



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase : Explosion Proof - NEMA Premium

Catalog Number : 00318XT3H182T

List Price : \$1,208

Notes:

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Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 182T
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 575 V
 Rated current : 3.13 A
 Locked rotor current : 25.0 A
 Locked rotor current (I_L/I_n) : 8.0
 No-load current : 1.68 A
 Full load torque : 8.83 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 320 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 28 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 115 lb
 Moment of inertia : 0.27812 sq.ft.lb
 Noise level : 56 dB(A)

	D.E.	N.D.E.
Bearings	6307 2RS	6206 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.79	89.5
75%	0.71	88.5
50%	0.59	87.5

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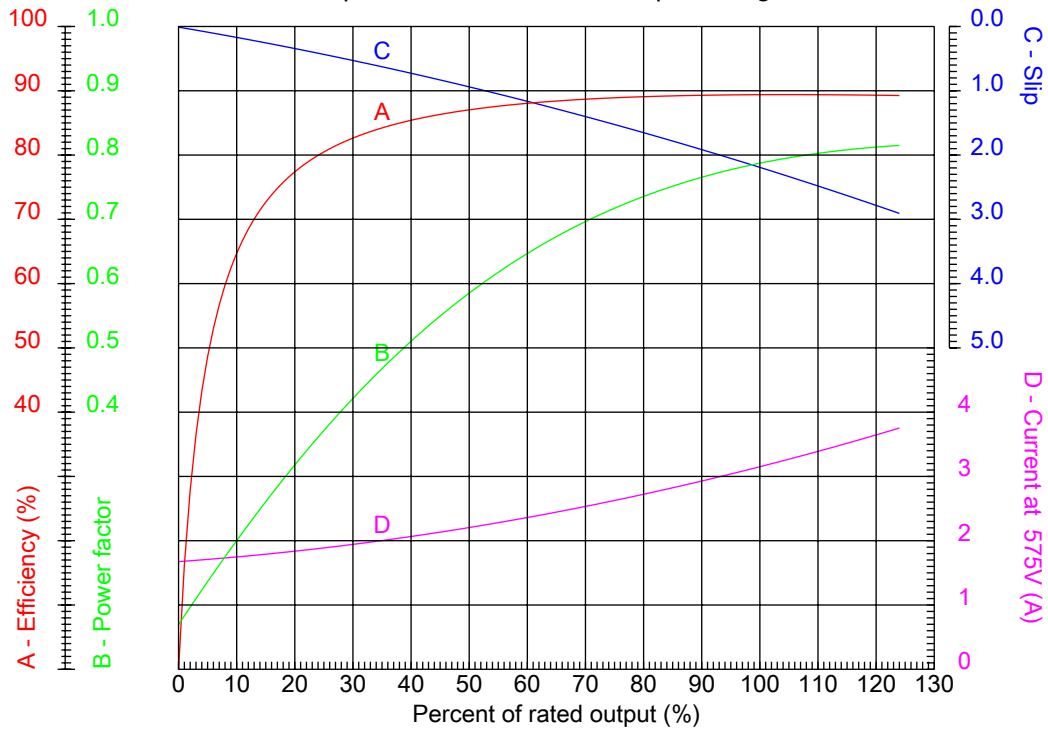
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 182T	Locked rotor current (I _L /I _n) : 8.0
Output : 3 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 1760 rpm	Design : B
Voltage : 575 V	Locked rotor torque : 250 %
Rated current : 3.13 A	Breakdown torque : 320 %
Insulation class : F	

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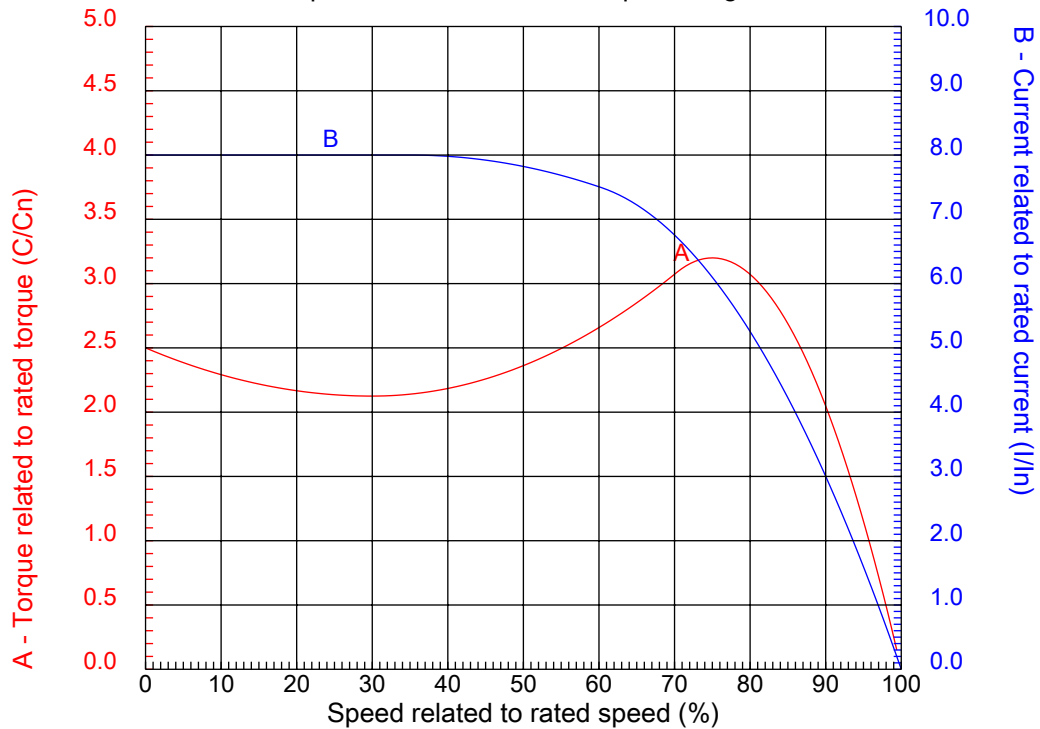
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame	: 182T	Locked rotor current (I _L /I _n)	: 8.0
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1760 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 250 %
Rated current	: 3.13 A	Breakdown torque	: 320 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

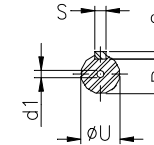
B

C

D

E

F



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Customer:

Three-Phase : Explosion Proof - NEMA Premium

Three-phase induction motor
Frame 182T - IP55

12-SEP-2016



2E 7.500	A 8.661	2F 4.500	B 5.945	BA 2.750
J 1.890	K 1.969	P 8.909	ES 1.969	depth 0.250
S 0.250	N-W 2.750	U 1.125	R 0.984	AB 8.240
D 4.500	G 0.787	O 9.421	T 1.772	H 0.406
C 14.862	AA NPT 3/4"	d1 A 4	d2 A 4	

1 2 3 4 5 6 7 8

A
B
C
D
E
F

RUN



ONLY FOR START



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Checked:		
Customer:		
Three-Phase : Explosion Proof - NEMA Premium		
Three-phase induction motor Frame 182T - IP55	12-SEP-2016	