



Dealers Industrial Equipment

No.:

Date: 12-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 : 00312OS3EOW213T

List Price : \$866

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #00312OS3EOW213T

Performed by:

Checked:



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 213T
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1115 rpm
 Slip : 7.08 %
 Voltage : 208-230/460 V
 Rated current : 10.4-9.38/4.69 A
 Locked rotor current : 53.5/26.7 A
 Locked rotor current (I_L/I_n) : 5.7
 No-load current : 5.00/2.50 A
 Full load torque : 13.9 lb.ft
 Locked rotor torque : 380 %
 Breakdown torque : 0 %
 Design : D
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 22 s (hot)
 Service factor : 1.00
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP21
 Approximate weight : 88 lb
 Moment of inertia : 0.91977 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.73	80.7
75%	0.65	80.0
50%	0.52	79.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00312OS3EOW213T

Performed by

Checked



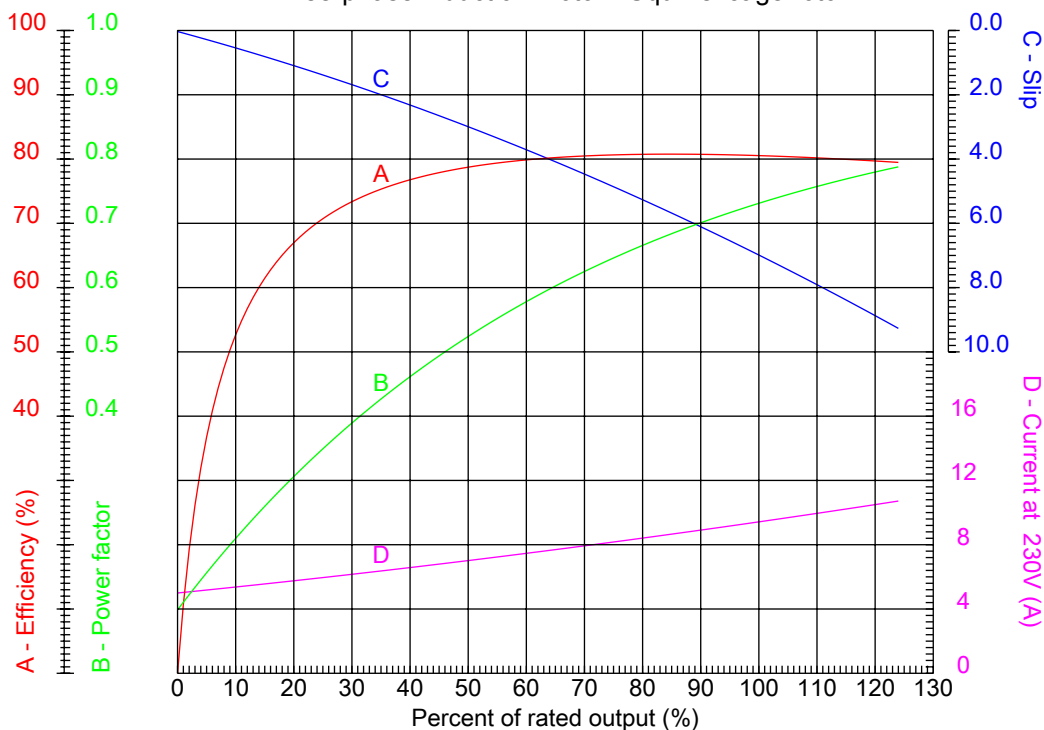
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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	: 213T	Locked rotor current (I _L /I _n)	: 5.7
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.00
Full load speed	: 1115 rpm	Design	: D
Voltage	: 208-230/460 V	Locked rotor torque	: 380 %
Rated current	: 10.4-9.38/4.69 A	Breakdown torque	: 0 %
Insulation class	: F		

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00312OS3EOW213T

Performed by

Checked



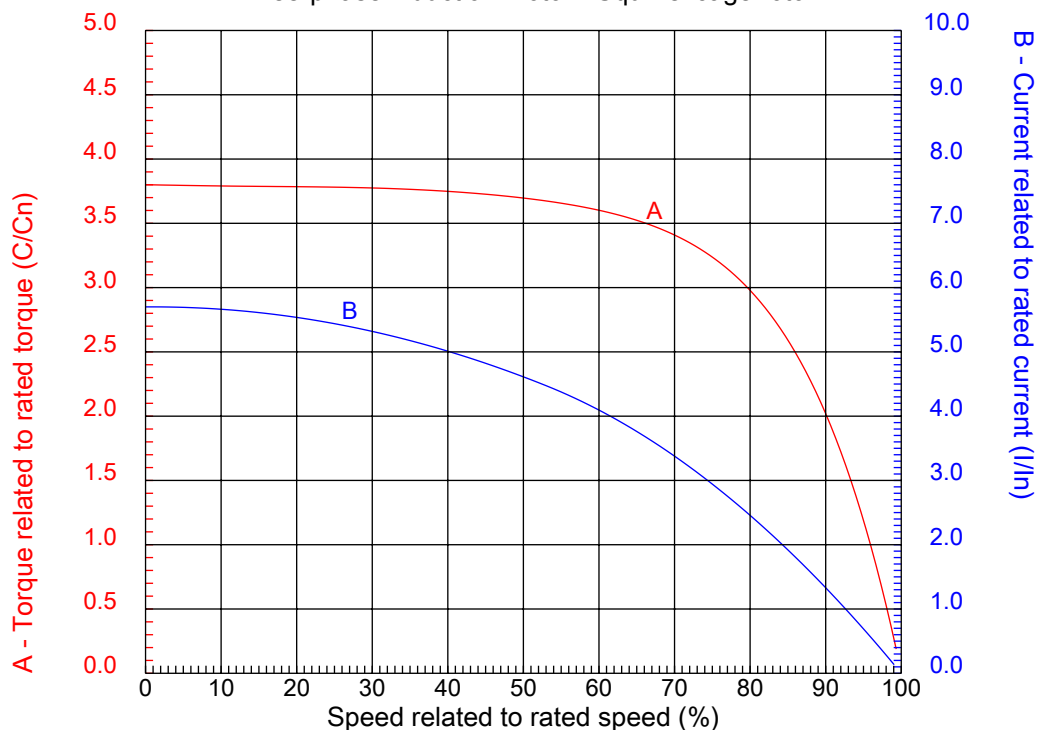
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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	: 213T	Locked rotor current (I _l /I _h)	: 5.7
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.00
Full load speed	: 1115 rpm	Design	: D
Voltage	: 208-230/460 V	Locked rotor torque	: 380 %
Rated current	: 10.4-9.38/4.69 A	Breakdown torque	: 323 %
Insulation class	: F		

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00312OS3EOW213T

Performed by

Checked

1 2 3 4 5 6 7 8

LOW VOLTAGE

HIGH VOLTAGE

A
B
C
D
E
F



Notes: Downloaded from http://dealerselectric.com Generated for Model #00312OS3EOW213T		
Performed by:		
Checked:		
Customer:		
Oil Well Pumping : High Slip - NEMA Design "D" - ODP		
Three-phase induction motor Frame 213T - IP21	12-SEP-2016	