



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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 : 04036ET3H324JP-W22

List Price : \$5,628

#### Notes:

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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 : 324/6JP  
 Output : 40 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3555 rpm  
 Slip : 1.25 %  
 Voltage : 575 V  
 Rated current : 36.6 A  
 Locked rotor current : 231 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.3  
 No-load current : 8.80 A  
 Full load torque : 58.3 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 240 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 22 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 547 lb  
 Moment of inertia : 4.8955 sq.ft.lb  
 Noise level : 78 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6212 C3
Regreasing interval	12000 h	15000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.89	92.4
75%	0.87	92.4
50%	0.82	91.7

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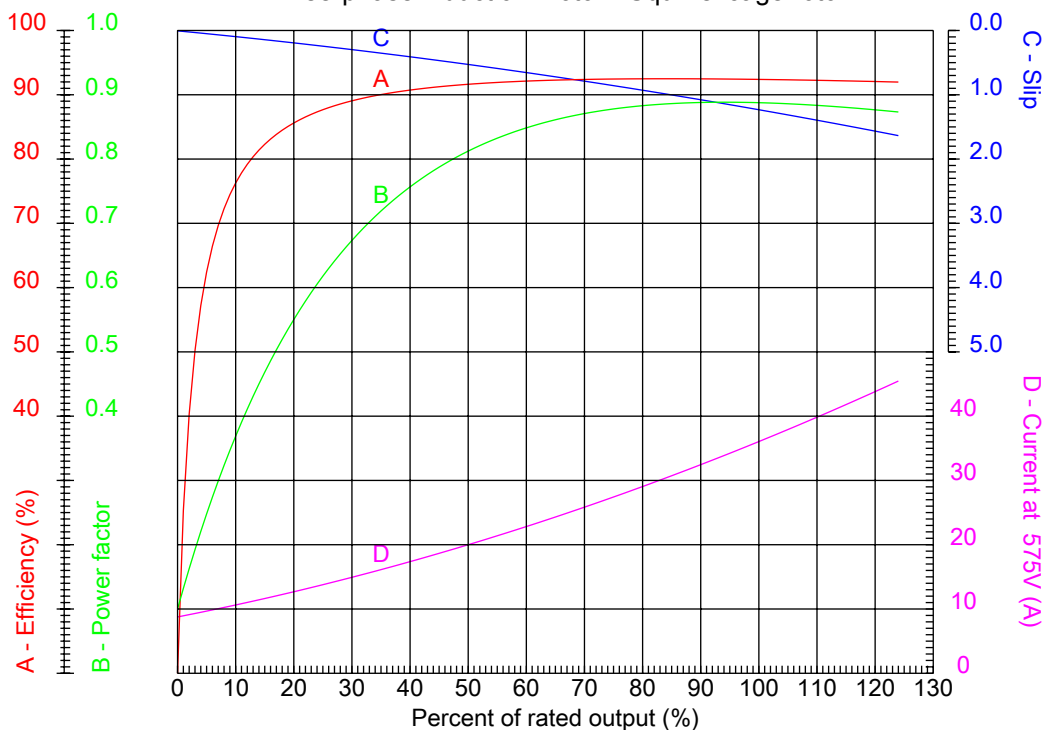
# Dealers Industrial Equipment

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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	: 324/6JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3555 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 230 %
Rated current	: 36.6 A	Breakdown torque	: 240 %
Insulation class	: F		

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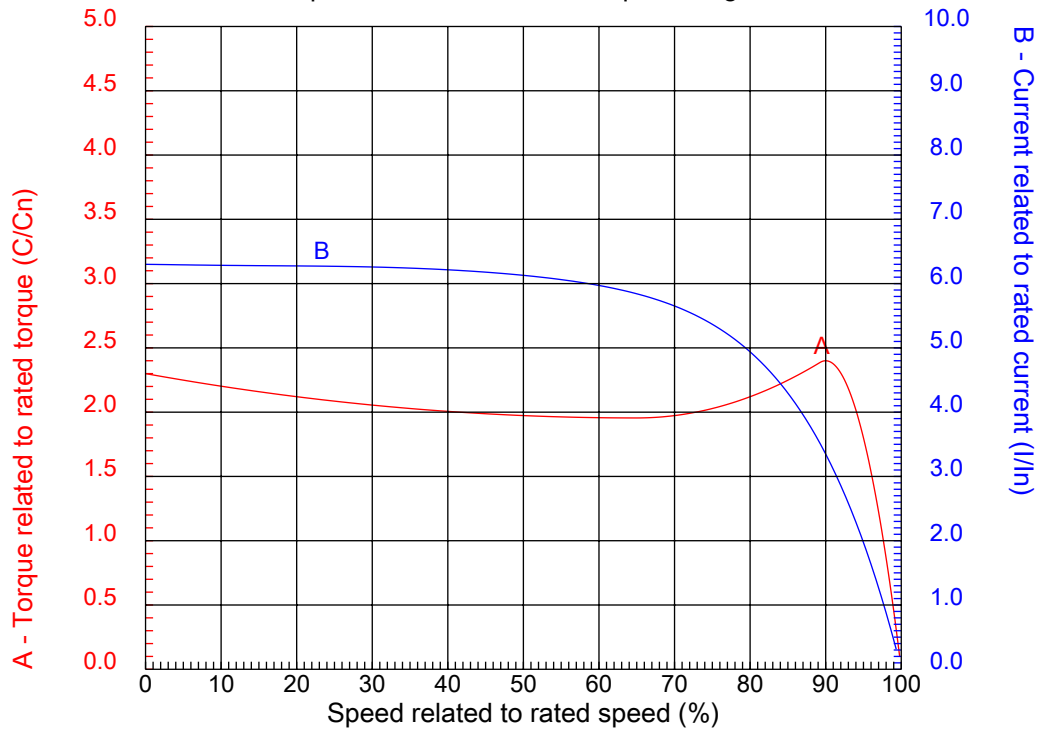
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 324/6JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3555 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 230 %
Rated current	: 36.6 A	Breakdown torque	: 240 %
Insulation class	: F		

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2E	J	A	P	AB
12.500	3.189	15.157	15.827	12.575
2F	K	B	BA	D
10.500/12.000	4.055	14.567	5.250	8.000
G	O	T	H	AA
1.300	15.953	2.441	0.657	NPT 2"
EQ	ET	U	EM	EL
2.402	5.906	1.249	1.375	1.750
EP	ES	t1	t2	C
2.360	2.480	1.102	1.476	34.021
d1	HH	HK	HB	LL
EUNC 1/2"-13	11.250	4.705	4.811	9.055
LM	S	R	Flange	AJ
8.661	0.250	1.110	FC-279	11.000
AK	BD	BF	BB	AH
12.500	13.593	UNC 5/8"x11	0.248	8.130

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Customer:

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

Three-phase induction motor  
 Frame 324/6JP - IP55

23-SEP-2016



1 2 3 4 5 6 7 8

A

B

C

D

E

F



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Customer:

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

Three-phase induction motor  
Frame 324/6JP - IP55

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