



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 : 02018ET3PCT256T-W22

List Price : \$2,549

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 : 256T
Output : 20 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1765 rpm
Slip : 1.94 %
Voltage : 200 V
Rated current : 55.4 A
Locked rotor current : 360 A
Locked rotor current (I_L/I_n) : 6.5
No-load current : 23.0 A
Full load torque : 58.7 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 : 291 lb
Moment of inertia : 3.0963 sq.ft.lb
Noise level : 64 dB(A)

	D.E.	N.D.E.
Bearings	6309 2RS-C3	6209 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.84	93.0
75%	0.79	92.4
50%	0.68	91.7

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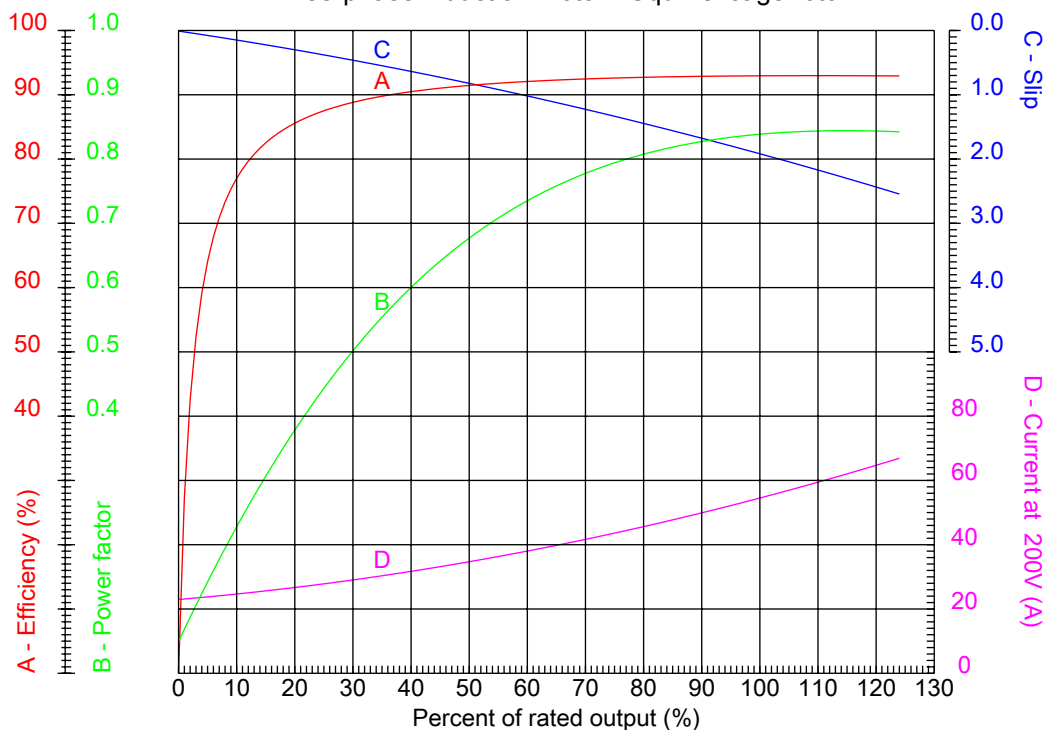
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 256T	Locked rotor current (I _L /I _n)	: 6.5
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1765 rpm	Design	: B
Voltage	: 200 V	Locked rotor torque	: 230 %
Rated current	: 55.4 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:
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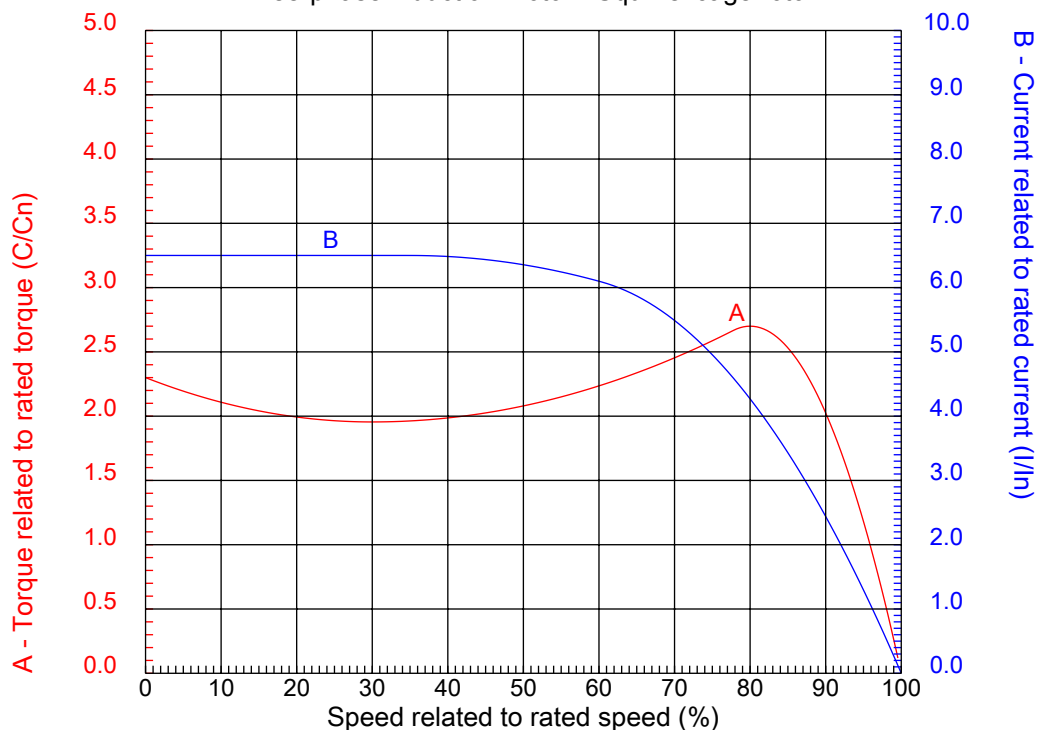
Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 256T	Locked rotor current (I _l /I _n)	: 6.5
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1765 rpm	Design	: B
Voltage	: 200 V	Locked rotor torque	: 230 %
Rated current	: 55.4 A	Breakdown torque	: 270 %
Insulation class	: F		

