



No.:

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor



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

Catalog Number : 15018OT3G444T

List Price : \$10,668

Notes:

Performed by:

Checked:



No.:

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : 444T
 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 : 1484 lb
 Moment of inertia : 49.541 sq.ft.lb
 Noise level : 78 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6319 C3	6316 C3	100%	0.87	95.8
Regreasing interval	20000 h	20000 h	75%	0.84	95.8
Grease amount	45 g	34 g	50%	0.77	95.4

Notes:

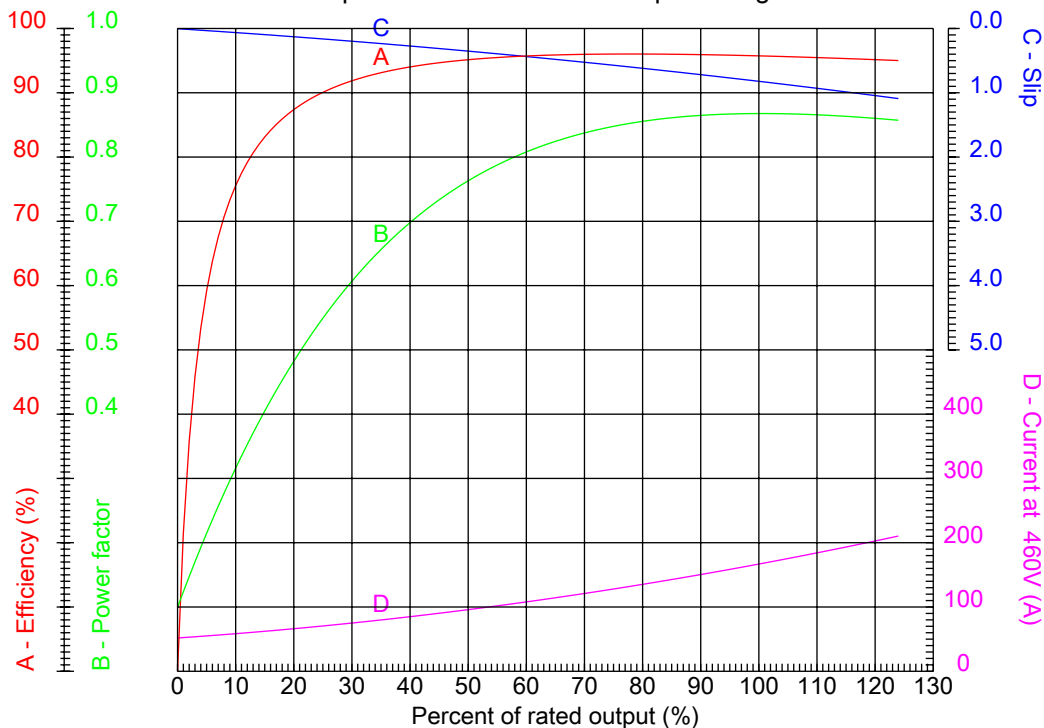
Performed by

Checked



No.:

PERFORMANCE CURVES RELATED TO RATED OUTPUT
Three-phase induction motor - Squirrel cage rotor



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

Frame : 444T	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	

Notes:

Performed by

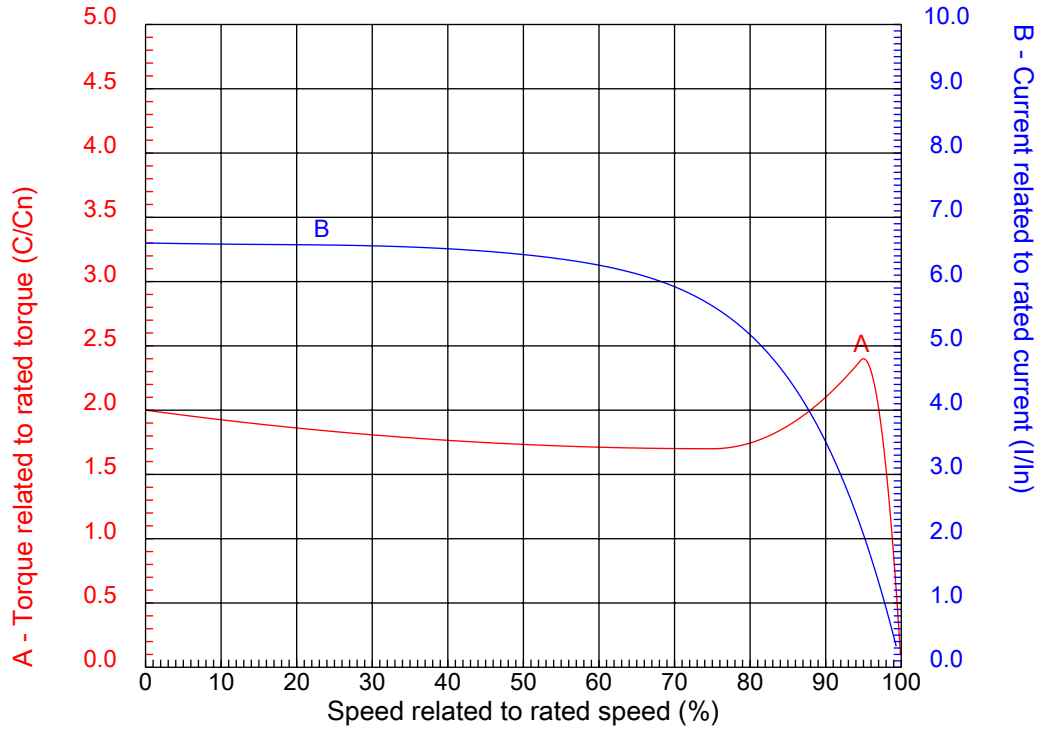
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No.:

