



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 Super Premium

Catalog Number : 12536EG3G444TS-W22

List Price : \$16,885

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Super Premium

Frame : 444/5TS
Output : 125 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3580 rpm
Slip : 0.56 %
Voltage : 460 V
Rated current : 136 A
Locked rotor current : 1120 A
Locked rotor current (I_L/I_n) : 8.2
No-load current : 46.0 A
Full load torque : 181 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 310 %
Design : A
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 44 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1680 lb
Moment of inertia : 31.269 sq.ft.lb
Noise level : 81 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	4000 h	4000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.87	95.8
75%	0.84	95.4
50%	0.76	94.1

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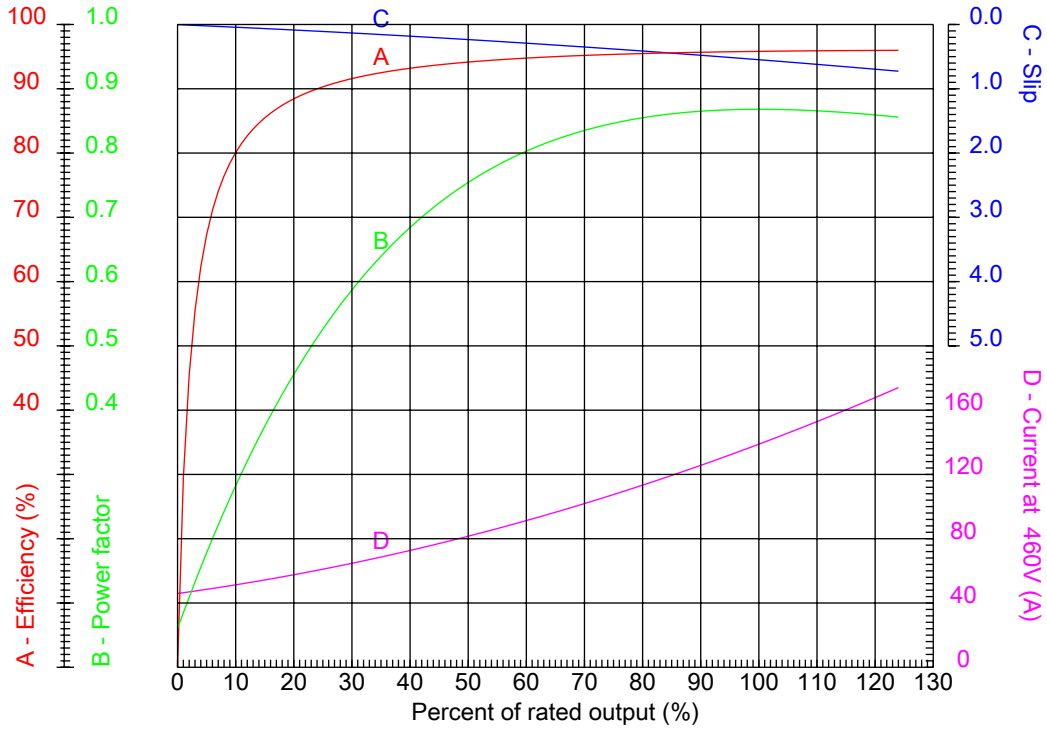
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 Super Premium

Frame : 444/5TS	Locked rotor current (I _l /I _n) : 8.2
Output : 125 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25
Full load speed : 3580 rpm	Design : A
Voltage : 460 V	Locked rotor torque : 230 %
Rated current : 136 A	Breakdown torque : 310 %
Insulation class : F	

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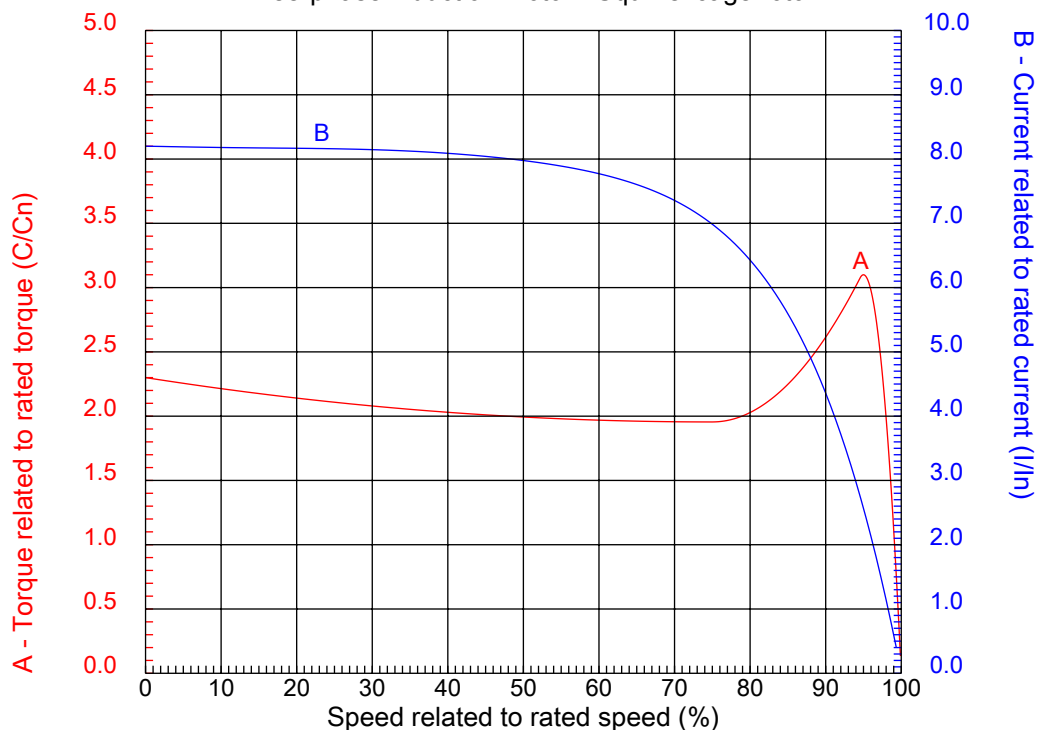
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 Super Premium

Frame	: 444/5TS	Locked rotor current (I _l /I _n)	: 8.2
Output	: 125 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3580 rpm	Design	: A
Voltage	: 460 V	Locked rotor torque	: 230 %
Rated current	: 136 A	Breakdown torque	: 310 %
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 Super Premium

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

28-SEP-2016



2E 18.000	J 3.937	A 21.929	P 23.583	AB 18.570
2F 14.500/16.500	K 5.866	B 20.315	BA 7.500	U 2.375
N-W 4.750	ES 3.000	S 0.625	R 2.021	depth 0.625
D 11.000	G 1.630	HB 5.687	O 22.795	HH 15.748
HK 5.970	H 0.810	C 41.407	LL 12.362	LM 12.283
AA 2xNPT 3"	d1 DUNC 3/4"-10			

1 2 3 4 5 6 7 8

A

PART-WINDING

WYE-DELTA

START

RUN

START

RUN

B



C

L1 L2 L3

L1 L2 L3

L1 L2 L3

L1 L2 L3

D

E

F

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Customer:

W22 Super Premium

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

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