



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

## TECHNICAL PROPOSAL

### Three-phase induction motor - Squirrel cage rotor

Product line : W01 (Rolled Steel) Close Coupled Pump ODP - JM Type

Catalog Number : 02018OT3E256JM-SG

List Price : \$2,693

#### Notes:

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# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : W01 (Rolled Steel) Close Coupled Pump ODP - JM Type

Frame : 254/6JM  
 Output : 20 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1770 rpm  
 Slip : 1.67 %  
 Voltage : 208-230/460 V  
 Rated current : 55.3-50.0/25.0 A  
 Locked rotor current : 315/158 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.3  
 No-load current : 22.9/11.4 A  
 Full load torque : 58.5 lb.ft  
 Locked rotor torque : 240 %  
 Breakdown torque : 290 %  
 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 : ODP  
 Approximate weight : 198 lb  
 Moment of inertia : 2.2282 sq.ft.lb  
 Noise level : 64 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6309 Z-C3	6208 Z-C3	100%	0.81	93.0
Regreasing interval	20000 h	20000 h	75%	0.74	92.4
Grease amount	13 g	8 g	50%	0.63	92.4

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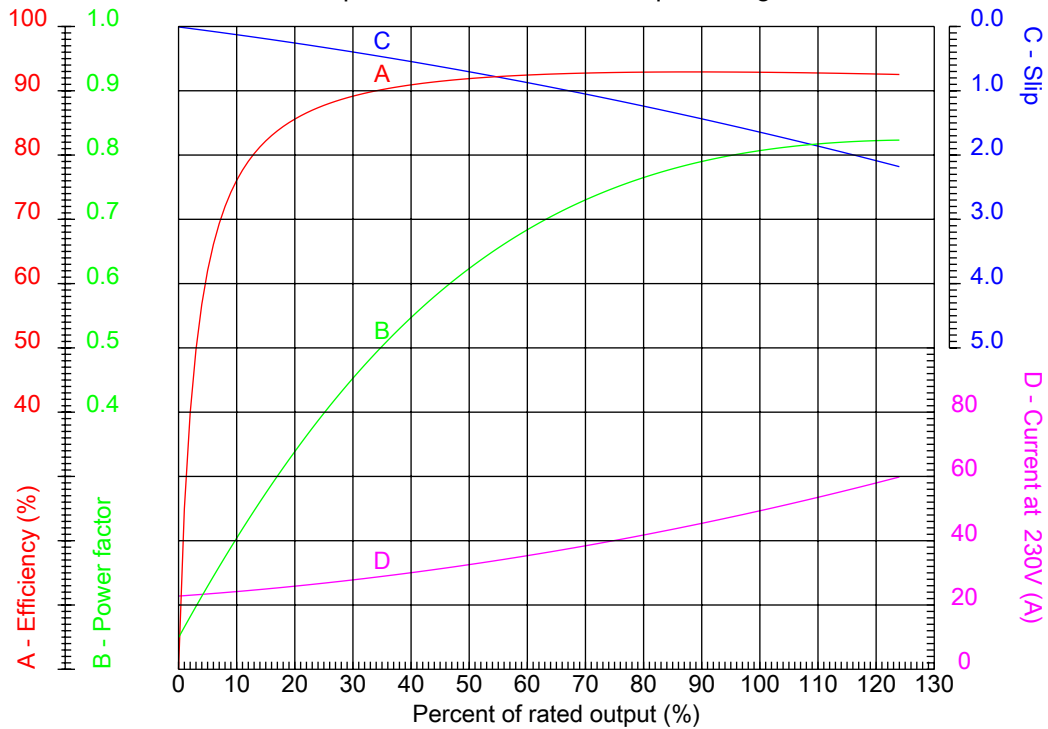
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W01 (Rolled Steel) Close Coupled Pump ODP - JM Type

Frame : 254/6JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 6.3
Output : 20 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 1770 rpm	Design : B
Voltage : 208-230/460 V	Locked rotor torque : 240 %
Rated current : 55.3-50.0/25.0 A	Breakdown torque : 290 %
Insulation class : F	

