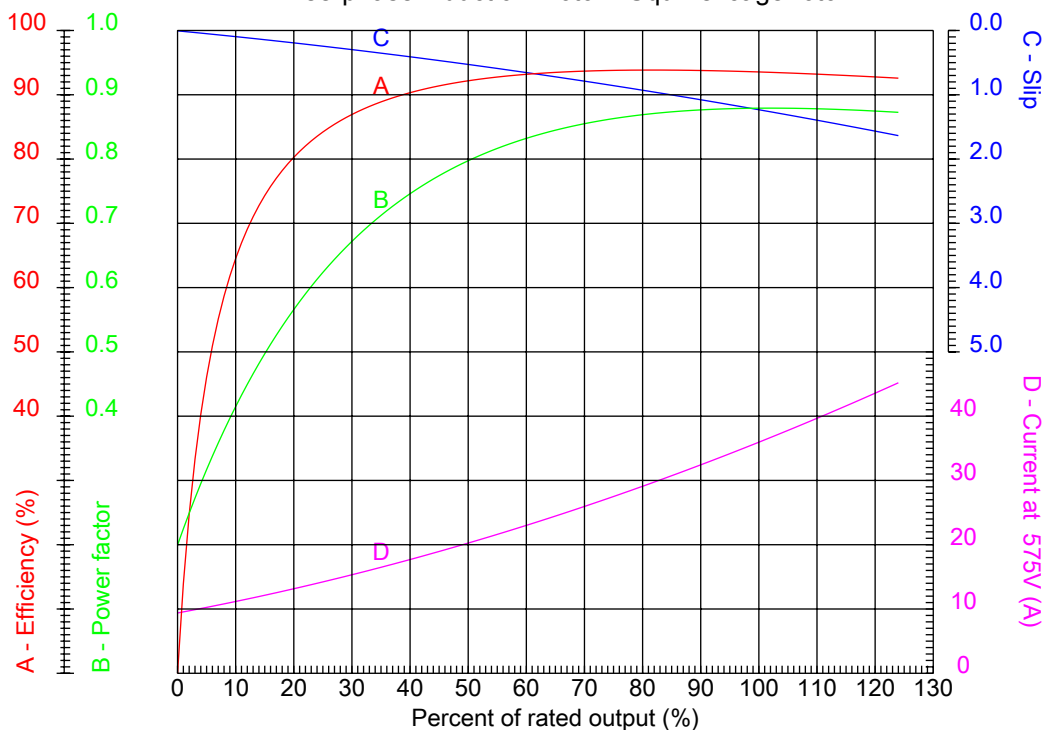


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 324TS	Locked rotor current (I _L /I _n) : 6.6
Output : 40 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 3555	Design : B
Voltage : 575 V	Locked rotor torque : 270 %
Rated current : 36.6 A	Breakdown torque : 270 %
Insulation class : F	

