



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 : 02018OT3H256JM

List Price : \$2,413

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 : 256JM
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1770 rpm
 Slip : 1.67 %
 Voltage : 575 V
 Rated current : 19.8 A
 Locked rotor current : 124 A
 Locked rotor current (I_L/I_n) : 6.3
 No-load current : 9.60 A
 Full load torque : 58.5 lb.ft
 Locked rotor torque : 260 %
 Breakdown torque : 280 %
 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 : 295 lb
 Moment of inertia : 2.6198 sq.ft.lb
 Noise level : 60 dB(A)

	D.E.	N.D.E.
Bearings	6309 Z-C3	6209 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.82	93.0
75%	0.72	93.0
50%	0.63	91.7

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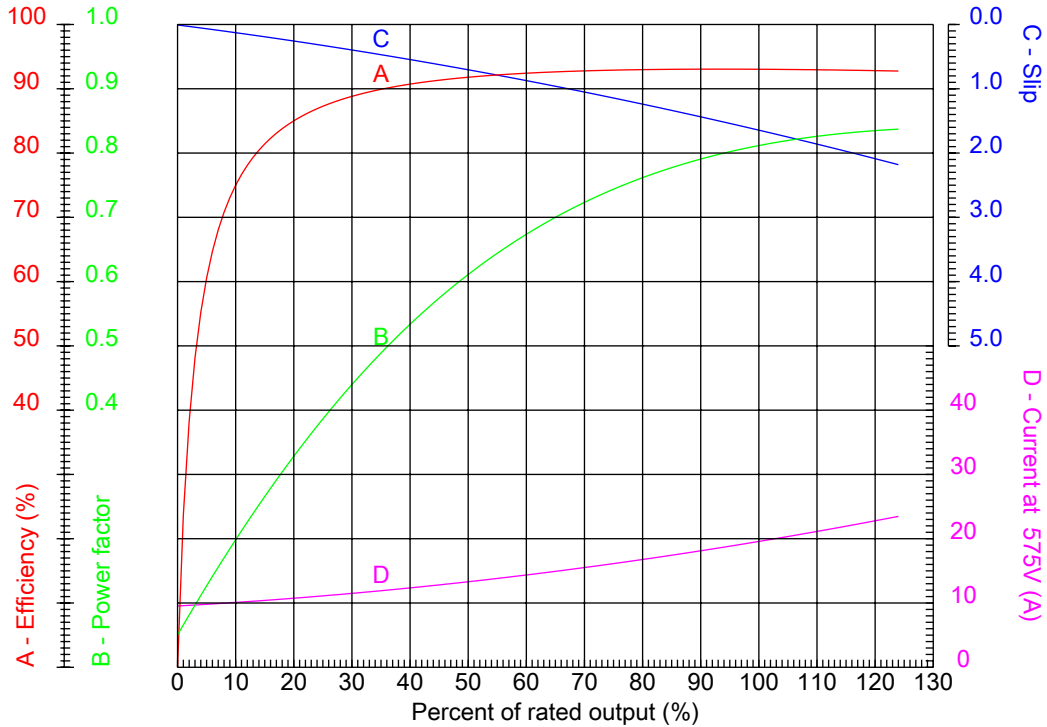
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 256JM	Locked rotor current (I _l /I _n) : 6.3
Output : 20 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 1770 rpm	Design : B
Voltage : 575 V	Locked rotor torque : 260 %
Rated current : 19.8 A	Breakdown torque : 280 %
Insulation class : F	

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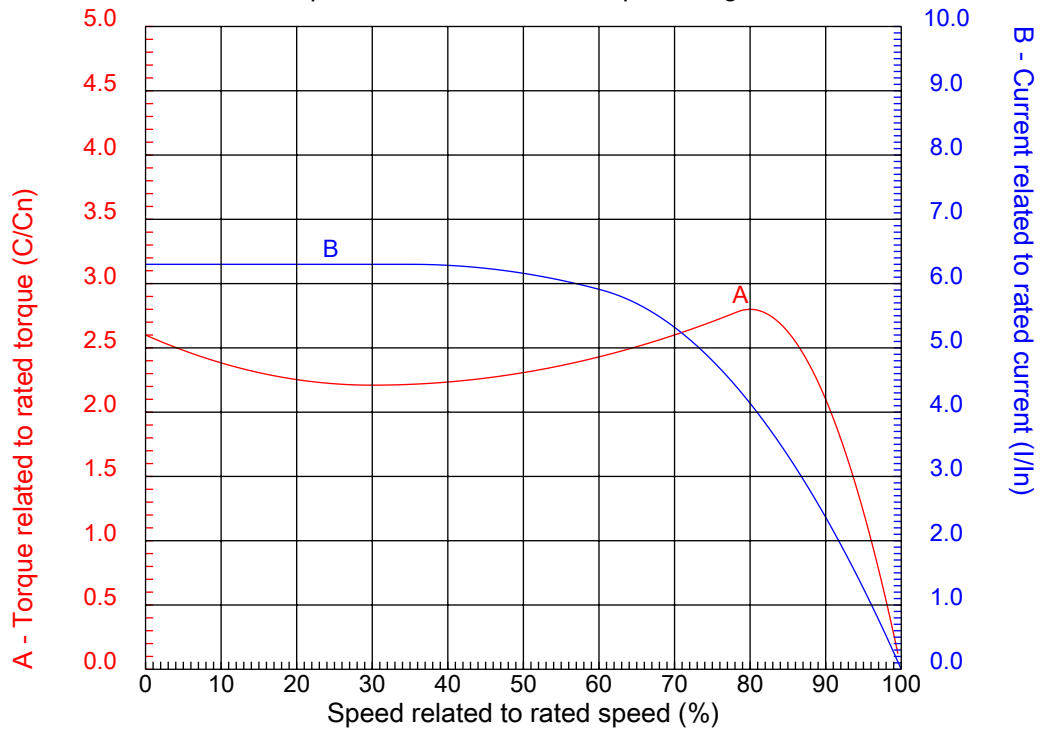
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No.:

Date: 23-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 256JM	Locked rotor current (I _l /I _n)	: 6.3
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1770 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 260 %
Rated current	: 19.8 A	Breakdown torque	: 280 %
Insulation class	: F		

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E	2E 10.000	A 12.130	2F 10.000	B 11.732	J 2.520
	BA 4.500	D 6.220	K 2.560	G 0.787	O 12.204
	P 11.812	T 2.165	AB 10.079	H 0.531	AA NPT 1 1/2"
	ER 5.250	EQ 0.630	ET 3.006	U 1.249	EM 1.375
	EL 1.750	S 0.250	EP 1.750	R 1.110	d1 EUNC 1/2"-13
F	ES 2.559	t1 0.984	t2 1.496	C 23.902	CH 1.929
	Flange FC-184	AJ 7.250	AK 8.500	BD 8.858	BF UNC 1/2"x13
	BB 0.250	AH 5.250			

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Checked:	
Customer:	
Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium	
Three-phase induction motor Frame 256JM - 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 256JM - IP23	23-SEP-2016	