



# 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 : 05018OT3H326JM

List Price : \$4,877

#### 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 : 326JM  
 Output : 50 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1775 rpm  
 Slip : 1.39 %  
 Voltage : 575 V  
 Rated current : 47.9 A  
 Locked rotor current : 302 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.3  
 No-load current : 19.2 A  
 Full load torque : 146 lb.ft  
 Locked rotor torque : 240 %  
 Breakdown torque : 250 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 12 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 573 lb  
 Moment of inertia : 7.0355 sq.ft.lb  
 Noise level : 65 dB(A)

	D.E.	N.D.E.
Bearings	6312 Z-C3	6212 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.82	94.5
75%	0.79	94.5
50%	0.70	94.1

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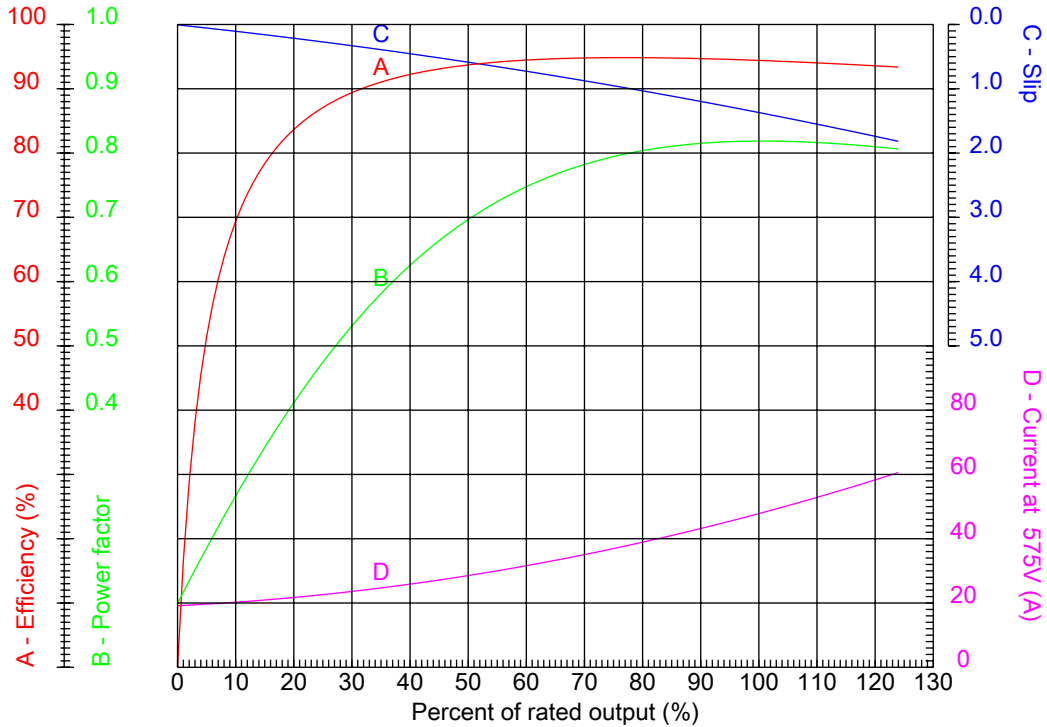
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 326JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 6.3
Output : 50 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 1775 rpm	Design : B
Voltage : 575 V	Locked rotor torque : 240 %
Rated current : 47.9 A	Breakdown torque : 250 %
Insulation class : F	

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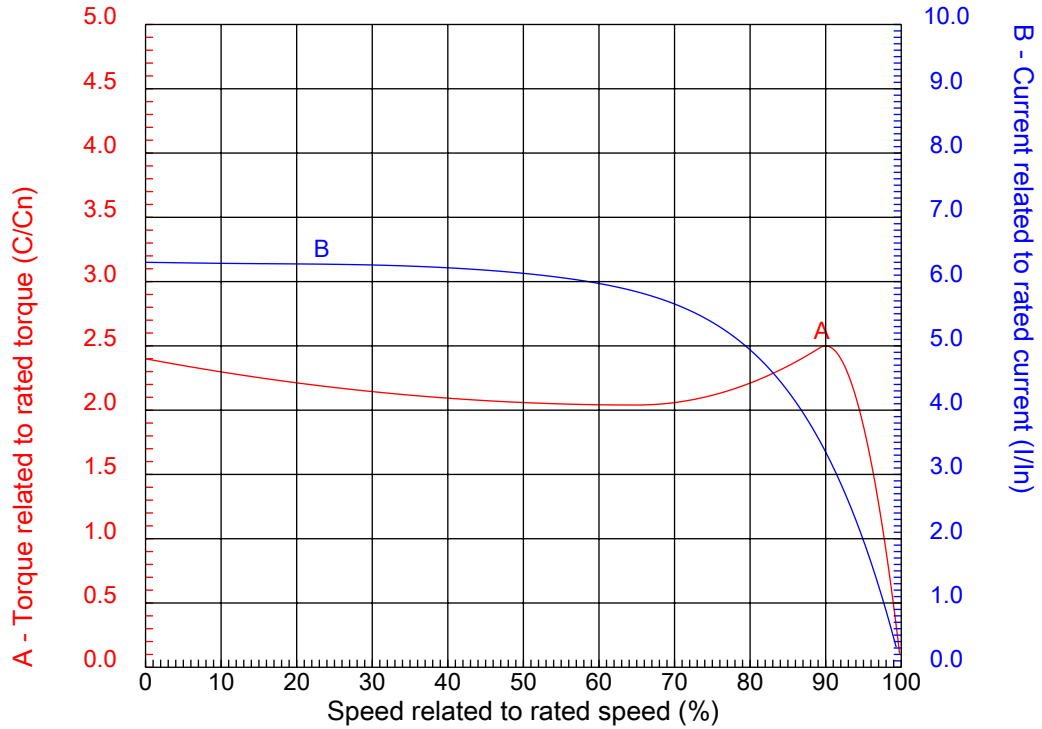
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 326JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1775 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 240 %
Rated current	: 47.9 A	Breakdown torque	: 250 %
Insulation class	: F		

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E	2E 12.500	A 15.160	2F 12.000	B 14.566	J 3.230
	BA 5.500	D 8.000	K 3.350	G 1.299	O 15.551
	P 15.118	T 2.559	AB 11.496	H 0.657	AA NPT 2"
	ER 5.250	EQ 0.630	ET 3.006	U 1.249	EM 1.375
	EL 1.750	S 0.250	EP 2.360	R 1.110	d1 EUNC 1/2"-13
F	ES 2.559	t1 0.984	t2 1.496	C 27.927	CH 2.716
	Flange FC-279	AJ 11.000	AK 12.500	BD 13.189	BF UNC 5/8"x11
	BB 0.250	AH 5.250			

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Customer:

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

Three-phase induction motor  
Frame 326JM - IP23

23-SEP-2016



1 2 3 4 5 6 7 8

A

B

C

D

E

F



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

Three-phase induction motor  
Frame 326JM - IP23

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