



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 Cooling Tower Motors: NEMA Premium - TEFC

Catalog Number : 05018ET3ECT326T-W22

List Price : \$5,865

Notes:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Cooling Tower Motors: NEMA Premium - TEFC

Frame : 326T
Output : 50 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1775 rpm
Slip : 1.39 %
Voltage : 208-230/460 V
Rated current : 131-118/59.2 A
Locked rotor current : 734/367 A
Locked rotor current (I_L/I_N) : 6.2
No-load current : 50.0/25.0 A
Full load torque : 146 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 270 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 15 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 536 lb
Moment of inertia : 9.1624 sq.ft.lb
Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6312 2RS-C3	6212 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.83	94.5
75%	0.77	94.1
50%	0.66	93.0

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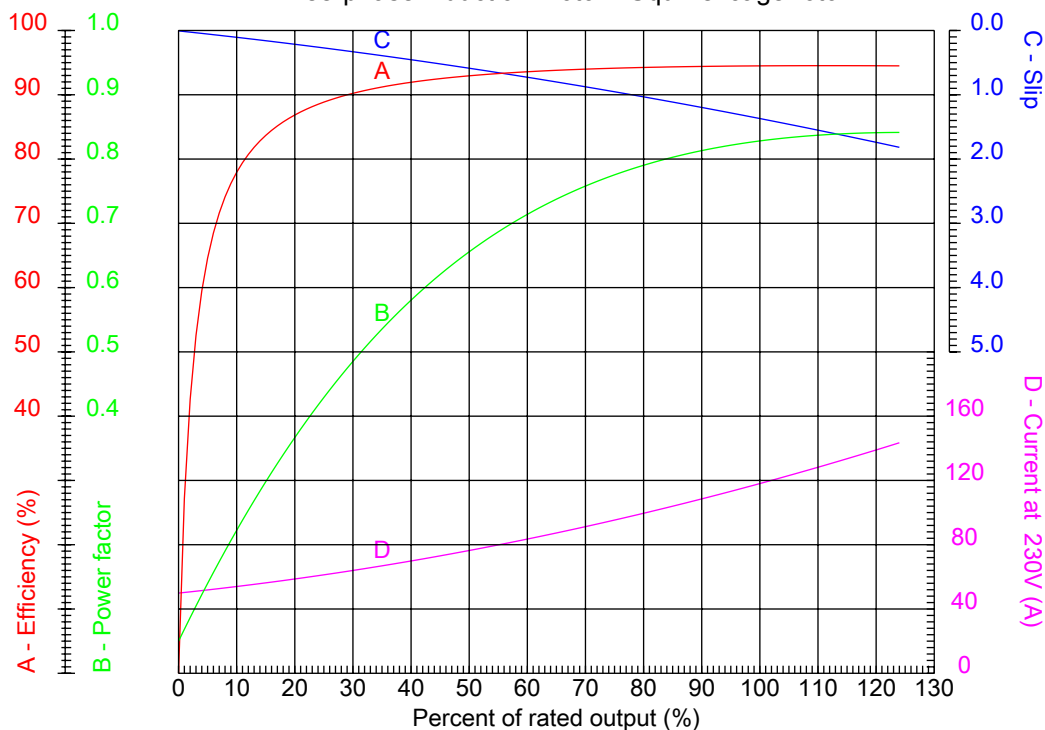
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 Cooling Tower Motors: NEMA Premium - TEFC

Frame	: 326T	Locked rotor current (I _L /I _n)	: 6.2
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1775 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 131-118/59.2 A	Breakdown torque	: 270 %
Insulation class	: F		

