



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 : 01036XT3E215T

List Price : \$1,727

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 : 215T
Output : 10 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3535
Slip : 1.81 %
Voltage : 208-230/460 V
Rated current : 26.5-24.0/12.0 A
Locked rotor current : 221/110 A
Locked rotor current (I_L/I_n) : 9.2
No-load current : 10.2/5.10 A
Full load torque : 14.7 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 350 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP54
Approximate weight : 201 lb
Moment of inertia : 0.55125 sq.ft.lb
Noise level : 72 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6308 ZZ	6207 ZZ	100%	0.87	90.2
Regreasing interval	---	---	75%	0.81	89.5
Grease amount	---	---	50%	0.71	88.5

Notes:

Performed by

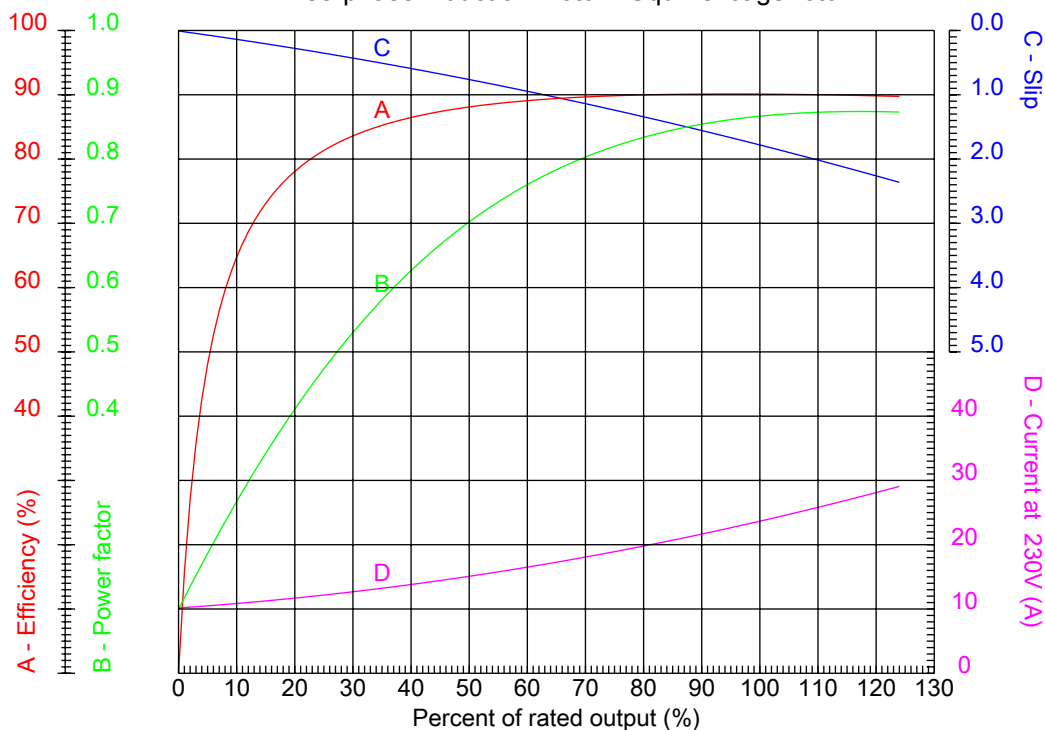
Checked



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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	: 215T	Locked rotor current (I _l /I _n)	: 9.2
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3535	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 26.5-24.0/12.0 A	Breakdown torque	: 350 %
Insulation class	: F		

Notes:

Performed by

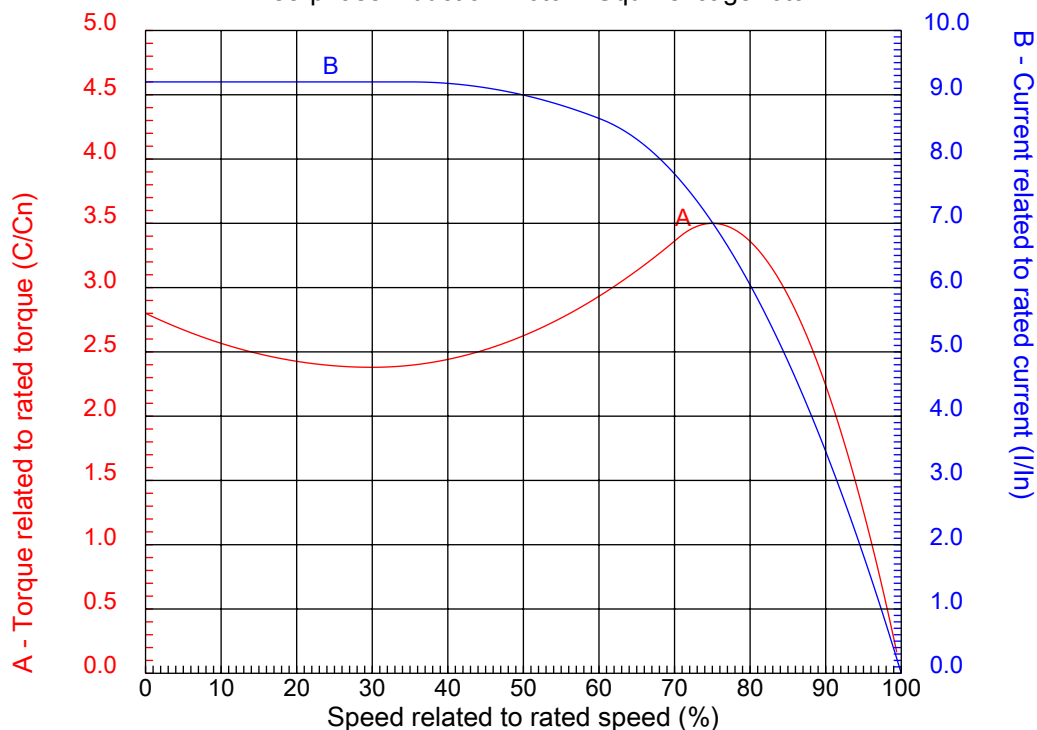
Checked



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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	: 215T	Locked rotor current (I _l /I _{ln})	: 9.2
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3535	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 26.5-24.0/12.0 A	Breakdown torque	: 350 %
Insulation class	: F		

Notes:

Performed by

Checked

1 2 3 4 5 6 7 8

A

B

C

D

E

F



Notes:

Performed by:

Checked:

Customer:

Three-Phase : Explosion Proof - NEMA Premium

Three-phase induction motor
Frame 215T - IP54

27-DEC-2012



2E 8.500	A 9.764	2F 7.000	B 8.898	BA 3.500
J 2.008	K 2.165	P 10.709	ES 2.480	depth 0.313
S 0.313	N-W 3.375	U 1.375	R 1.203	AB 9.252
D 5.250	G 0.827	O 11.156	HD 12.928	H 0.406
C 19.450	AA NPT 1"	d1 A 4	d2 A 4	T 1.772
Flange FD-254	AJ 10.000	AK 9.000	BD 11.000	BF 0.562
BB 0.203				