



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Oil Well Pumping : High Slip - NEMA Design "D" - ODP

Catalog Number : 00512OS3EOW215T

List Price : \$989

Notes:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Oil Well Pumping : High Slip - NEMA Design "D" - ODP

Frame : 215T
Output : 5 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1135 rpm
Slip : 5.42 %
Voltage : 208-230/460 V
Rated current : 15.8-14.3/7.15 A
Locked rotor current : 91.5/45.8 A
Locked rotor current (I_L/I_N) : 6.4
No-load current : 8.00/4.00 A
Full load torque : 22.8 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 0 %
Design : D
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 20 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP21
Approximate weight : 115 lb
Moment of inertia : 1.1958 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6208 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.76	85.5
75%	0.69	85.1
50%	0.57	84.1

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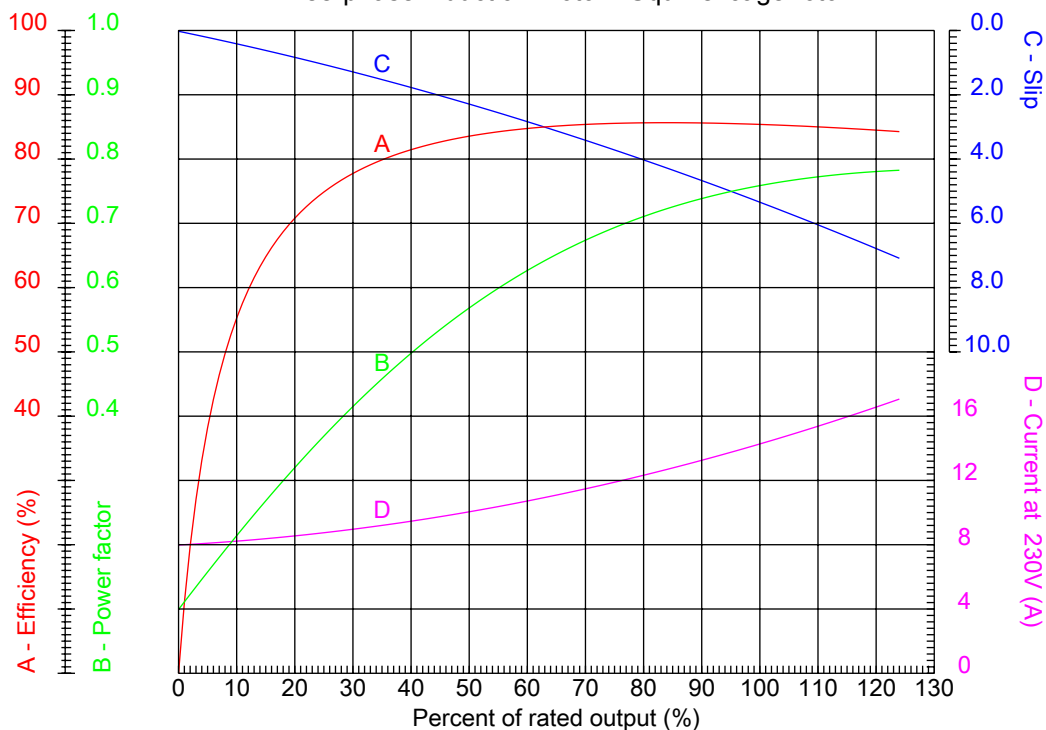
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Oil Well Pumping : High Slip - NEMA Design "D" - ODP

Frame	: 215T	Locked rotor current (I _L /I _n)	: 6.4
Output	: 5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.00
Full load speed	: 1135 rpm	Design	: D
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 15.8-14.3/7.15 A	Breakdown torque	: 0 %
Insulation class	: F		