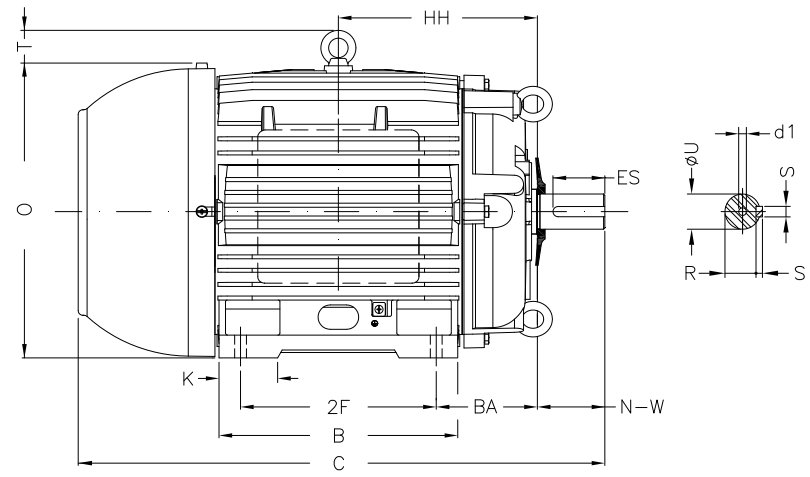
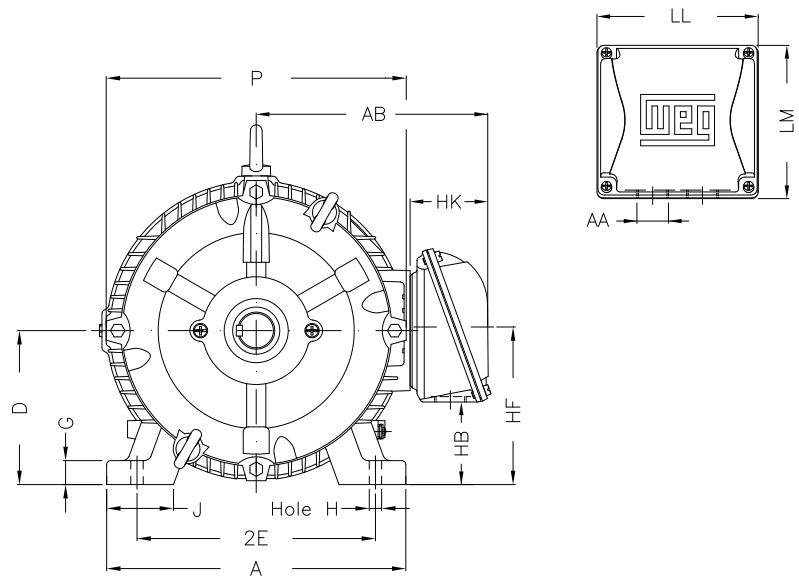
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Performed by

Checked

1 2 3 4 5 6 7 8

A
B
C
D
E
F



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Customer:

W22 Cooling Tower Motors: NEMA Premium - TEFC

Three-phase induction motor
Frame 256T - IP55

23-SEP-2016



2E 10.000	J 2.539	A 12.126	P 12.480	AB 10.483
2F 10.000	K 2.559	B 11.732	BA 4.250	U 1.625
N-W 4.000	ES 2.756	S 0.375	R 1.406	depth 0.375
D 6.250	G 0.827	HB 3.061	O 12.598	T 2.087
HF 6.565	HH 9.250	HK 3.987	H 0.531	C 24.945
LL 7.813	LM 7.482	AA NPT 1 1/2"	d1 A 4	d2 A 4

1 2 3 4 5 6 7 8

A
B
C
D
E
F

RUN



ONLY FOR START



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Performed by:		
Checked:		
Customer:		
W22 Cooling Tower Motors: NEMA Premium - TEFC		
Three-phase induction motor Frame 256T - IP55	23-SEP-2016	