



No.:

Date: 17-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 NEMA Premium - Ball Bearings

Catalog Number : 35009ET3G586/7-W22

List Price : \$86,909

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 : 586/7T  
Output : 350 HP  
Frequency : 60 Hz  
Poles : 8  
Full load speed : 895  
Slip : 0.56 %  
Voltage : 460 V  
Rated current : 426 A  
Locked rotor current : 2730 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
No-load current : 190 A  
Full load torque : 2026 lb.ft  
Locked rotor torque : 160 %  
Breakdown torque : 230 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 34 s (hot)  
Service factor : 1.00  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP55  
Approximate weight : 4309 lb  
Moment of inertia : 484.35 sq.ft.lb  
Noise level : 75 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6322 C3	6319 C3	100%	0.80	95.8
Regreasing interval	14000 h	17000 h	75%	0.75	95.8
Grease amount	60 g	45 g	50%	0.64	95.4

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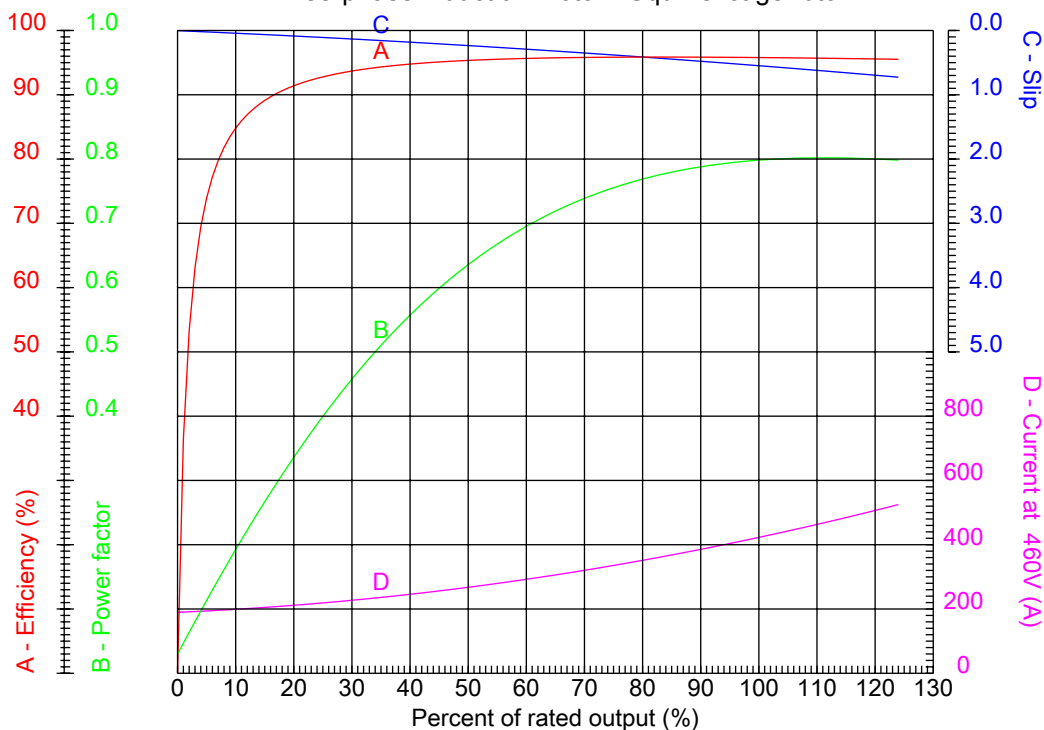


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### PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame : 586/7T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 6.4
Output : 350 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.00
Full load speed : 895	Design : B
Voltage : 460 V	Locked rotor torque : 160 %
Rated current : 426 A	Breakdown torque : 230 %
Insulation class : F	

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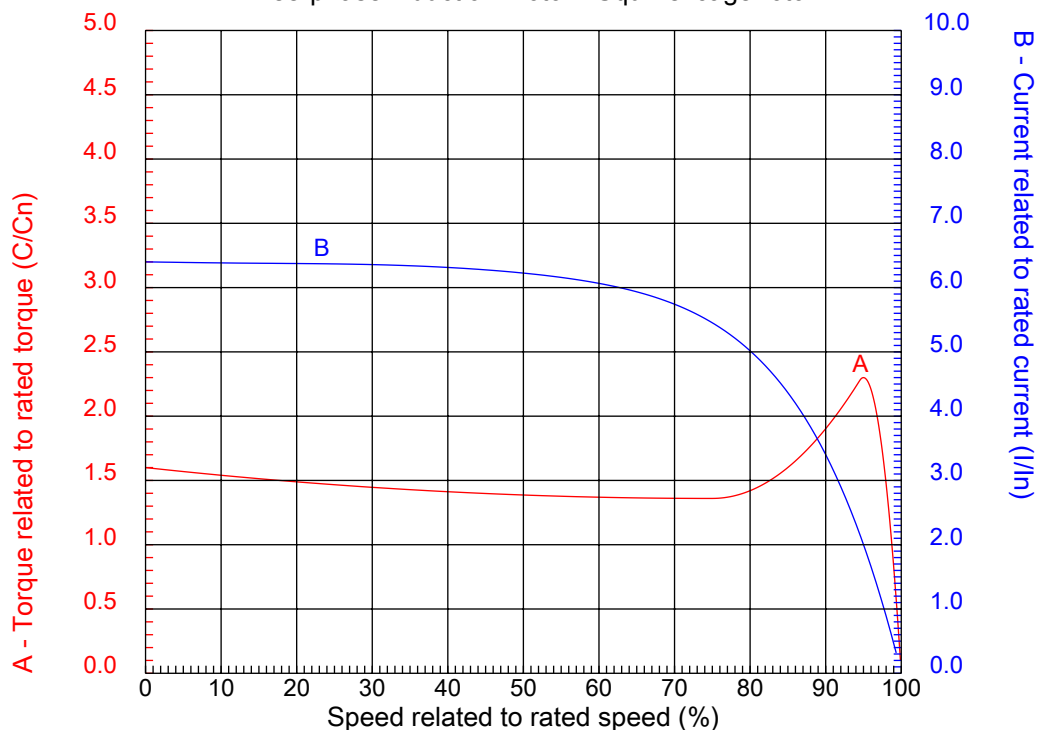


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### CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame	: 586/7T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.4
Output	: 350 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.00
Full load speed	: 895	Design	: B
Voltage	: 460 V	Locked rotor torque	: 160 %
Rated current	: 426 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:

W22 NEMA Premium - Ball Bearings

Three-phase induction motor  
Frame 586/7T - IP55

17-DEC-2012



2E 23.000	J 5.512	A 29.528	P 28.977	AB 23.977
2F 22.000/25.000	K 9.055	B 29.921	BA 10.000	U 3.875
N-W 11.625	ES 8.661	S 1.000	R 3.312	depth 1.000
D 14.500	G 2.492	HB 18.673	O 28.985	T 5.552
HF 26.732	HG 33.346	HH 13.386	HK 8.464	H 1.181
C 61.902	LL 15.906	LM 17.244	AA 2XNPT 3"	d1 DUNC 7/8"-9
d2 DUNC 3/4"-10	Flange FD-762	AJ 30.000	AK 28.000	BD 32.00
BF 0.828	BB 0.250			