



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 : 03036ET3V286JP-W22

List Price : \$4,614

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #03036ET3V286JP-W22

Performed by:

Checked:



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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 : 2
 Full load speed : 3535 rpm
 Slip : 1.81 %
 Voltage : 200/400 V
 Rated current : 77.7/38.9 A
 Locked rotor current : 490/245 A
 Locked rotor current (I_L/I_n) : 6.3
 No-load current : 19.5/9.78 A
 Full load torque : 44.0 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 392 lb
 Moment of inertia : 3.3671 sq.ft.lb
 Noise level : 72 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	14000 h	17000 h
Grease amount	18 g	11 g

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

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #03036ET3V286JP-W22

Performed by

Checked



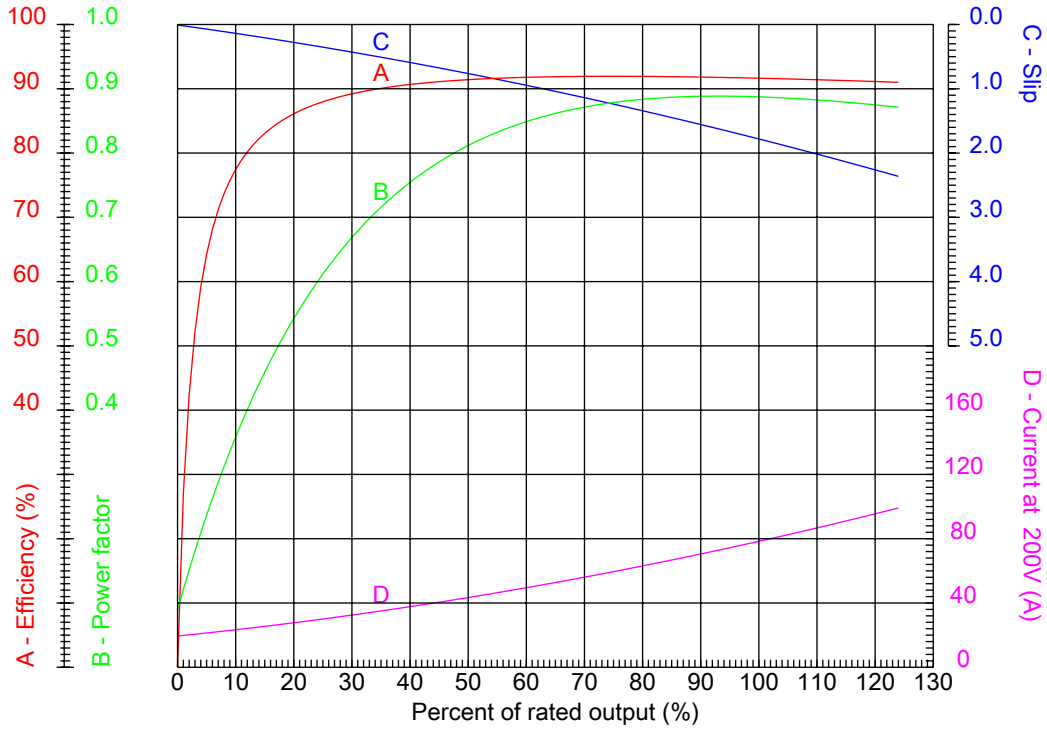
Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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)	: 6.3
Output	: 30 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3535 rpm	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 200 %
Rated current	: 77.7/38.9 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #03036ET3V286JP-W22

Performed by

Checked



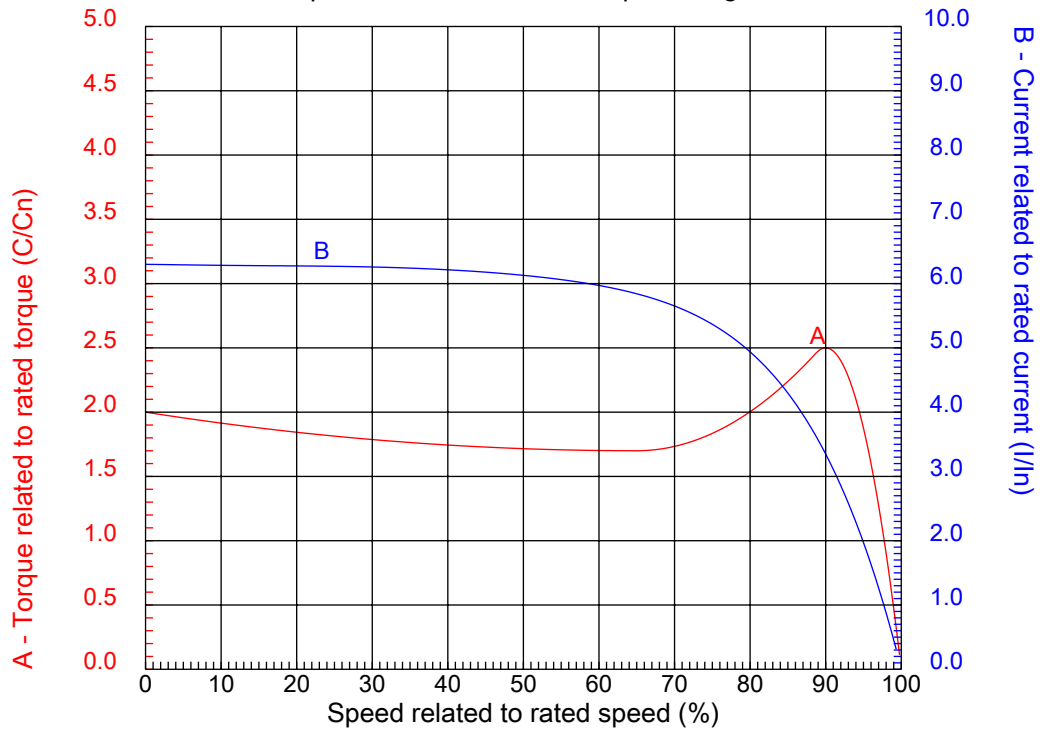
Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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)	: 6.3
Output	: 30 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3535 rpm	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 200 %
Rated current	: 77.7/38.9 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #03036ET3V286JP-W22

Performed by

Checked



Notes: Downloaded from <http://dealerselectric.com>
 Generated for Model #03036ET3V286JP-W22

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

LOW VOLTAGE

HIGH VOLTAGE

A
B
C
D
E
F



Notes: Downloaded from http://dealerselectric.com Generated for Model #03036ET3V286JP-W22		
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	