



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

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

Catalog Number : 06018XT3H364T

List Price : \$10,460

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 364/5T
Output : 60 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1780 rpm
Slip : 1.11 %
Voltage : 575 V
Rated current : 54.6 A
Locked rotor current : 382 A
Locked rotor current (I_L/I_n) : 7.0
No-load current : 17.6 A
Full load torque : 175 lb.ft
Locked rotor torque : 250 %
Breakdown torque : 250 %
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 : 1014 lb
Moment of inertia : 20.804 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.87	95.0
Regreasing interval	9789 h	9789 h	75%	0.82	94.5
Grease amount	27 g	27 g	50%	0.72	94.1

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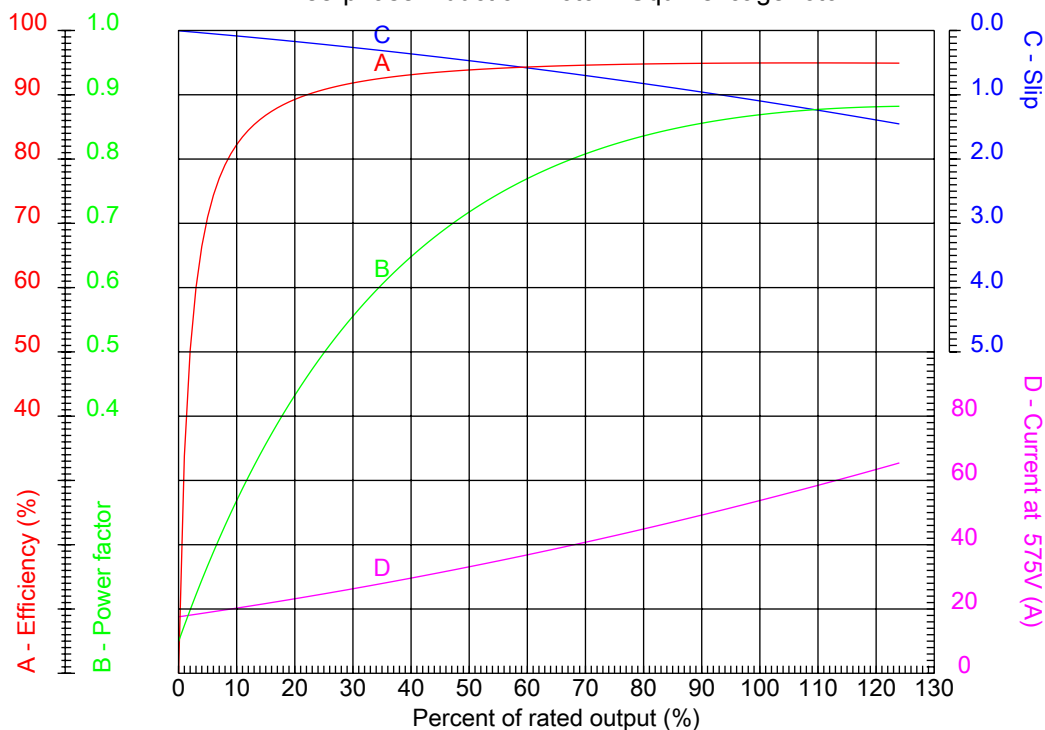
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No.:

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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	: 364/5T	Locked rotor current (I _L /I _n)	: 7.0
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 250 %
Rated current	: 54.6 A	Breakdown torque	: 250 %
Insulation class	: F		

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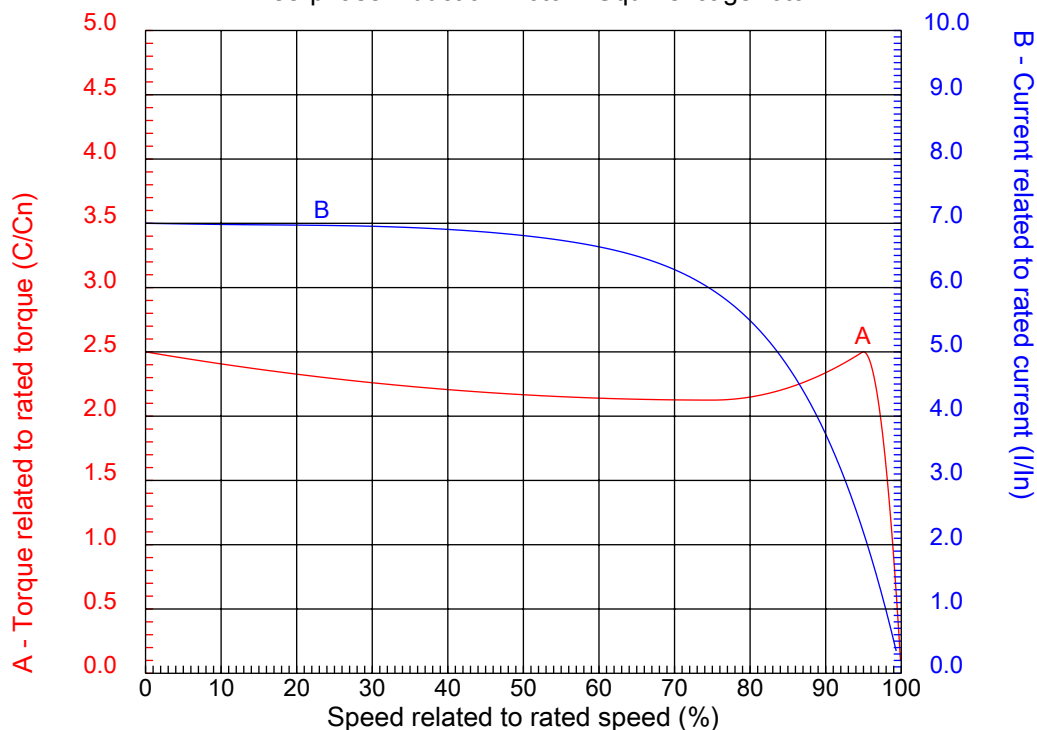
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 364/5T	Locked rotor current (I _l /I _n)	: 7.0
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 250 %
Rated current	: 54.6 A	Breakdown torque	: 250 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

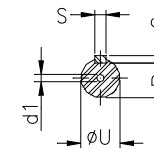
B

C

D

E

F



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Customer:

Three-Phase : Explosion Proof - NEMA Premium

Three-phase induction motor
Frame 364/5T - IP55

27-SEP-2016



2E 14.000	A 17.165	2F 11.250/12.250	B 15.394	BA 5.875
J 3.150	K 4.134	P 18.583	ES 4.330	depth 0.625
S 0.625	N-W 5.874	U 2.375	R 2.019	AB 16.654
D 9.000	G 1.480	O 18.898	T 2.795	H 0.657
C 33.701	AA NPT 3"	d1 DUNC 3/4"-10	d2 DUNC 3/4"-10	

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 364/5T - IP55	27-SEP-2016	