



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 : 03018ET3H286JP-W22

List Price : \$4,167

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 : 284/6JP
 Output : 30 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1765 rpm
 Slip : 1.94 %
 Voltage : 575 V
 Rated current : 28.1 A
 Locked rotor current : 171 A
 Locked rotor current (I_L/I_n) : 6.1
 No-load current : 10.4 A
 Full load torque : 88.1 lb.ft
 Locked rotor torque : 240 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 20 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 437 lb
 Moment of inertia : 5.8532 sq.ft.lb
 Noise level : 64 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6311 C3	6211 C3	100%	0.84	93.6
Regreasing interval	20000 h	20000 h	75%	0.80	93.0
Grease amount	18 g	11 g	50%	0.70	93.0

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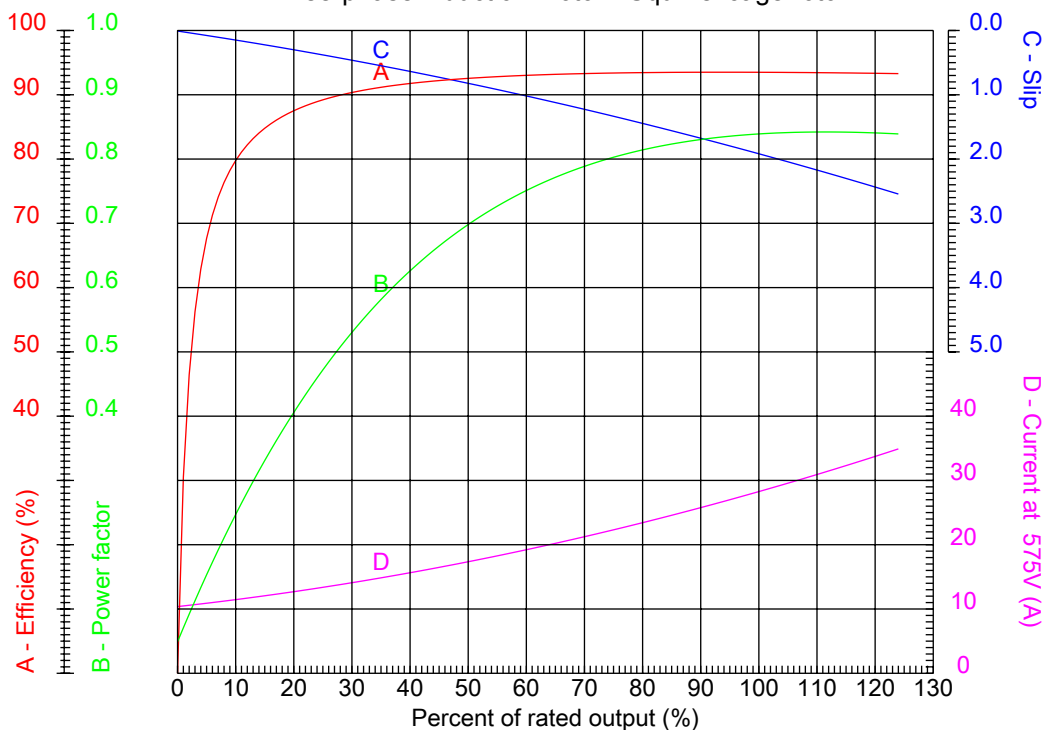
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 284/6JP	Locked rotor current (I _l /I _n)	: 6.1
Output	: 30 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1765 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 240 %
Rated current	: 28.1 A	Breakdown torque	: 240 %
Insulation class	: F		

Notes:
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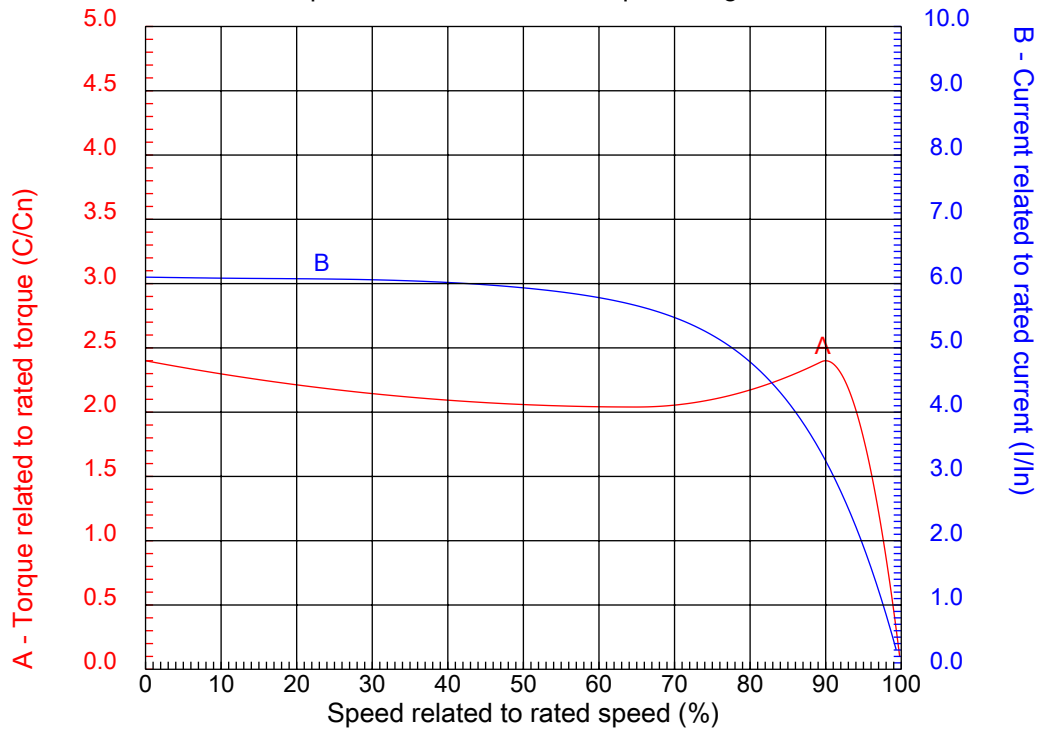
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 284/6JP	Locked rotor current (I _l /I _n)	: 6.1
Output	: 30 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1765 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 240 %
Rated current	: 28.1 A	Breakdown torque	: 240 %
Insulation class	: F		

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2E	J	A	P	AB
11.000	3.071	13.780	14.173	11.073
2F	K	B	BA	D
9.500/11.000	3.583	13.071	4.750	7.000
G	O	T	H	AA
1.023	14.067	2.087	0.531	NPT 1 1/2"
EQ	ET	U	EM	EL
2.382	5.886	1.249	1.375	1.750
EP	ES	t1	t2	C
2.163	2.480	0.984	1.102	31.575
d1	HH	HK	HB	LL
EUNC 1/2"-13	10.250	3.976	3.535	7.815
LM	S	R	Flange	AJ
7.480	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

Performed by:

Checked:

Customer:

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

Three-phase induction motor
 Frame 284/6JP - IP55

23-SEP-2016



1 2 3 4 5 6 7 8

A
B
C
D
E
F

RUN

ONLY FOR START



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Checked:		
Customer:		
Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium		
Three-phase induction motor Frame 284/6JP - IP55	23-SEP-2016	