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame : 444T	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	

Notes:

Performed by

Checked

1 2 3 4 5 6 7 8

A

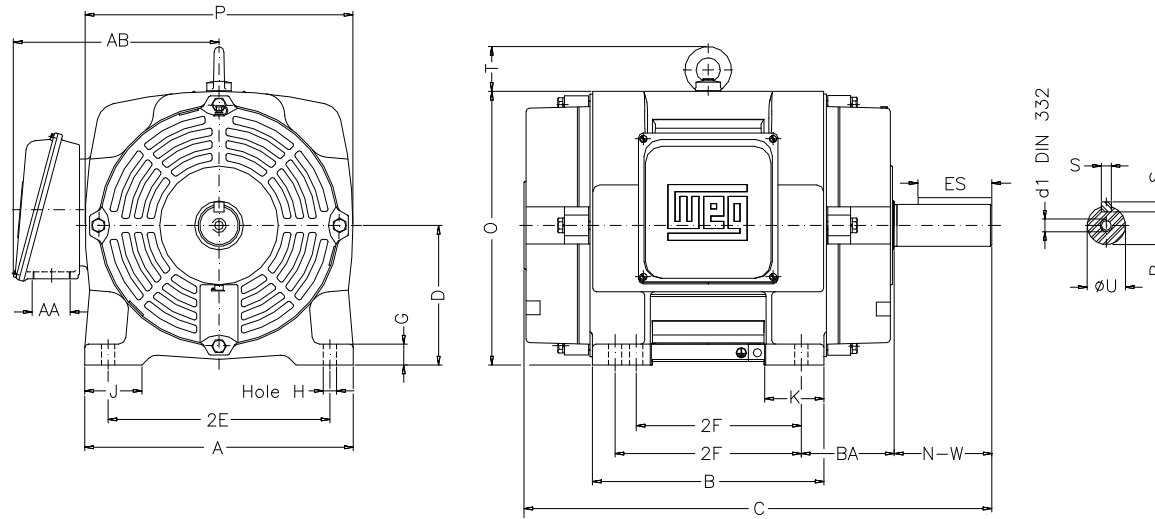
B

C

D

E

F



Notes:

Performed by:

Checked:

Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

Three-phase induction motor
Frame 444T - IP23



2E 18.000	J 3.937	A 21.929	P 22.125	AB 20.236
2F 14.500/16.500	K 5.590	B 20.078	BA 7.500	U 3.375
d1 DUNC 3/4"-10	N-W 8.500	ES 7.087	S 0.875	R 2.880
depth 0.875	D 11.000	G 1.811	O 22.440	T 3.544
H 0.807	C 39.803	AA 2xNPT 3"		

1 2 3 4 5 6 7 8

A

PART-WINDING

WYE-DELTA

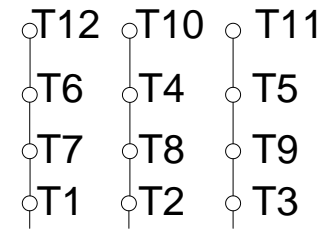
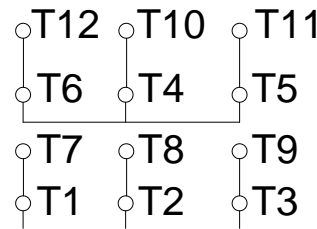
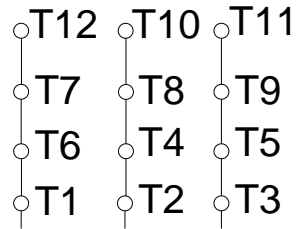
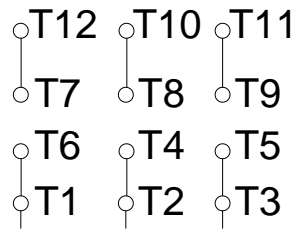
START

RUN

START

RUN

B



C

L1 L2 L3

L1 L2 L3

L1 L2 L3

L1 L2 L3

D

E

F

Notes:

Performed by:

Checked:

Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

Three-phase induction motor
Frame 444T - IP23

