



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 - "JM" Type - ODP - NEMA Premium

Catalog Number : 02518OT3H284JM

List Price : \$2,912

Notes:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame : 284JM
 Output : 25 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1770 rpm
 Slip : 1.67 %
 Voltage : 575 V
 Rated current : 23.9 A
 Locked rotor current : 160 A
 Locked rotor current (I_L/I_n) : 6.7
 No-load current : 9.60 A
 Full load torque : 73.2 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 280 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 342 lb
 Moment of inertia : 3.4055 sq.ft.lb
 Noise level : 62 dB(A)

	D.E.	N.D.E.
Bearings	6311 Z-C3	6211 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.83	93.6
75%	0.78	93.0
50%	0.67	92.4

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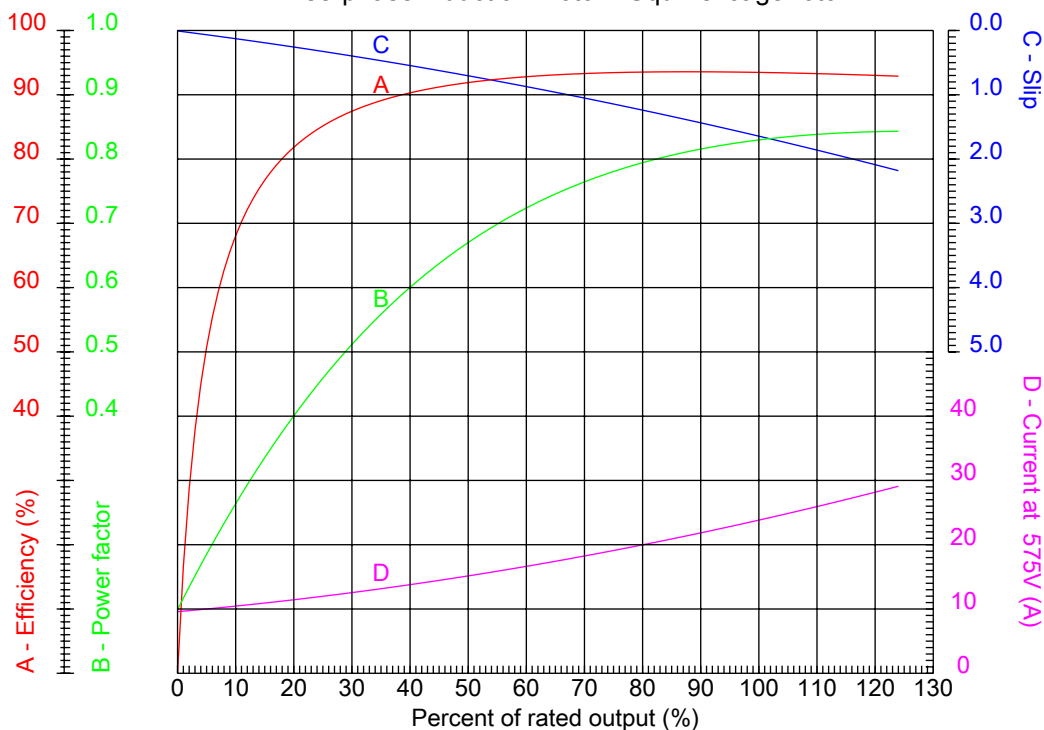
Dealers Industrial Equipment

No.:

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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 - "JM" Type - ODP - NEMA Premium

Frame : 284JM	Locked rotor current (I _L /I _n) : 6.7
Output : 25 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 1770 rpm	Design : B
Voltage : 575 V	Locked rotor torque : 250 %
Rated current : 23.9 A	Breakdown torque : 280 %
Insulation class : F	

Notes:
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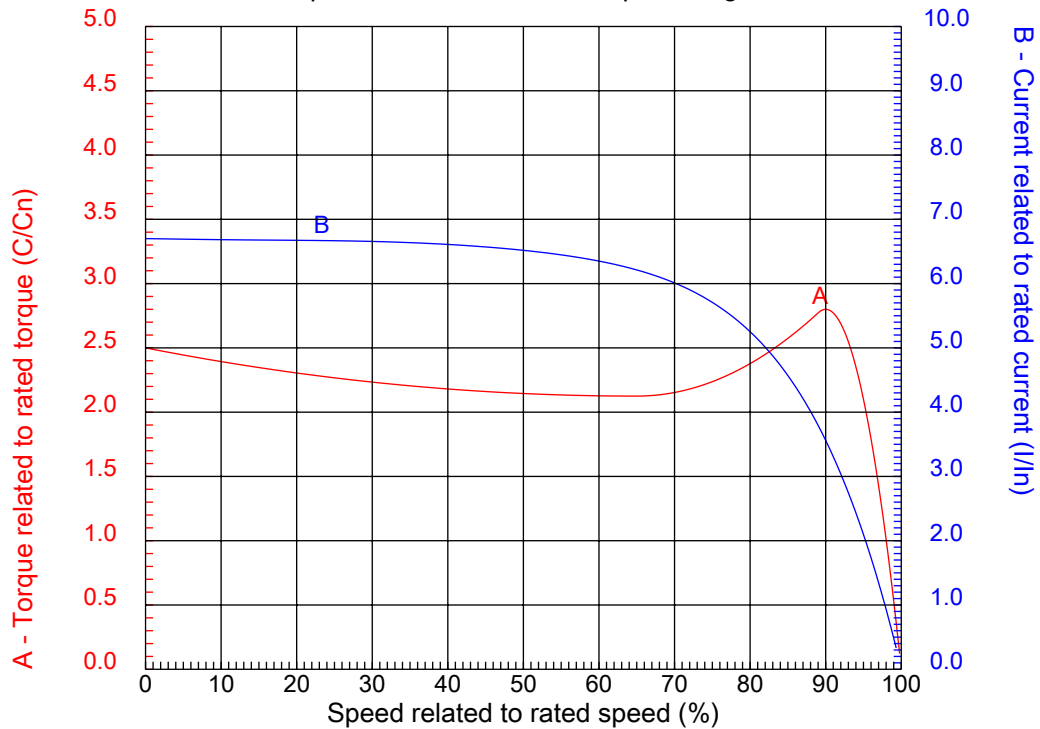
Dealers Industrial Equipment

No.:

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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame	: 284JM	Locked rotor current (I _l /I _n)	: 6.7
Output	: 25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1770 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 250 %
Rated current	: 23.9 A	Breakdown torque	: 280 %
Insulation class	: F		

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2E	A	2F	B	J
11.000	13.780	9.500	11.574	3.150
BA	D	K	G	O
5.000	7.000	2.953	1.102	13.858
P	T	AB	H	AA
13.700	2.165	10.866	0.531	NPT 1 1/2"
ER	EQ	ET	U	EM
5.250	0.630	3.006	1.249	1.375
EL	S	EP	R	d1
1.750	0.250	2.163	1.110	EUNC 1/2"-13
ES	t1	t2	C	CH
2.480	0.984	1.496	24.261	2.323
Flange FC-279	AJ	AK	BD	BF
	11.000	12.500	14.000	UNC 5/8"x11
BB	AH			
0.250	5.250			

Performed by:

Checked:

Customer:

Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Three-phase induction motor
Frame 284JM - IP23

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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Performed by:		
Checked:		
Customer:		
Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium		
Three-phase induction motor Frame 284JM - IP23	23-SEP-2016	