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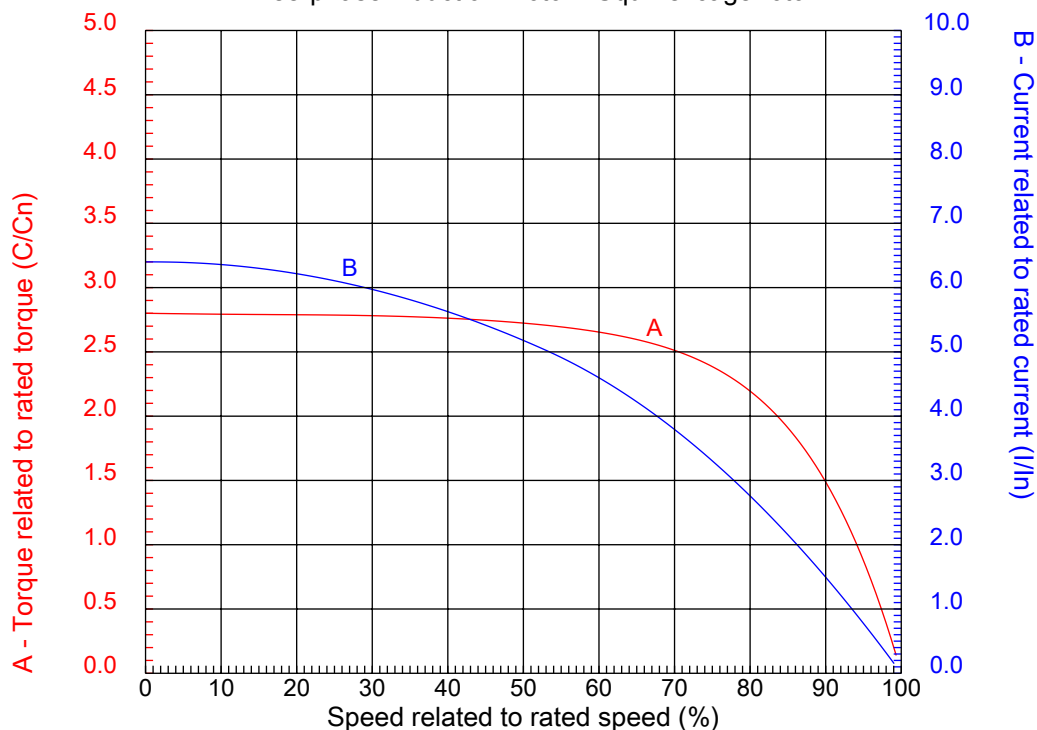
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



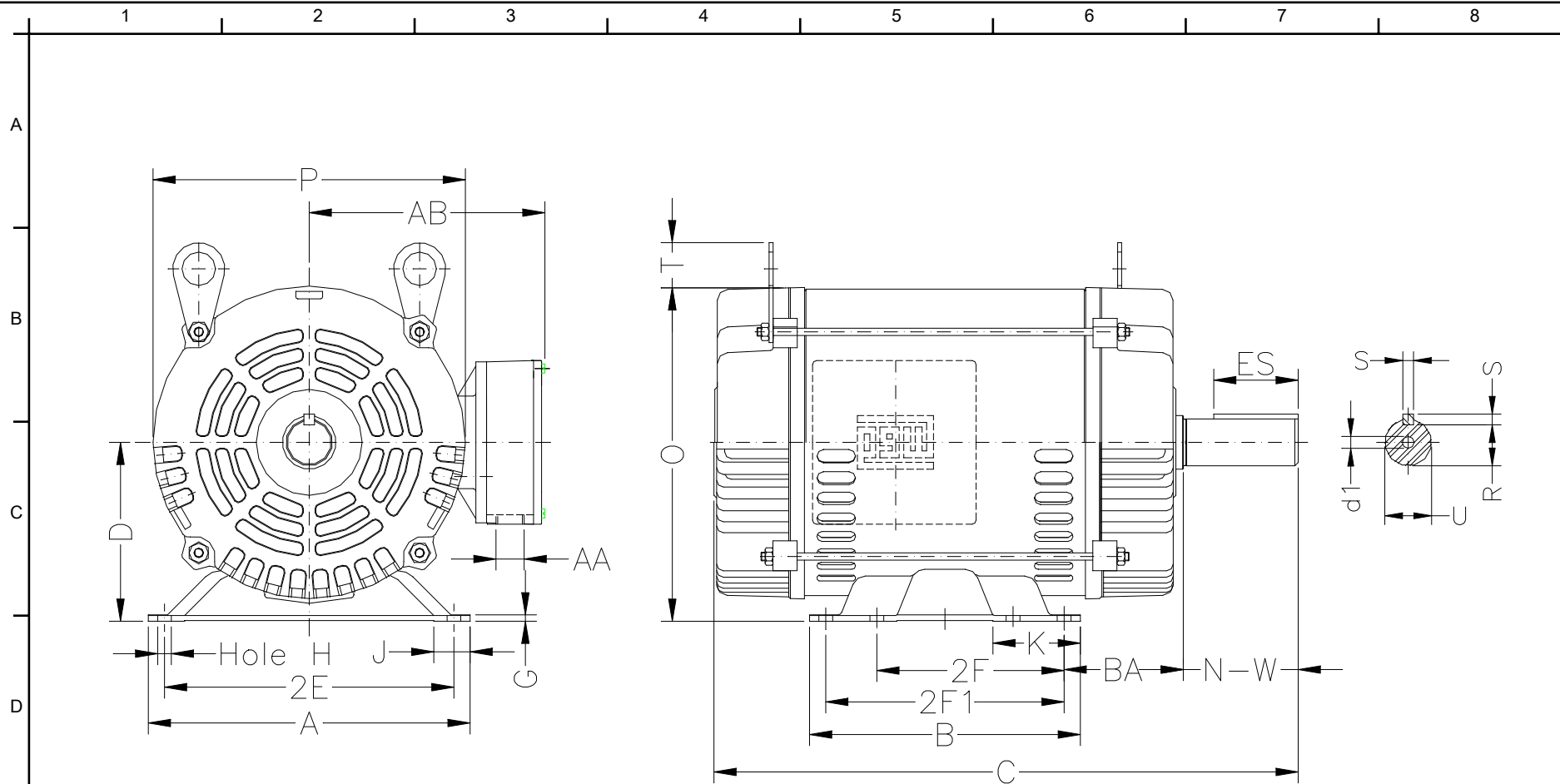
Customer :
Product line : Oil Well Pumping : High Slip - NEMA Design "D" - ODP

