



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

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

Catalog Number : 10012OT3E444T

List Price : \$11,863

Notes:

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Dealers Industrial Equipment

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 444/5T
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1190 rpm
 Slip : 0.83 %
 Voltage : 208-230/460 V
 Rated current : 276-250/125 A
 Locked rotor current : 1430/713 A
 Locked rotor current (I_L/I_n) : 5.7
 No-load current : 112/56.0 A
 Full load torque : 435 lb.ft
 Locked rotor torque : 210 %
 Breakdown torque : 240 %
 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 : IP23
 Approximate weight : 1486 lb
 Moment of inertia : 43.825 sq.ft.lb
 Noise level : 77 dB(A)

	D.E.	N.D.E.
Bearings	6319 C3	6316 C3
Regreasing interval	20000 h	20000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.79	95.0
75%	0.74	95.0
50%	0.62	94.5

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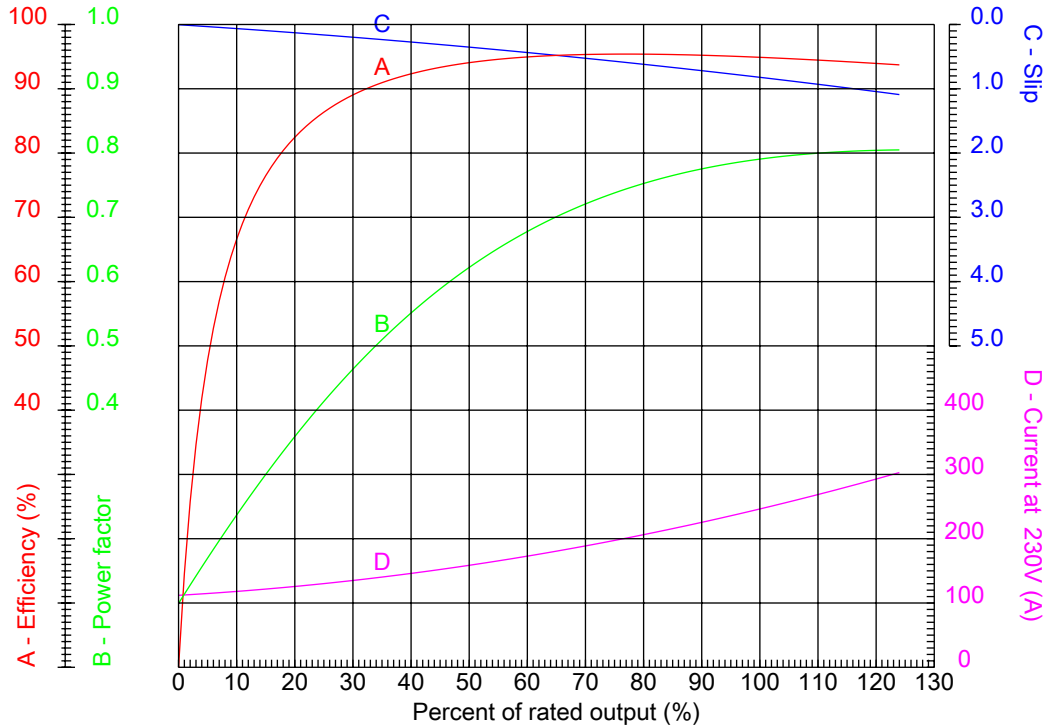
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 444/5T	Locked rotor current (I _l /I _n)	: 5.7
Output	: 100 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1190 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 276-250/125 A	Breakdown torque	: 240 %
Insulation class	: F		

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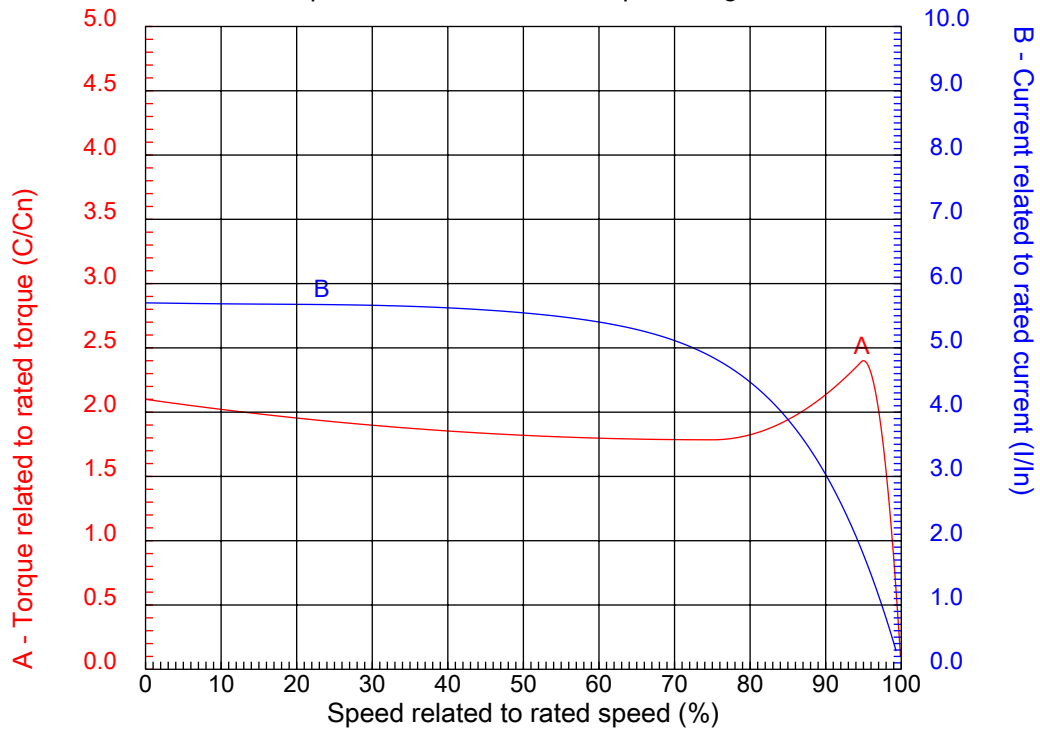
Dealers Industrial Equipment

