



No.:

Date: 31-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Cooling Tower Motors : High Efficiency - Two Speed

Catalog Number : 02589EP3PCT324V2

List Price : \$5,826

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Cooling Tower Motors : High Efficiency - Two Speed

Frame : 324T
Output : 6.3 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 890
Slip : 1.11 %
Voltage : 200 V
Rated current : 32.5 A
Locked rotor current : 140 A
Locked rotor current (I_L/I_n) : 4.3
No-load current : 25.3 A
Full load torque : 36.7 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 260 %
Design : A
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 16 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 501 lb
Moment of inertia : 7.8523 sq.ft.lb
Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 2RS	6212 2RS	100%	0.50	81.5
Regreasing interval	---	---	75%	0.42	80.0
Grease amount	---	---	50%	0.31	74.0

Notes:

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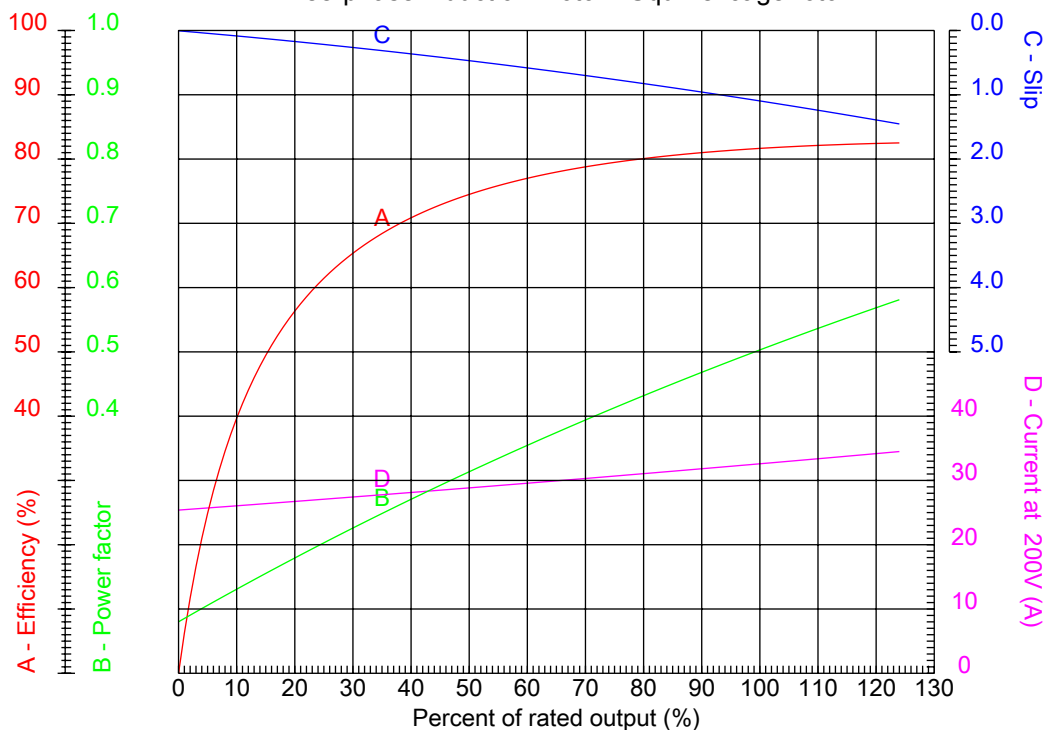


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Cooling Tower Motors : High Efficiency - Two Speed

Frame : 324T	Locked rotor current (I _l /I _n) : 4.3
Output : 6.3 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 890	Design : A
Voltage : 200 V	Locked rotor torque : 200 %
Rated current : 32.5 A	Breakdown torque : 260 %
Insulation class : F	

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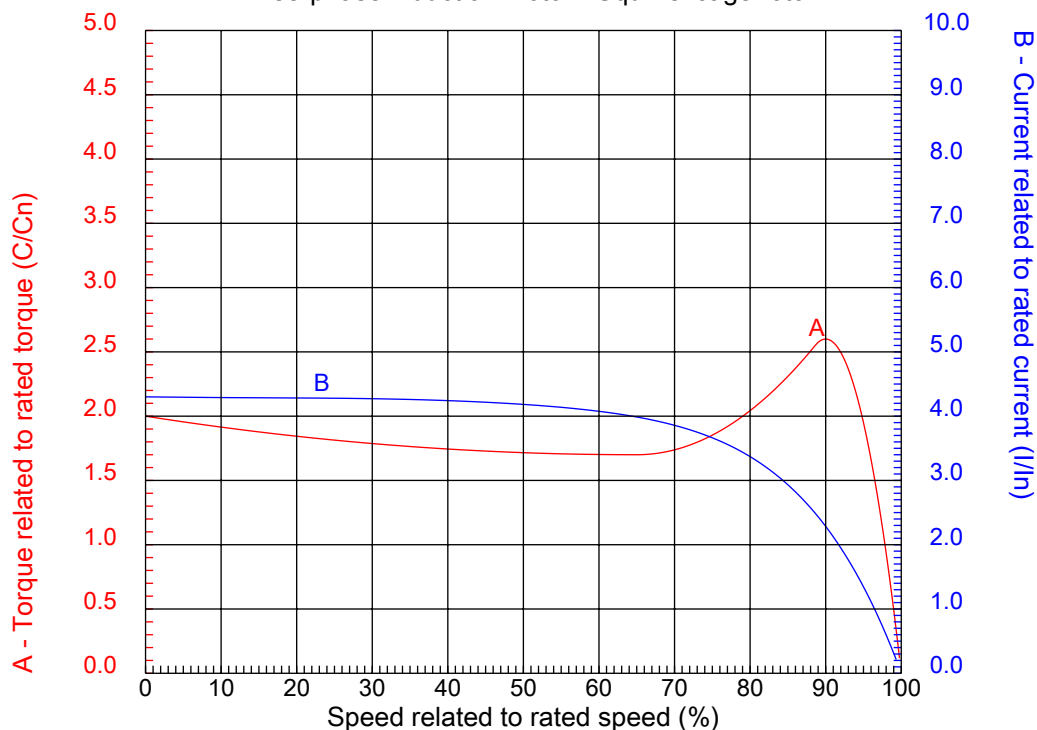


