



No.:

Date: 21-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 Super Premium

Catalog Number : 15018EG3G445T-W22

List Price : \$19,162

Notes:

Performed by:

Checked:



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## DATA SHEET

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

Customer :  
Product line : W22 Super Premium

Frame : 444/5T  
Output : 150 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1785  
Slip : 0.83 %  
Voltage : 460 V  
Rated current : 170 A  
Locked rotor current : 1510 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.9  
No-load current : 71.0 A  
Full load torque : 435 lb.ft  
Locked rotor torque : 250 %  
Breakdown torque : 300 %  
Design : A  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 30 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP55  
Approximate weight : 1951 lb  
Moment of inertia : 78.506 sq.ft.lb  
Noise level : 73 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6319 C3	6316 C3	100%	0.84	96.5
Regreasing interval	8000 h	10000 h	75%	0.79	96.2
Grease amount	45 g	34 g	50%	0.68	95.4

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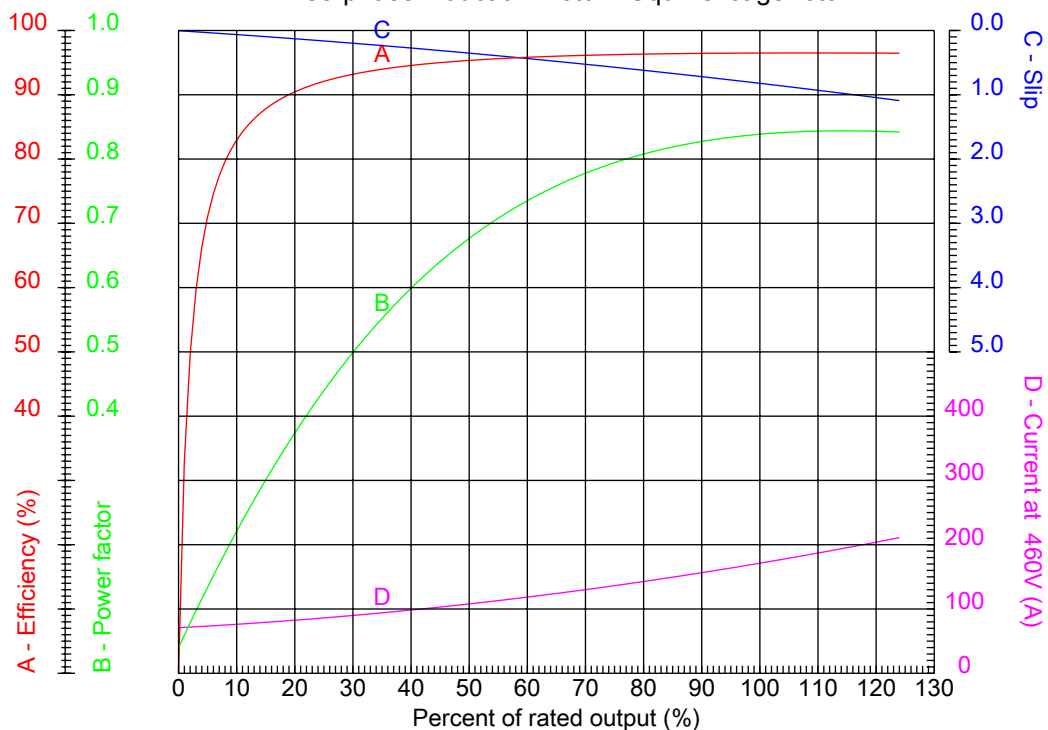


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W22 Super Premium

Frame	: 444/5T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 8.9
Output	: 150 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1785	Design	: A
Voltage	: 460 V	Locked rotor torque	: 250 %
Rated current	: 170 A	Breakdown torque	: 300 %
Insulation class	: F		

Notes:

Performed by

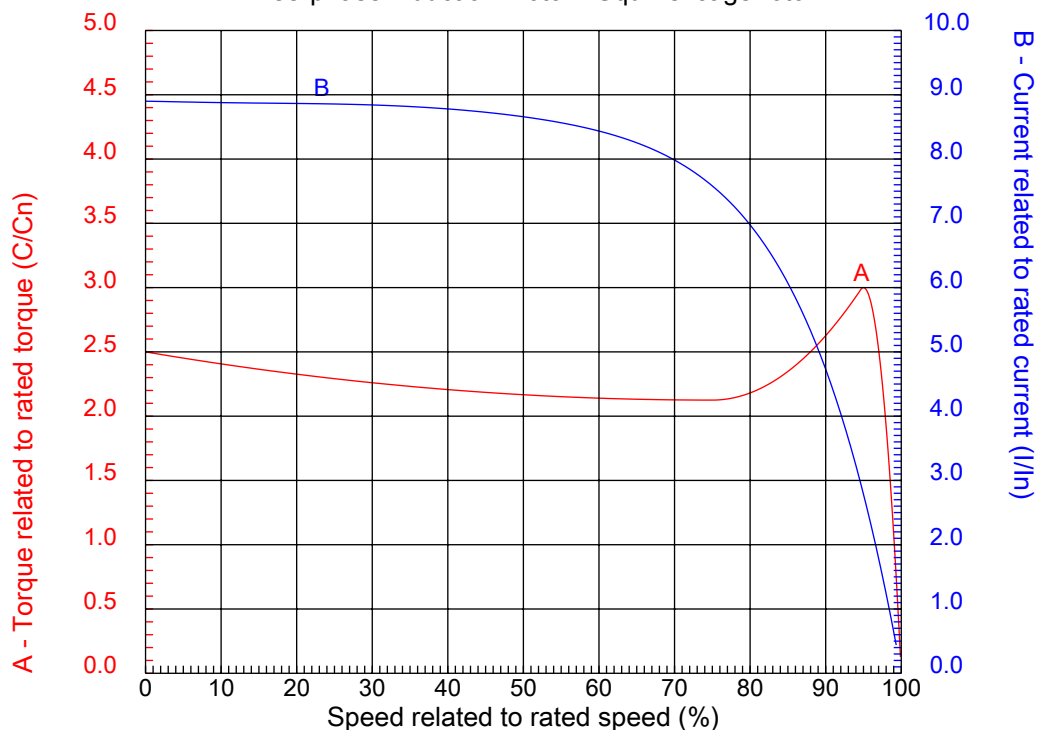
Checked



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



Customer :  
Product line : W22 Super Premium

Frame	: 444/5T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 8.9
Output	: 150 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1785	Design	: A
Voltage	: 460 V	Locked rotor torque	: 250 %
Rated current	: 170 A	Breakdown torque	: 300 %
Insulation class	: F		

Notes:

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1 2 3 4 5 6 7 8

A

B

C

D

E

F



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Checked:

Customer:

W22 Super Premium

Three-phase induction motor  
Frame 444/5T - IP55

21-DEC-2012



2E	J	A	P	AB
18.000	3.937	21.929	23.583	18.569
2F	K	B	BA	U
14.500/16.500	5.866	20.315	7.500	3.375
N-W	ES	S	R	depth
8.500	7.087	0.875	2.880	0.875
D	G	HB	O	T
11.000	1.630	5.394	22.795	4.567
HD	HH	HK	H	C
27.362	15.748	6.024	0.810	44.950
LL	LM	AA	d1	d2
12.362	12.244	2XNPT 3"	DUNC 3/4"-10	DUNC 3/4"-10
Flange	AJ	AK	BD	BF
FD-508	20.000	18.000	21.65	0.828
BB				
0.203				