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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



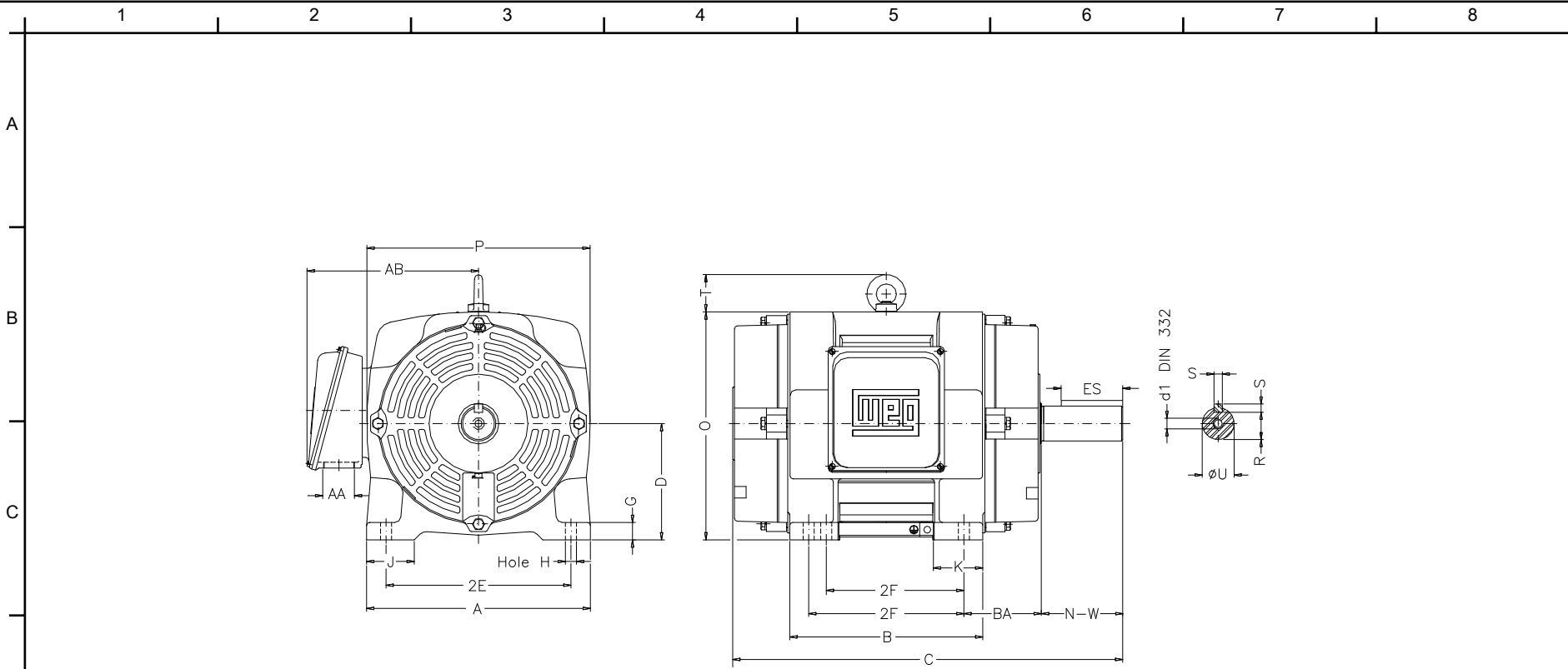
Customer :
Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame	: 444/5T	Locked rotor current (I _l /I _n)	: 5.7
Output	: 100 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1190 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 276-250/125 A	Breakdown torque	: 240 %
Insulation class	: F		

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Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

Three-phase induction motor
 Frame 444/5T - IP23

27-SEP-2016



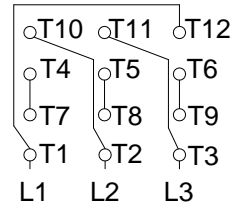
2E 18.000	J 3.937	A 21.929	P 22.125	AB 20.236
2F 14.500/16.500	K 5.590	B 20.078	BA 7.500	U 3.375
d1 DUNC 3/4"-10	N-W 8.500	ES 7.087	S 0.875	R 2.880
depth 0.875	D 11.000	G 1.811	O 22.440	T 3.544
H 0.807	C 39.803	AA 2xNPT 3"		

1 2 3 4 5 6 7 8

A
B
C
D
E
F

LOW VOLTAGE

HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

Three-phase induction motor
Frame 444/5T - IP23

27-SEP-2016

