



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 Super Premium

Catalog Number : 10018EG3E405T-W22

List Price : \$12,858

Notes:

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Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Super Premium

Frame : 404/5T
Output : 100 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1780 rpm
Slip : 1.11 %
Voltage : 208-230/460 V
Rated current : 257-232/116 A
Locked rotor current : 2040/1020 A
Locked rotor current (I_L/I_n) : 8.8
No-load current : 94.0/47.0 A
Full load torque : 291 lb.ft
Locked rotor torque : 270 %
Breakdown torque : 310 %
Design : A
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1188 lb
Moment of inertia : 28.716 sq.ft.lb
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6314 C3
Regreasing interval	10000 h	12000 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.84	96.2
75%	0.80	95.8
50%	0.70	95.4

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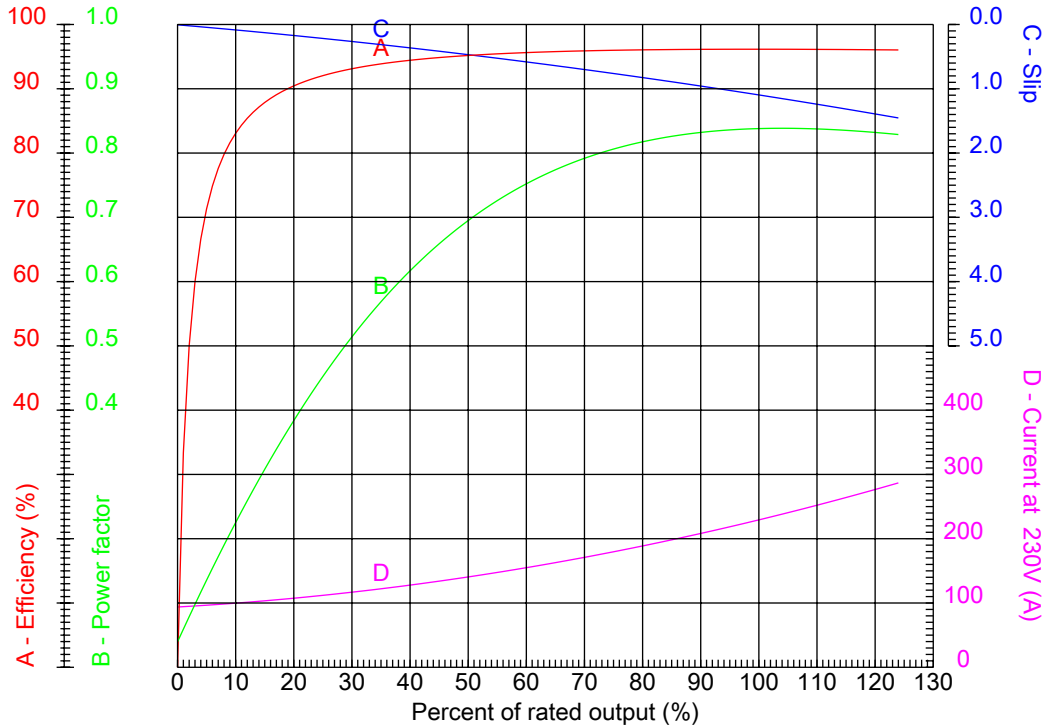
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : W22 Super Premium

Frame : 404/5T	Locked rotor current (I _l /I _n) : 8.8
Output : 100 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25
Full load speed : 1780 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 270 %
Rated current : 257-232/116 A	Breakdown torque : 310 %
Insulation class : F	

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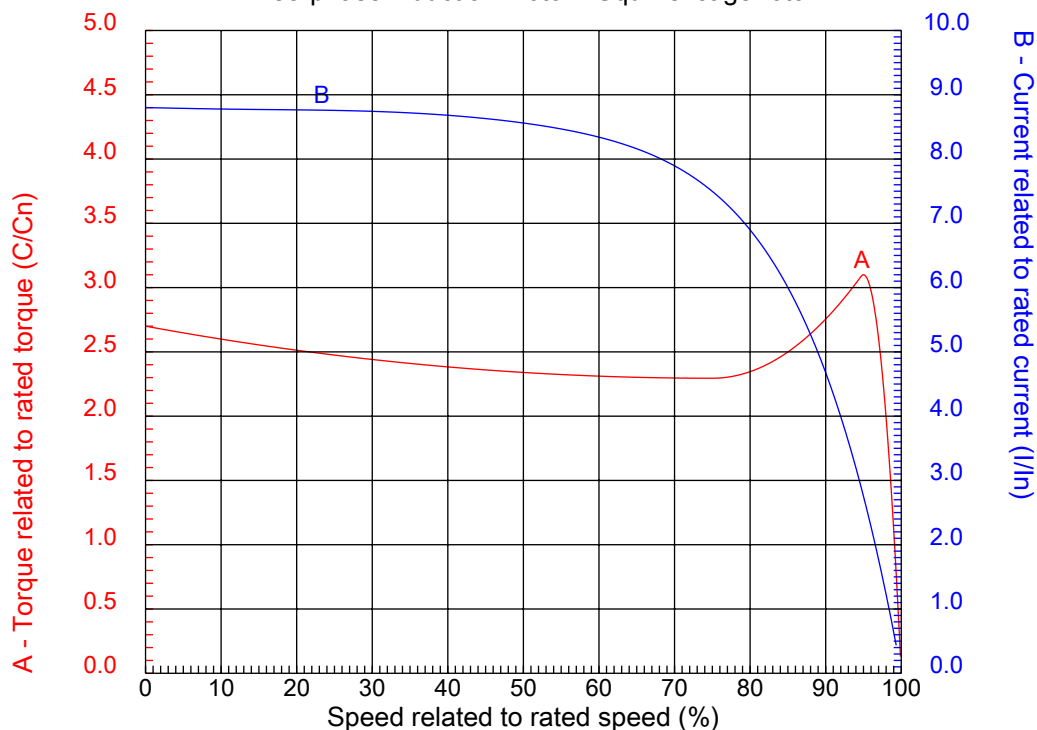
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 Super Premium

Frame	: 404/5T	Locked rotor current (I _l /I _n)	: 8.8
Output	: 100 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1780 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 270 %
Rated current	: 257-232/116 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 404/5T - IP55

27-SEP-2016



2E 15.984	J 3.937	A 19.921	P 19.134	AB 16.016
2F 12.244/13.740	K 5.669	B 18.386	BA 6.625	FBA 13.926
U 2.875	N-W 7.250	ES 5.512	S 0.750	R 2.449
depth 0.750	D 10.000	G 1.811	HB 5.252	O 19.566
HH 13.496	HK 6.024	H 0.810	C 39.730	FC 45.295
LL 10.591	LM 11.267	AA NPT 3"	d1 DUNC 3/4"-10	

1 2 3 4 5 6 7 8

A
B
C
D
E
F

LOW VOLTAGE

HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Customer:

W22 Super Premium

Three-phase induction motor
Frame 404/5T - IP55

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