



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 : 07536XT3E365TS

List Price : \$11,285

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 364/5TS
 Output : 75 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3560 rpm
 Slip : 1.11 %
 Voltage : 208-230/460 V
 Rated current : 182-165/82.4 A
 Locked rotor current : 1150/577 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 44.0/22.0 A
 Full load torque : 109 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1025 lb
 Moment of inertia : 9.9623 sq.ft.lb
 Noise level : 85 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	3604 h	3604 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.89	94.1
75%	0.87	94.1
50%	0.81	93.0

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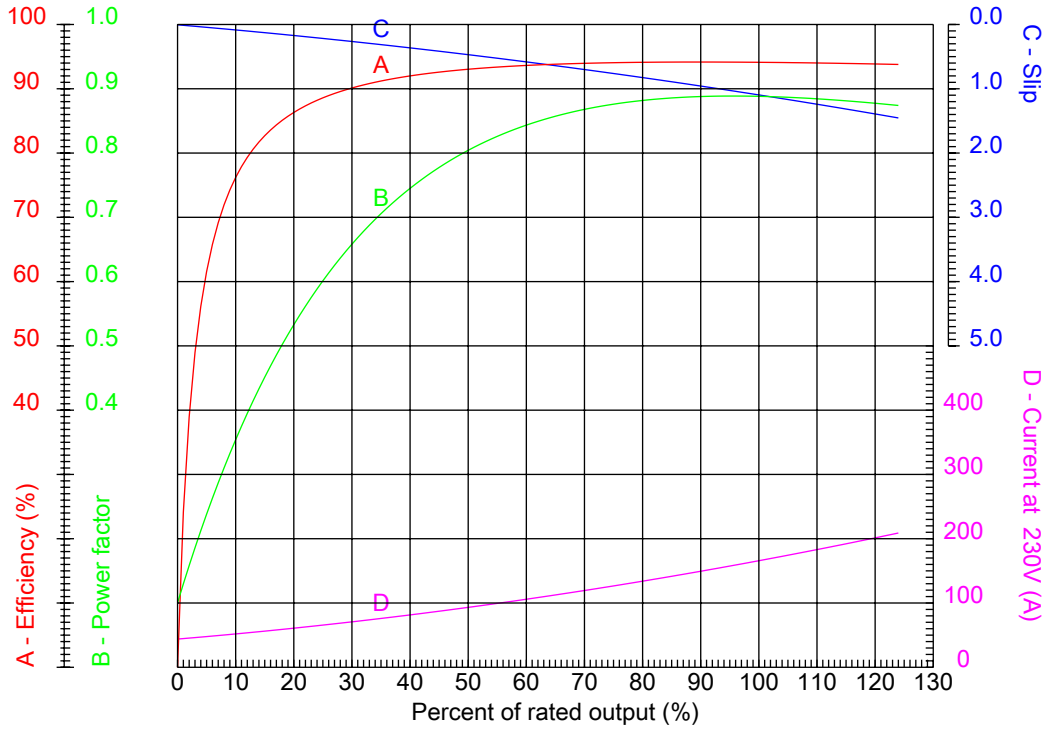
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 364/5TS	Locked rotor current (I _l /I _n)	: 7.0
Output	: 75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3560 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 182-165/82.4 A	Breakdown torque	: 260 %
Insulation class	: F		

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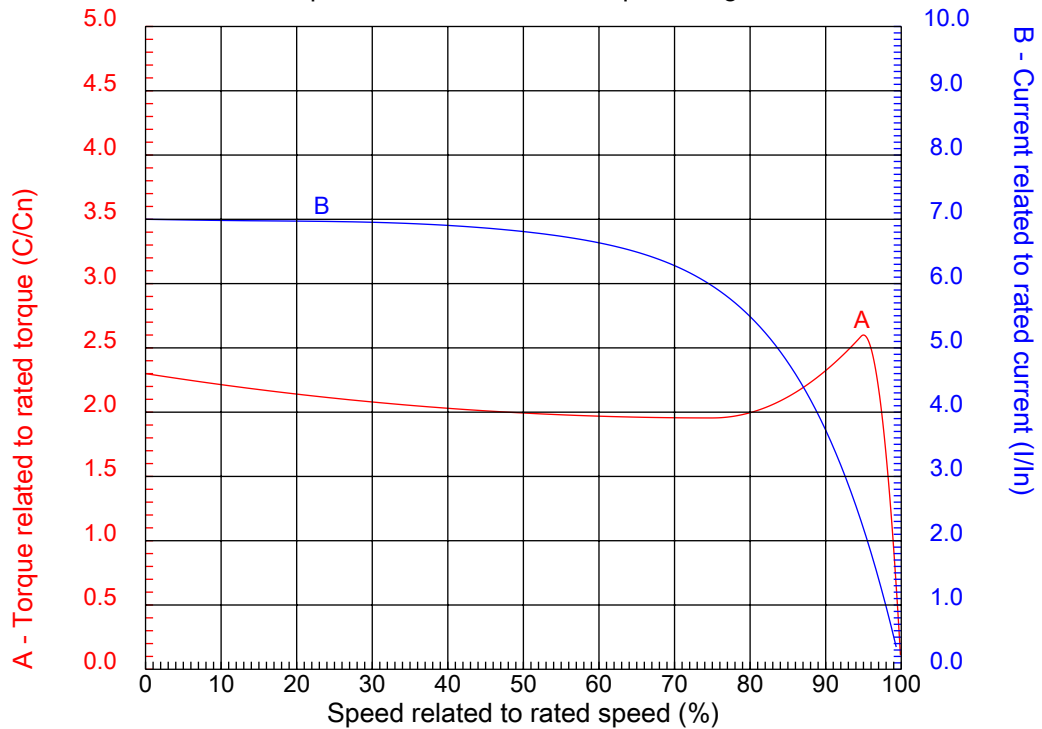
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 364/5TS	Locked rotor current (I _l /I _n)	: 7.0
Output	: 75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3560 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 182-165/82.4 A	Breakdown torque	: 260 %
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 364/5TS - IP55

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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 1.968	depth 0.500
S 0.500	N-W 3.748	U 1.875	R 1.591	AB 16.654
D 9.000	G 1.480	O 18.898	T 2.795	H 0.657
C 31.575	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

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 364/5TS - IP55

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