



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

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

Catalog Number : 00112ET3ECT145TF1-W2

List Price : \$728

Notes:

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Dealers Industrial Equipment

No.:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 145T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1150 rpm
 Slip : 4.17 %
 Voltage : 208-230/460 V
 Rated current : 3.82-3.45/1.73 A
 Locked rotor current : 21.4/10.7 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 2.18/1.09 A
 Full load torque : 4.51 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 300 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 28 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 53 lb
 Moment of inertia : 0.15947 sq.ft.lb
 Noise level : 49 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 ZZ	6204 ZZ	100%	0.66	82.5
Regreasing interval	---	---	75%	0.57	82.0
Grease amount	---	---	50%	0.45	77.0

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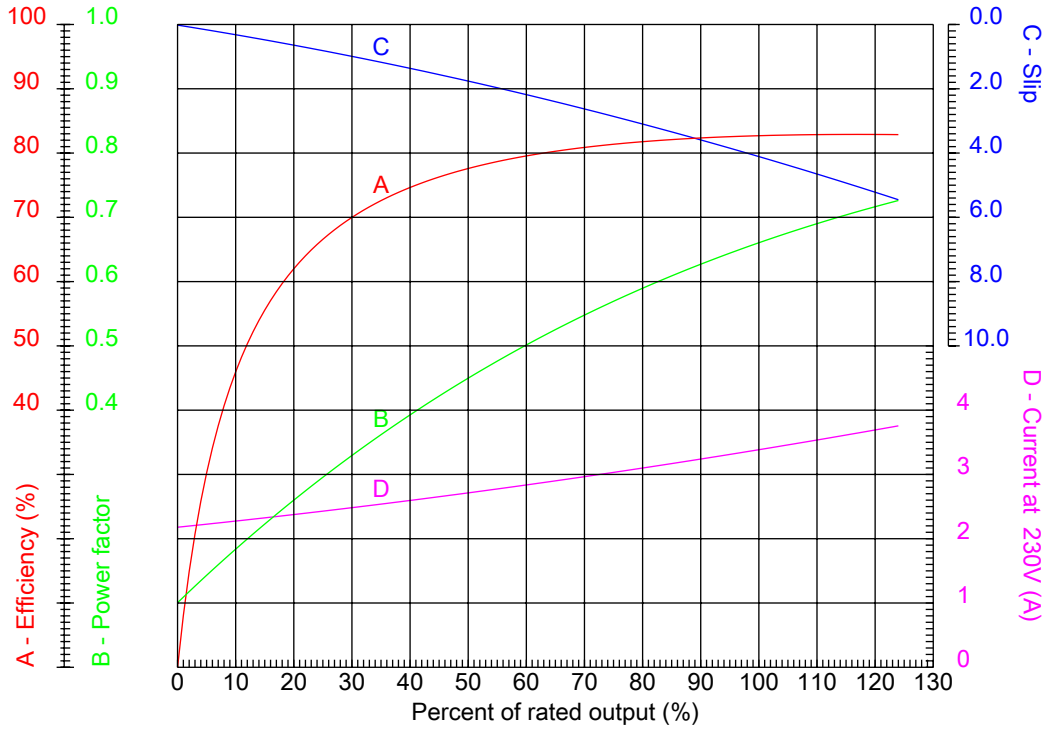
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 145T	Locked rotor current (I _L /I _n) : 6.2
Output : 1 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25
Full load speed : 1150 rpm	Design : B
Voltage : 208-230/460 V	Locked rotor torque : 300 %
Rated current : 3.82-3.45/1.73 A	Breakdown torque : 300 %
Insulation class : F	

Notes:
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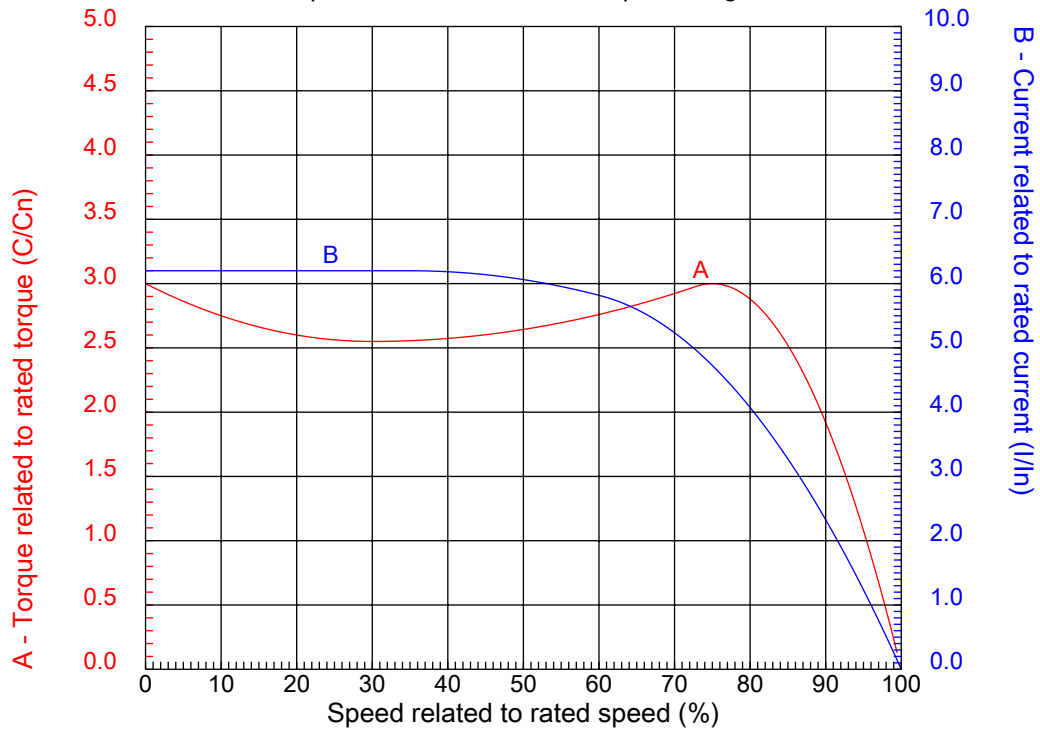
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