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



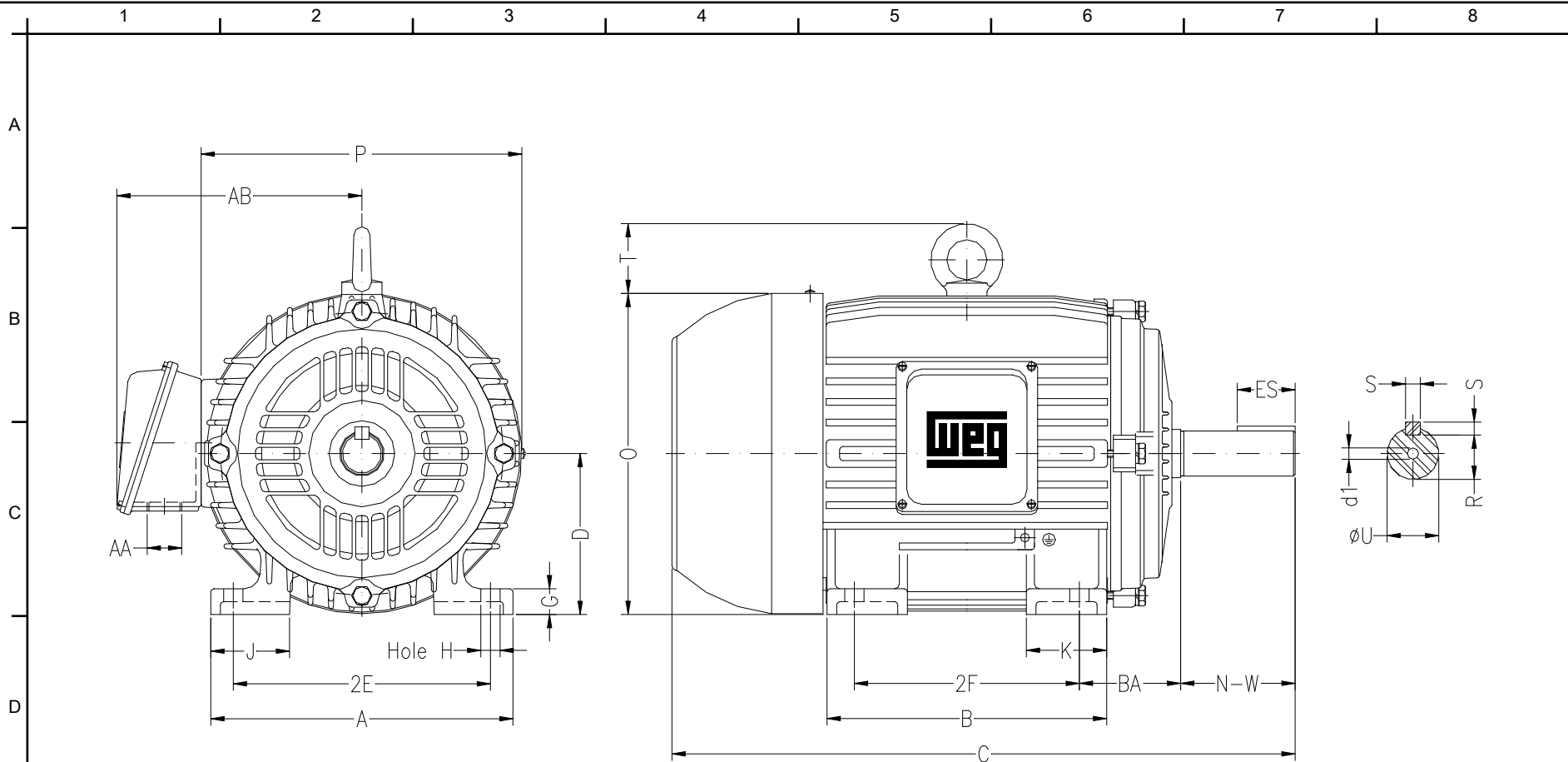
Customer :
Product line : Cooling Tower Motors : High Efficiency - Two Speed

Frame	: 324T	Locked rotor current (I/I _n)	: 4.3
Output	: 6.3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 890	Design	: A
Voltage	: 200 V	Locked rotor torque	: 200 %
Rated current	: 32.5 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:

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Customer:

Cooling Tower Motors : High Efficiency - Two Speed

2E	2F	H	BA	A
12.500	10.500	0.657	5.250	15.157
B	C	D	G	J
13.071	29.620	8.000	1.307	3.228
K	O	P	ES	S
3.346	15.953	15.591	3.937	0.500
N-W	U	R	AB	AA
5.250	2.125	1.844	11.496	NPT 2"
d1	Flange	AJ	AK	BD
A 4	FD-406	16.000	14.000	18.000
BF	BB			
0.828	0.203			

Three-phase induction motor
Frame 324T - IP55

31-DEC-2012

