



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Catalog Number : 15018OT3G444TS

List Price : \$10,668

Notes:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 444TS
 Output : 150 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1785 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 166 A
 Locked rotor current : 1100 A
 Locked rotor current (I_L/I_n) : 6.6
 No-load current : 52.0 A
 Full load torque : 435 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 19 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 1433 lb
 Moment of inertia : 49.541 sq.ft.lb
 Noise level : 78 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.87	95.8
75%	0.84	95.8
50%	0.77	95.4

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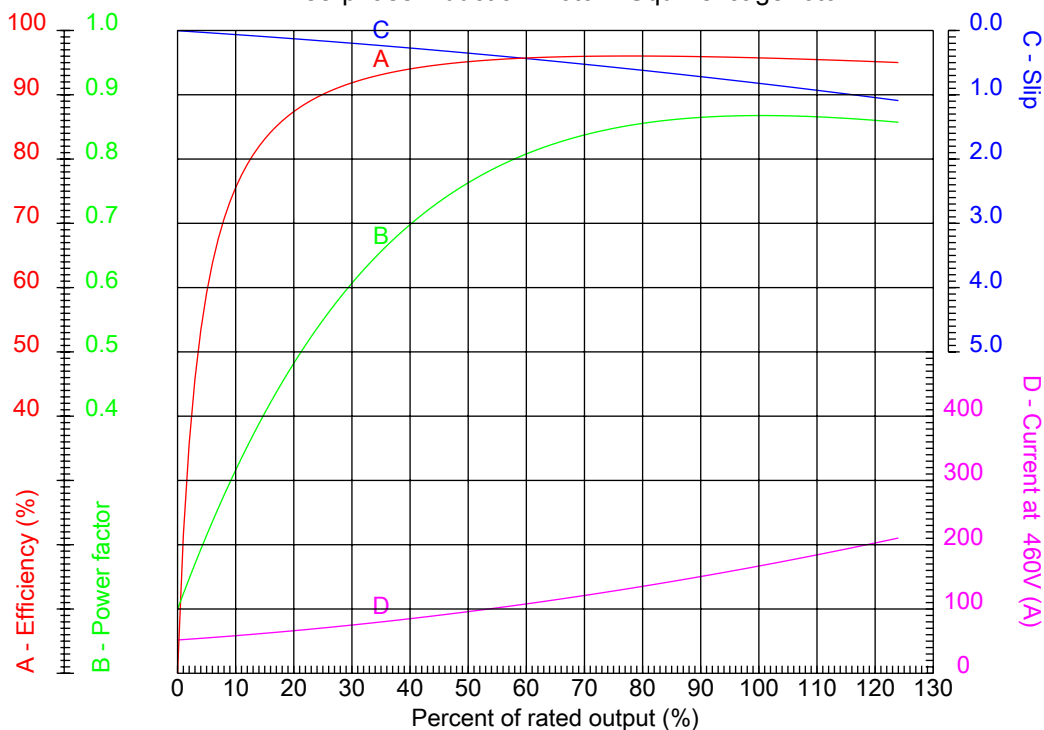
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame	: 444TS	Locked rotor current (I _l /I _n)	: 6.6
Output	: 150 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1785 rpm	Design	: B
Voltage	: 460 V	Locked rotor torque	: 200 %
Rated current	: 166 A	Breakdown torque	: 240 %
Insulation class	: F		

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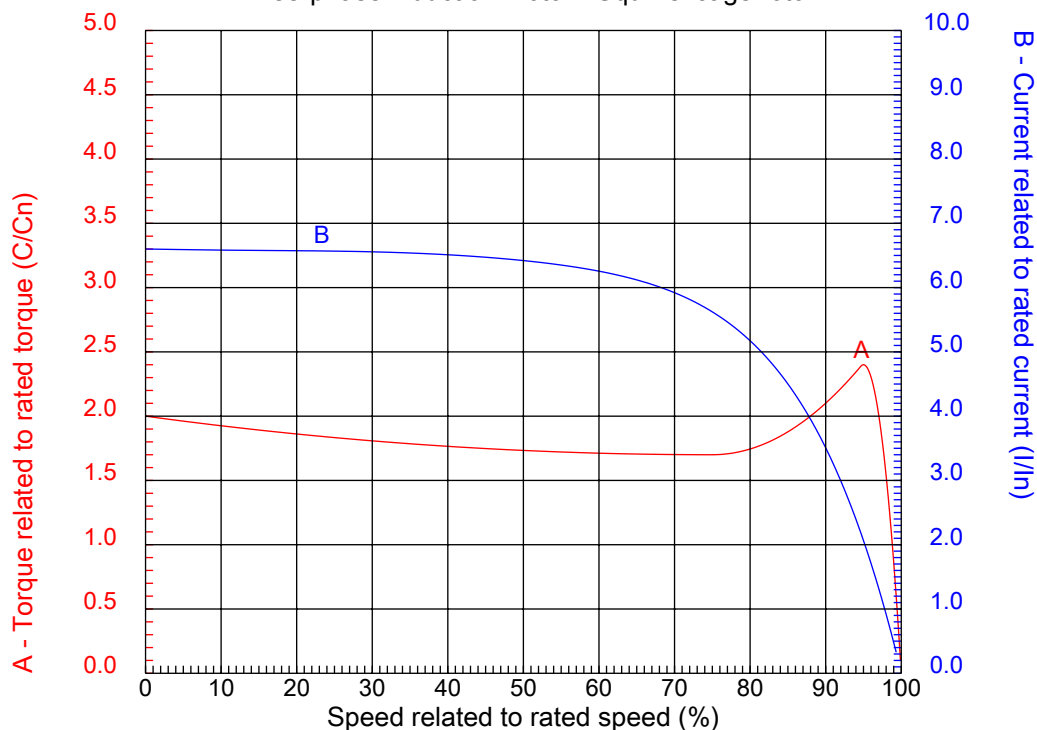
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame	: 444TS	Locked rotor current (I _l /I _n)	: 6.6
Output	: 150 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1785 rpm	Design	: B
Voltage	: 460 V	Locked rotor torque	: 200 %
Rated current	: 166 A	Breakdown torque	: 240 %
Insulation class	: F		

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Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

2E	J	A	P	AB
18.000	3.937	21.929	22.125	20.236
2F	K	B	BA	U
14.500/16.500	5.590	20.078	7.500	2.375
d1	N-W	ES	S	R
DUNC 3/4"-10	4.750	3.000	0.625	2.021
depth	D	G	O	T
0.625	11.000	1.811	22.440	3.544
H	C	AA		
0.807	36.062	2xNPT 3"		

Three-phase induction motor
 Frame 444TS - IP23

28-SEP-2016



1 2 3 4 5 6 7 8

A

PART-WINDING

WYE-DELTA

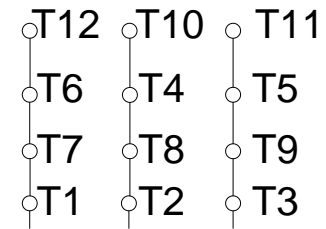
START

RUN

START

RUN

B



C

L1 L2 L3

L1 L2 L3

L1 L2 L3

L1 L2 L3

D

E

F

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Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

Three-phase induction motor
 Frame 444TS - IP23

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