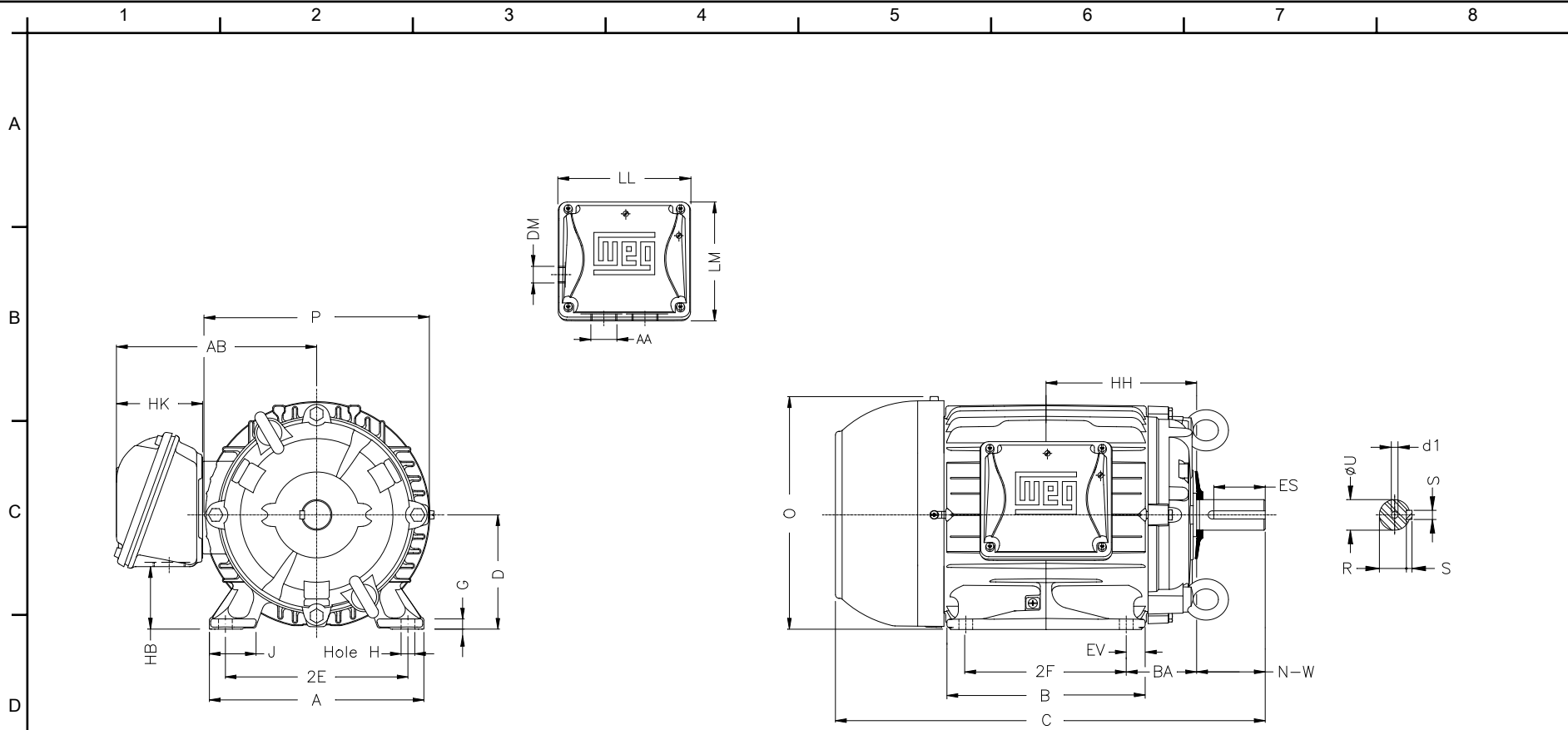
Customer :
Product line : W22 Cooling Tower Motors: NEMA Premium - TEFC

Frame	: 145T	Locked rotor current (I _l /I _n)	: 6.2
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1150 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 300 %
Rated current	: 3.82-3.45/1.73 A	Breakdown torque	: 300 %
Insulation class	: F		

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Customer:

W22 Cooling Tower Motors: NEMA Premium - TEFC

Three-phase induction motor
 Frame 145T - IP55

12-SEP-2016



	2E 5.500	J 1.437	A 6.457	P 6.850	AB 6.260
	2F 5.000	B 6.142	BA 2.250	U 0.875	N-W 2.250
	ES 1.575	S 0.187	R 0.765	depth 0.187	D 3.500
F	G 0.354	HB 1.788	O 7.122	HF 3.500	HH 4.750
	HK 2.717	H 0.344	C 13.346	LL 4.527	LM 4.094
	AA NPT 3/4"	d1 A 4	d2 A 4		

1 2 3 4 5 6 7 8

A

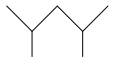
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Customer:

W22 Cooling Tower Motors: NEMA Premium - TEFC

Three-phase induction motor
 Frame 145T - IP55

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