



No.:

Date: 27-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium

Catalog Number : 01018ET3H215JP-W22

List Price : \$1,823

Notes:

Performed by:

Checked:



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## DATA SHEET

### Three-phase induction motor - Squirrel cage rotor

Customer :  
Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium

Frame : 215JP  
Output : 10 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1760  
Slip : 2.22 %  
Voltage : 575 V  
Rated current : 9.92 A  
Locked rotor current : 63.5 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
No-load current : 4.52 A  
Full load torque : 29.4 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 300 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 17 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP55  
Approximate weight : 172 lb  
Moment of inertia : 1.5104 sq.ft.lb  
Noise level : 58 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6309 Z-C3	6207 ZZ	100%	0.83	91.7
Regreasing interval	20000 h	---	75%	0.77	91.7
Grease amount	13 g	---	50%	0.66	90.2

Notes:

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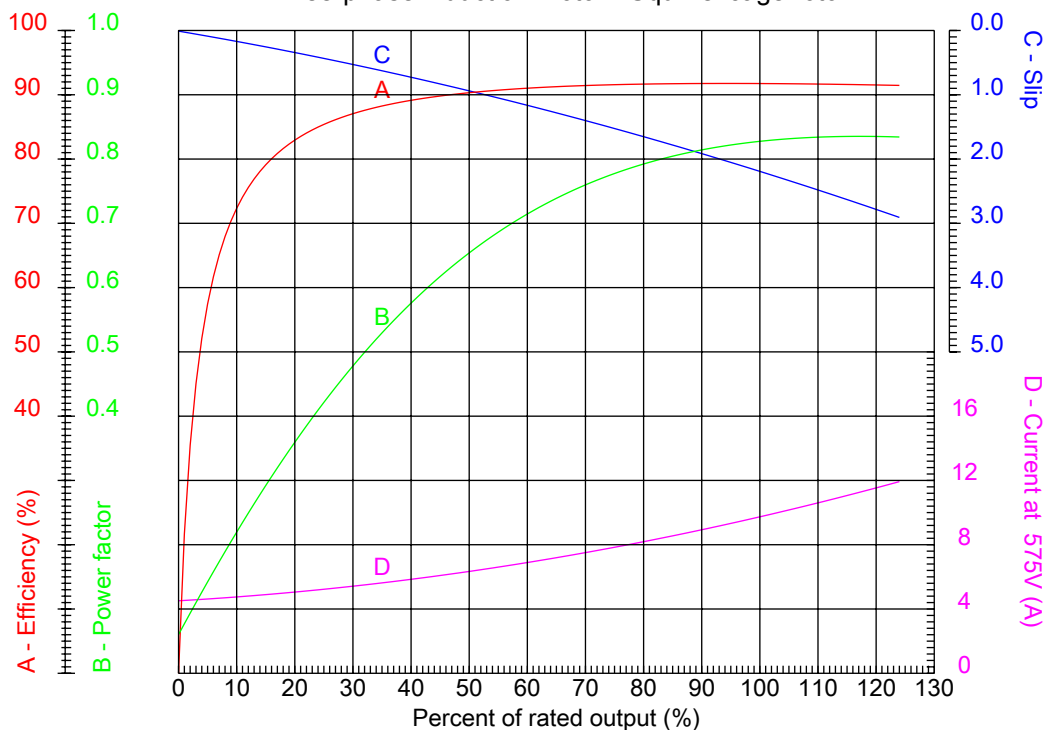
Checked



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### PERFORMANCE CURVES RELATED TO RATED OUTPUT Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium

Frame	: 215JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.4
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1760	Design	: B
Voltage	: 575 V	Locked rotor torque	: 200 %
Rated current	: 9.92 A	Breakdown torque	: 300 %
Insulation class	: F		

Notes:

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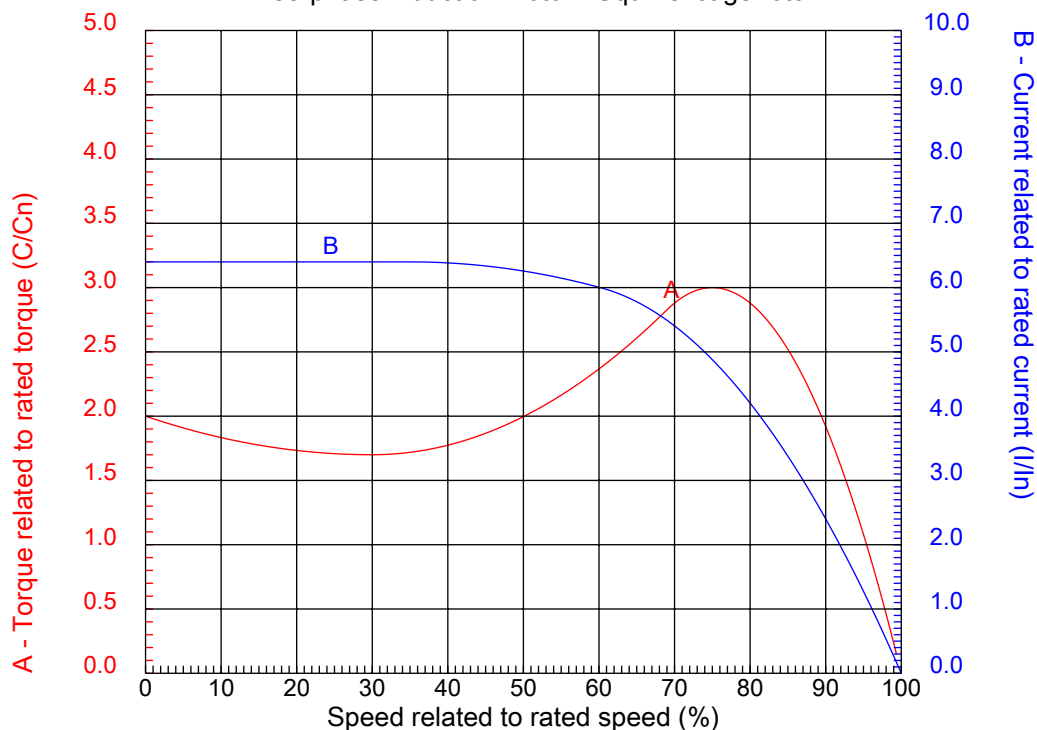


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### CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium

Frame	: 215JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.4
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1760	Design	: B
Voltage	: 575 V	Locked rotor torque	: 200 %
Rated current	: 9.92 A	Breakdown torque	: 300 %
Insulation class	: F		

Notes:

Performed by

Checked