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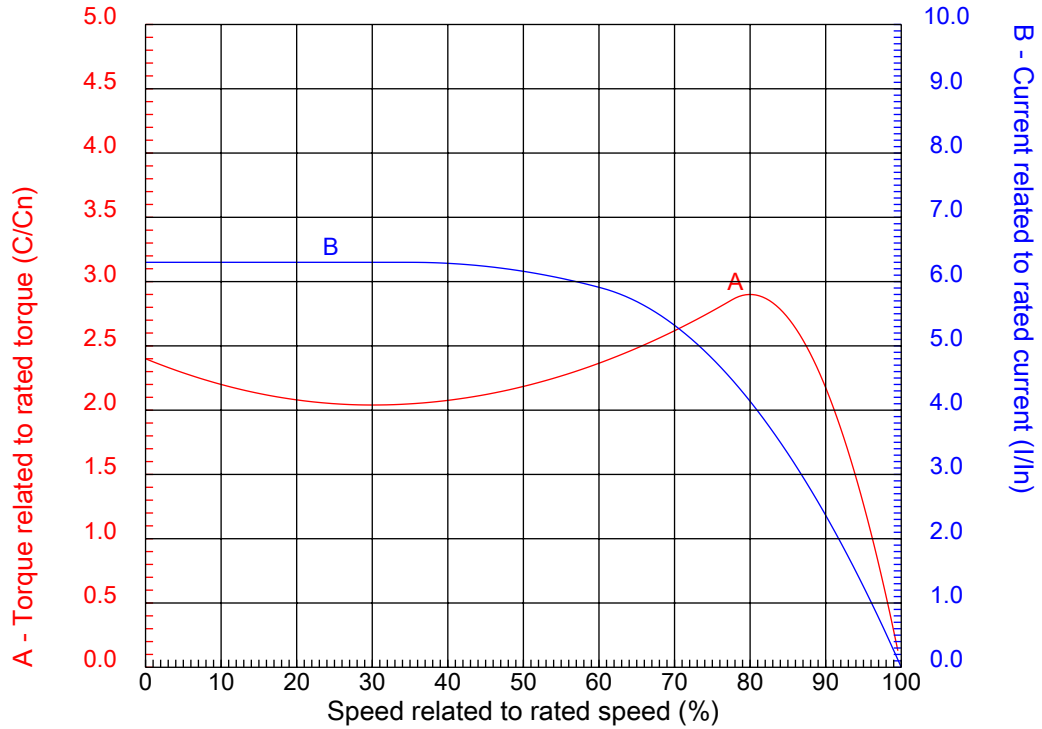
# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W01 (Rolled Steel) Close Coupled Pump ODP - JM Type

Frame	: 254/6JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1770 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 55.3-50.0/25.0 A	Breakdown torque	: 290 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

B

C

D

E

F



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2E 10.000	J 1.693	A 11.417	P 11.558	AB 9.448
2F 8.252/10.000	B 11.417	BA 4.750	D 6.250	G 0.187
O 12.010	T 0.019	H 0.530	AA 1.732"	ER 5.250
EQ 0.630	ET 3.006	U 1.249	EM 1.375	EL 1.750
EP 1.769	ES 2.559	t1 1.024	t2 1.496	C 21.969
CH 1.929	FC 12.992	Flange FC-184	AJ 7.250	AK 8.500
BD 11.084	BF UNC 1/2"x13	BB 0.250	AH 5.250	

Performed by:


Checked:

Customer:

W01 (Rolled Steel) Close Coupled Pump ODP - JM Type

Three-phase induction motor  
Frame 254/6JM - ODP

23-SEP-2016



1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

LOW VOLTAGE

HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Customer:

W01 (Rolled Steel) Close Coupled Pump ODP - JM Type

Three-phase induction motor  
Frame 254/6JM - IP21

23-SEP-2016