Frame	: 215T	Locked rotor current (I _L /I _n)	: 6.4
Output	: 5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.00
Full load speed	: 1135 rpm	Design	: D
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 15.8-14.3/7.15 A	Breakdown torque	: 238 %
Insulation class	: F		

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Customer:

Oil Well Pumping : High Slip - NEMA Design "D" - ODP

Three-phase induction motor
Frame 215T - IP21

13-SEP-2016



2E 8.500	A 9.448	2F 5.500/7.000	B 7.952	BA 3.488
J 1.063	K 2.567	P 8.779	ES 2.480	depth 0.313
S 0.313	N-W 3.375	U 1.375	R 1.203	AB 7.795
D 5.250	G 0.187	O 9.842	T 1.378	H 0.406
C 17.165	AA NPT 3/4"	d1 A 4	d2 A 4	

1 2 3 4 5 6 7 8

LOW VOLTAGE

HIGH VOLTAGE

A

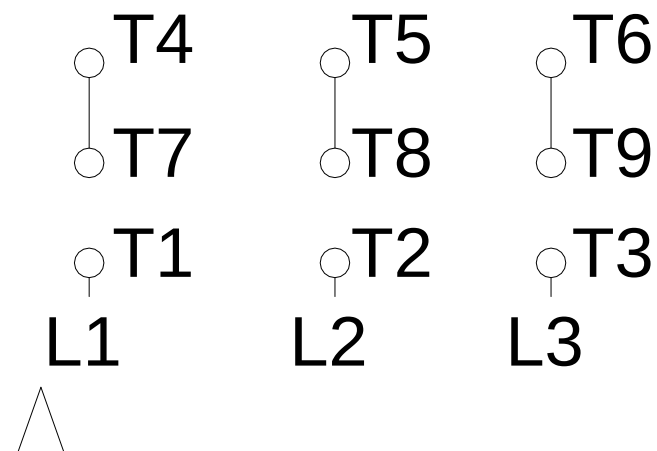
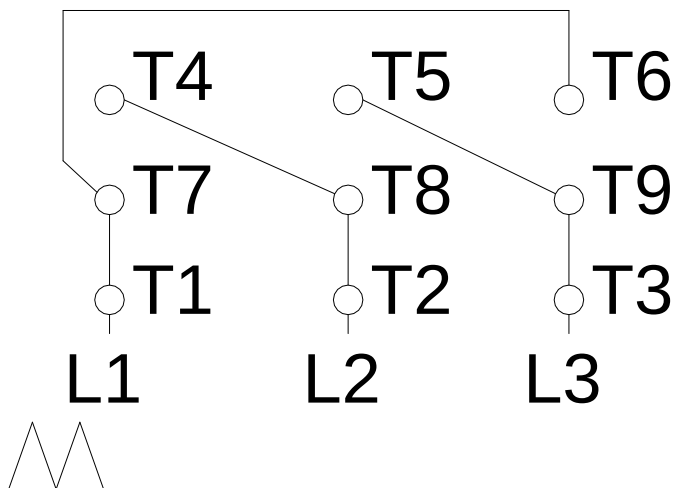
B

C

D

E

F



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Oil Well Pumping : High Slip - NEMA Design "D" - ODP

Three-phase induction motor
Frame 215T - IP21

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