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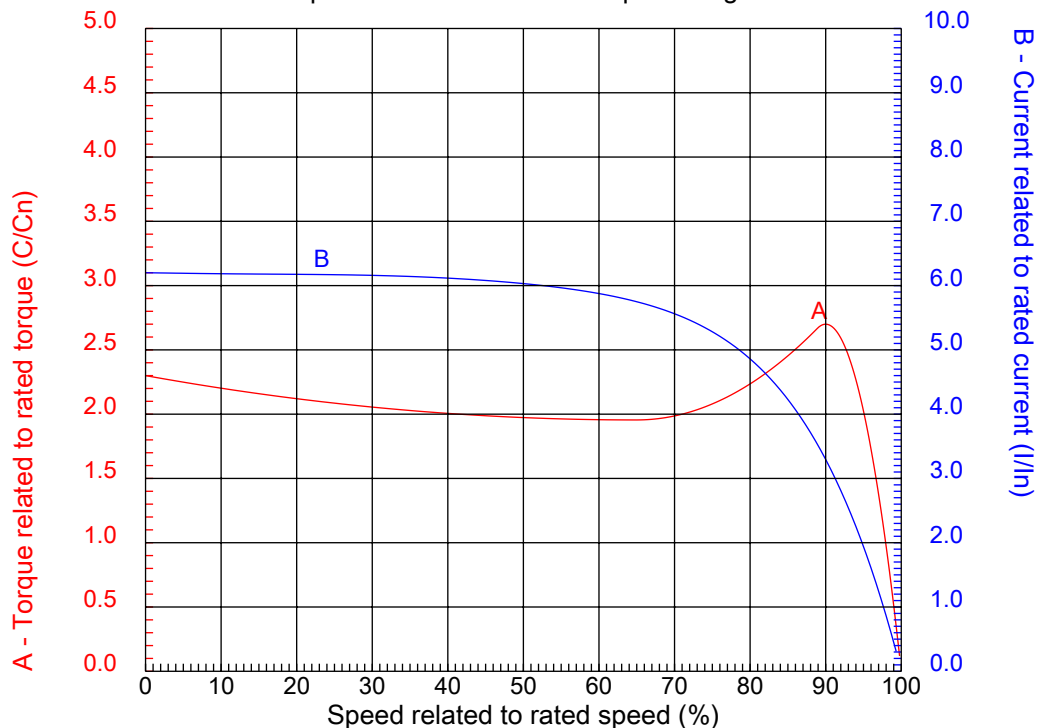
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



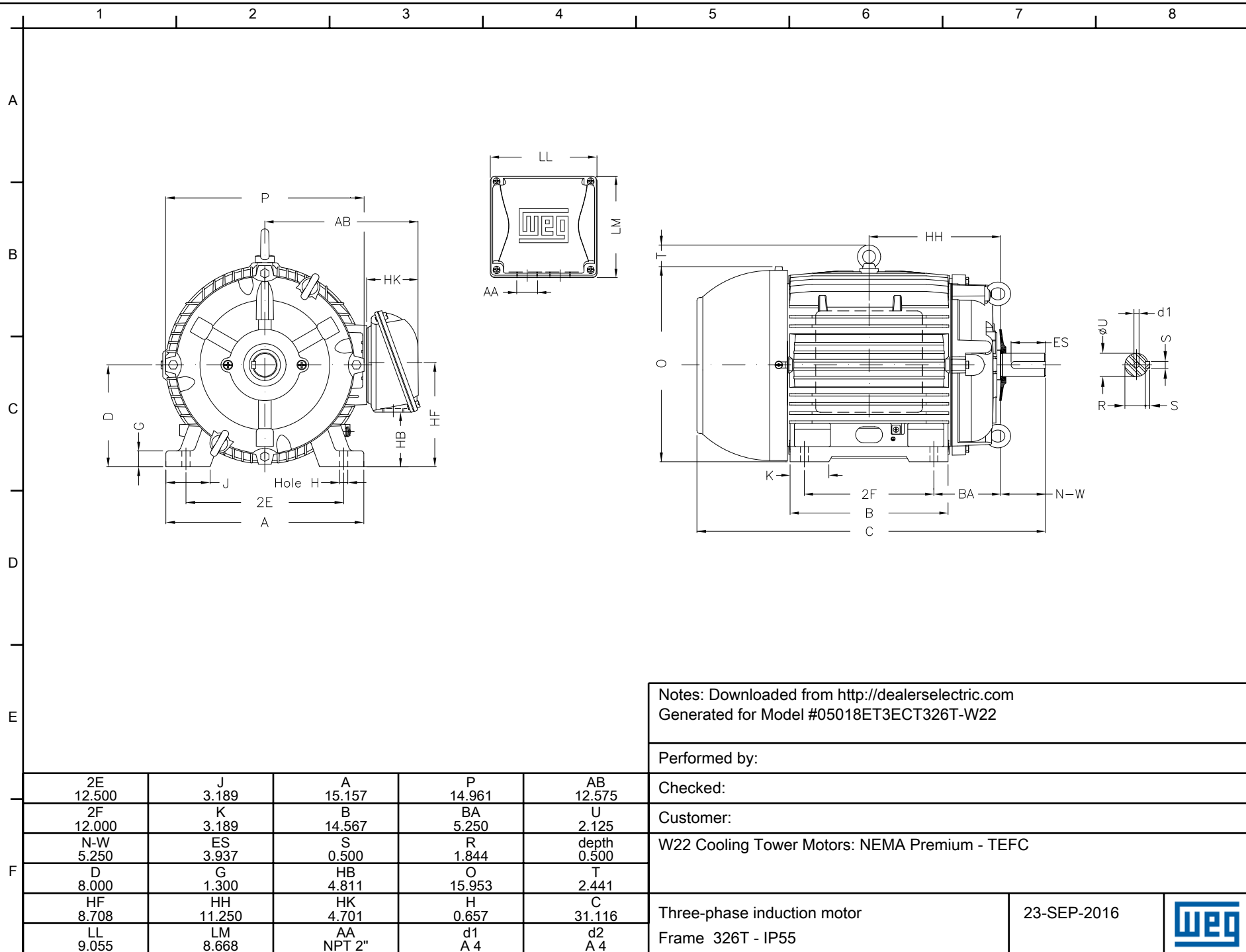
Customer :
Product line : W22 Cooling Tower Motors: NEMA Premium - TEFC

