



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

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

Catalog Number : 05018XT3E326T

List Price : \$6,545

Notes:

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Generated for Model #05018XT3E326T

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No.:

Date: 23-SEP-2016

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

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

Frame : 326T  
 Output : 50 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1780 rpm  
 Slip : 1.11 %  
 Voltage : 208-230/460 V  
 Rated current : 134-121/60.6 A  
 Locked rotor current : 885/443 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.3  
 No-load current : 55.0/27.5 A  
 Full load torque : 146 lb.ft  
 Locked rotor torque : 260 %  
 Breakdown torque : 280 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 20 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 706 lb  
 Moment of inertia : 9.1624 sq.ft.lb  
 Noise level : 71 dB(A)

	D.E.	N.D.E.
Bearings	6312 2RS-C3	6212 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.81	94.5
75%	0.76	94.5
50%	0.65	93.6

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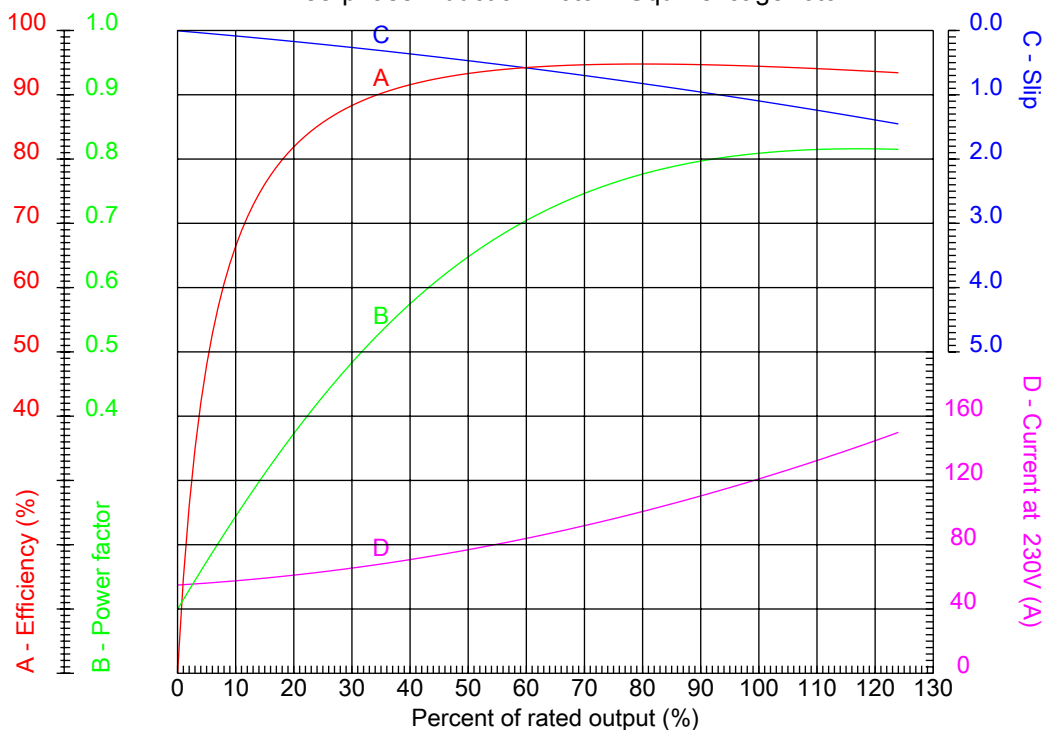
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 326T	Locked rotor current (I <sub>L</sub> /I <sub>n</sub> )	: 7.3
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 260 %
Rated current	: 134-121/60.6 A	Breakdown torque	: 280 %
Insulation class	: F		

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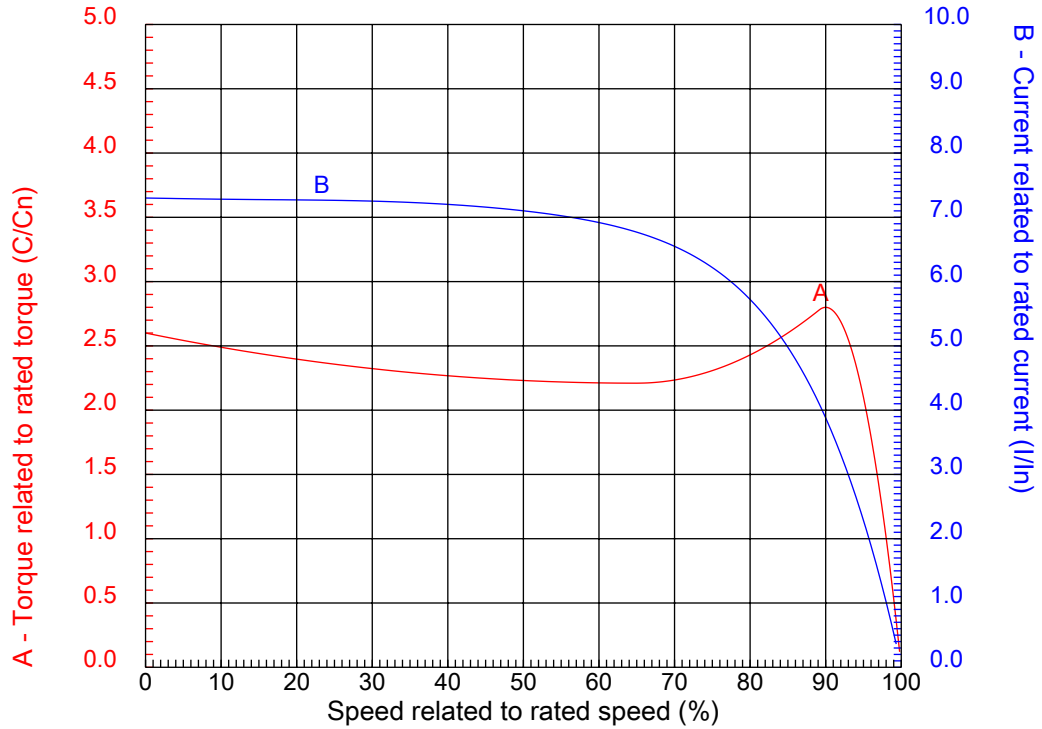
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 326T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.3
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 260 %
Rated current	: 134-121/60.6 A	Breakdown torque	: 280 %
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 326T - IP55

23-SEP-2016



2E 12.500	A 15.157	2F 12.000	B 14.567	BA 5.250
J 3.228	K 3.346	P 15.697	ES 3.937	depth 0.500
S 0.500	N-W 5.250	U 2.125	R 1.844	AB 12.961
D 8.000	G 1.307	O 15.992	T 2.795	H 0.657
C 31.106	AA NPT 2"	d1 A 4	d2 A 4	

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:

Three-Phase : Explosion Proof - NEMA Premium

Three-phase induction motor  
Frame 326T - IP55

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