



No.:

Date: 17-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 NEMA Premium - Ball Bearings

Catalog Number : 06036ET3E364TS-W22

List Price : \$7,552

Notes:

Performed by:

Checked:



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## DATA SHEET

### Three-phase induction motor - Squirrel cage rotor

Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame : 364/5TS  
Output : 60 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3560  
Slip : 1.11 %  
Voltage : 208-230/460 V  
Rated current : 148-134/67.0 A  
Locked rotor current : 884/442 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.6  
No-load current : 30.0/15.0 A  
Full load torque : 87.3 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 14 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP55  
Approximate weight : 825 lb  
Moment of inertia : 10.642 sq.ft.lb  
Noise level : 79 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.90	93.6
Regreasing interval	4000 h	4000 h	75%	0.88	93.0
Grease amount	27 g	27 g	50%	0.81	91.7

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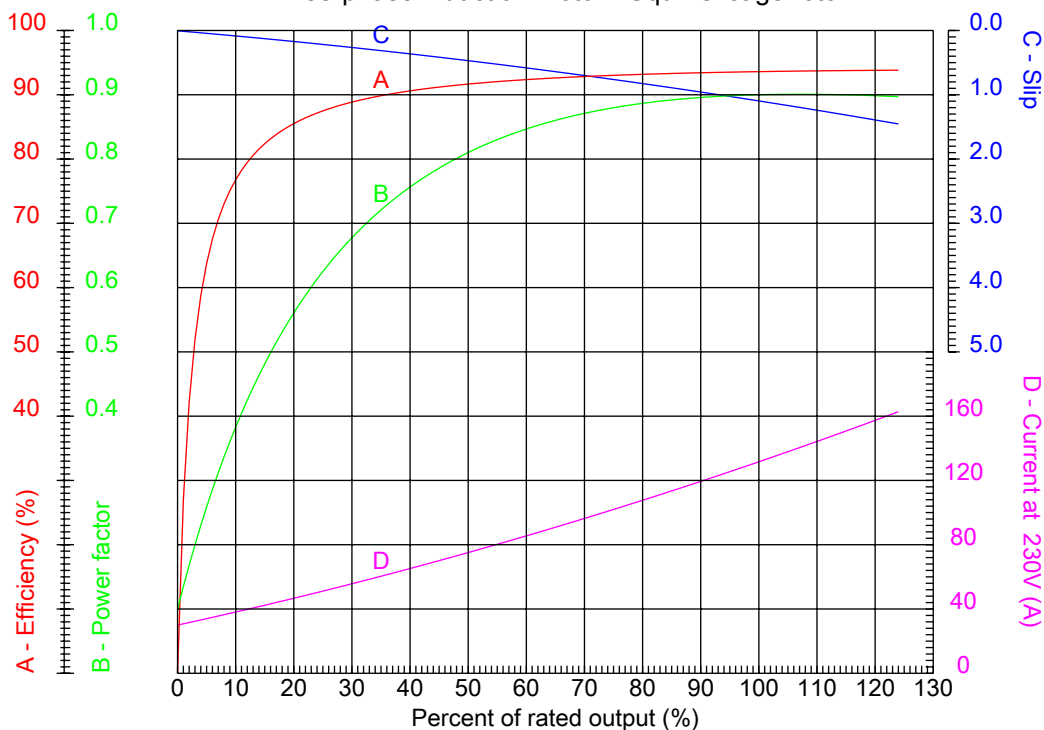


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### PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame	: 364/5TS	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.6
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3560	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 148-134/67.0 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:

Performed by

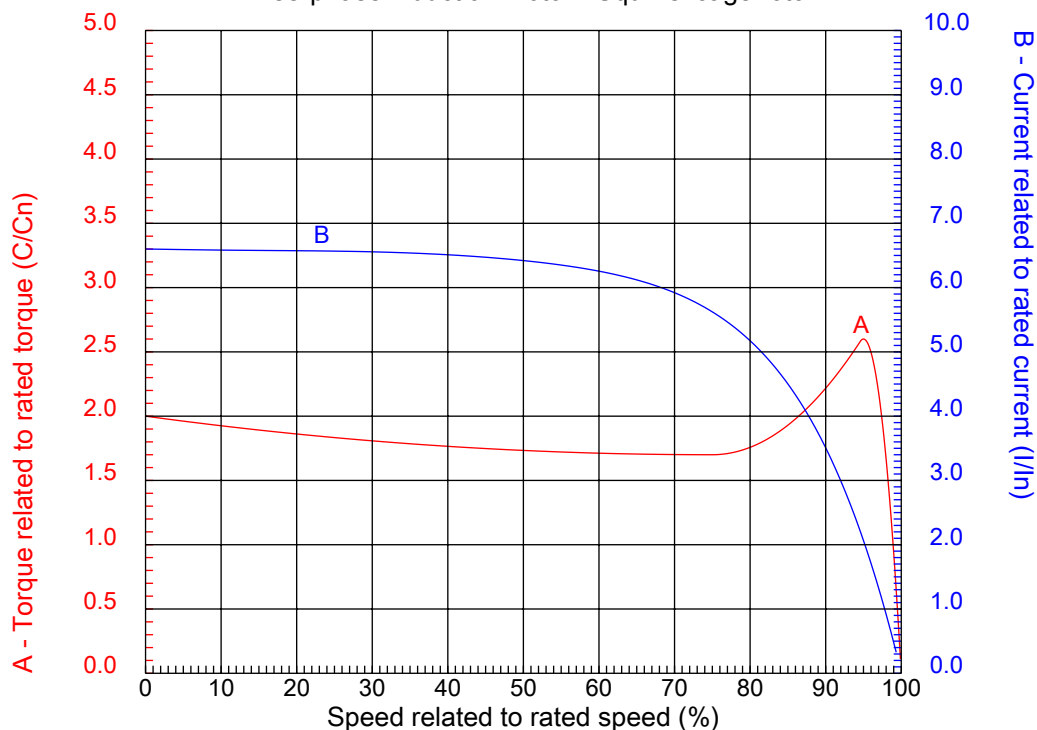
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### CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame	: 364/5TS	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.6
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3560	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 148-134/67.0 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:

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1 2 3 4 5 6 7 8

A

B

C

D

E

F



Notes:

Performed by:

Checked:

Customer:

W22 NEMA Premium - Ball Bearings

Three-phase induction motor  
Frame 364/5TS - IP55

17-DEC-2012



2E 14.016	J 3.150	A 17.165	P 17.914	AB 16.023
2F 11.260/12.244	K 4.134	B 15.760	BA 5.875	U 1.875
N-W 3.748	ES 1.968	S 0.500	R 1.591	depth 0.500
D 9.000	G 1.480	HB 2.992	O 17.957	T 6.255
HH 12.362	HK 6.023	H 0.660	C 32.276	LL 10.590
LM 11.181	AA NPT 3"	d1 DUNC 3/4"-10	d2 DUNC 3/4"-10	Flange FD-406
AJ 16.000	AK 14.000	BD 17.71	BF 0.828	BB 0.203