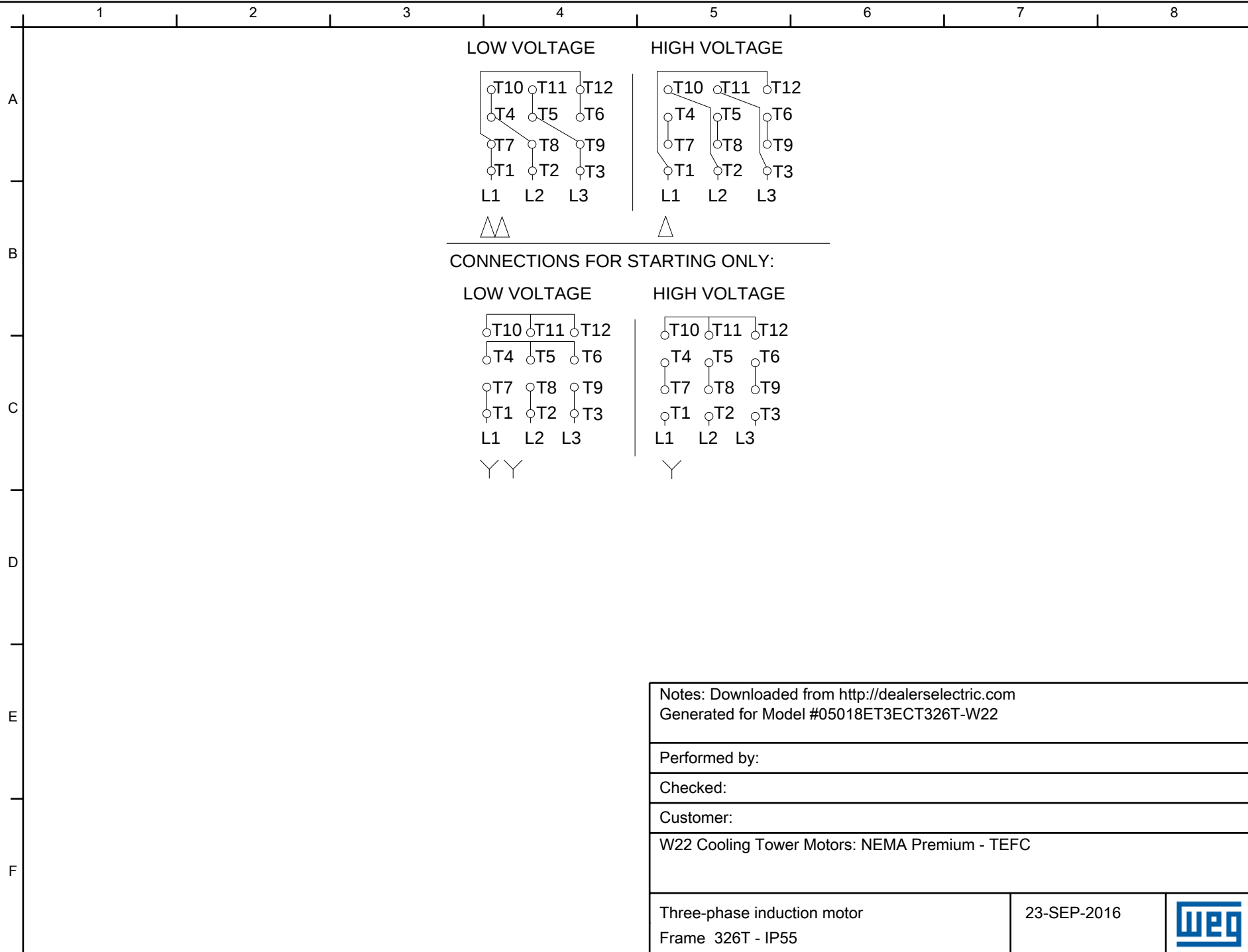
Frame	: 326T	Locked rotor current (I _L /I _n)	: 6.2
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1775 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 131-118/59.2 A	Breakdown torque	: 270 %
Insulation class	: F		

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Checked:		
Customer:		
W22 Cooling Tower Motors: NEMA Premium - TEFC		
Three-phase induction motor Frame 326T - IP55	23-SEP-2016	