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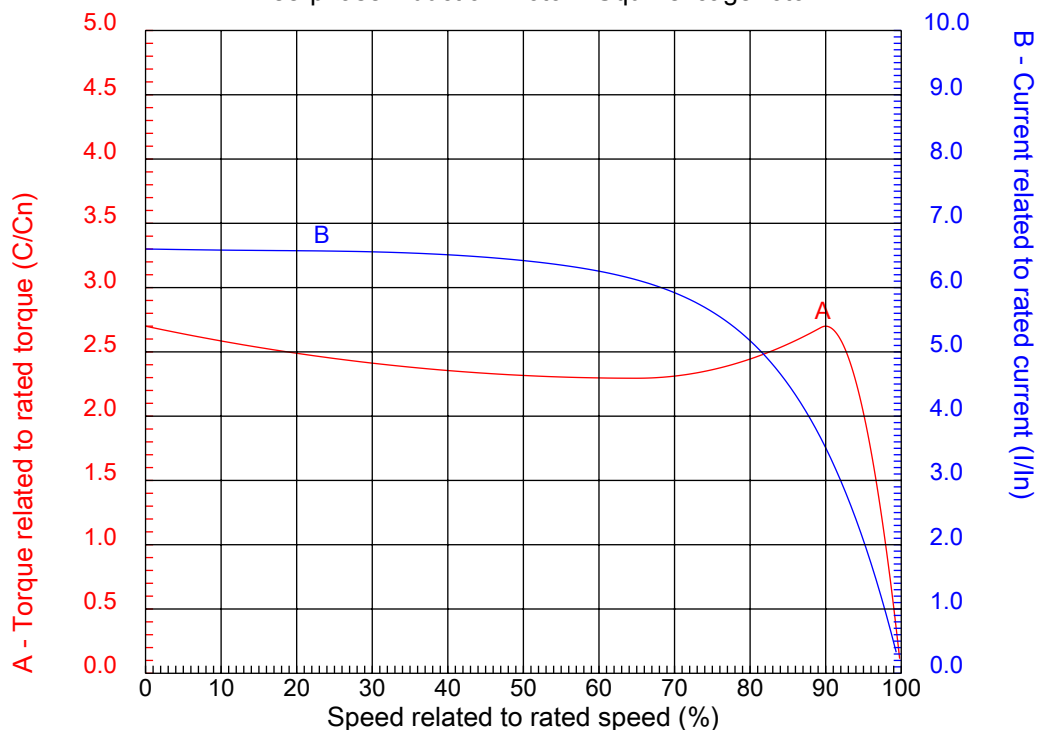


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame	: 324TS	Locked rotor current (I _l /I _n)	: 6.6
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3555	Design	: B
Voltage	: 575 V	Locked rotor torque	: 270 %
Rated current	: 36.6 A	Breakdown torque	: 270 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

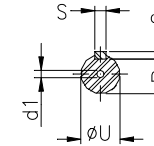
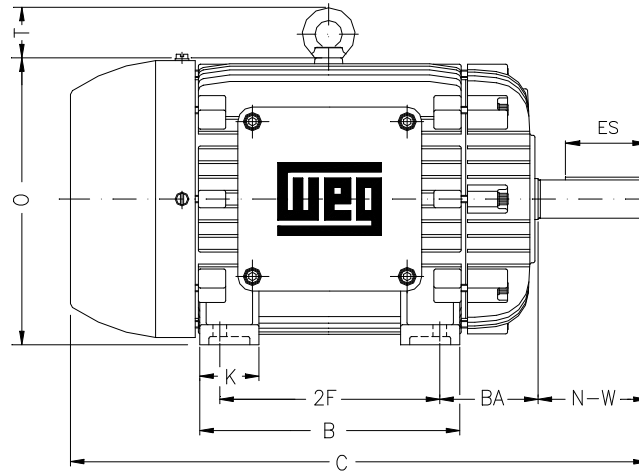
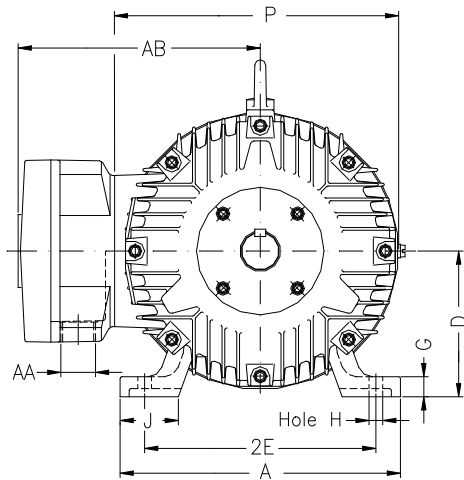
B

C

D

E

F



Notes:

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Customer:

Three-Phase : Explosion Proof - NEMA Premium

Three-phase induction motor
Frame 324TS - IP54

27-DEC-2012



2E 12.500	A 15.157	2F 10.500	B 13.071	BA 5.250
J 3.228	K 3.346	P 15.697	ES 2.756	depth 0.500
S 0.500	N-W 3.750	U 1.875	R 1.594	AB 12.961
D 8.000	G 1.307	O 15.992	HD 18.787	H 0.657
C 28.102	AA NPT 2"	d1 A 4	d2 A 4	T 2.795
Flange FD-406	AJ 16.000	AK 14.000	BD 18.000	BF 0.828
BB 0.203				