



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

## TECHNICAL PROPOSAL

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

Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC -  
NEMA Premium Efficiency  
Catalog Number : 01012ET3E256JM-S  
List Price : \$2,979

#### Notes:

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Generated for Model #01012ET3E256JM-S

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# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC - NEMA Premium Efficiency

Frame : 254/6JM  
 Output : 10 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1175 rpm  
 Slip : 2.08 %  
 Voltage : 208-230/460 V  
 Rated current : 30.5-27.6/13.8 A  
 Locked rotor current : 149/74.5 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.4  
 No-load current : 14.2/7.12 A  
 Full load torque : 44.1 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 230 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 30 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 234 lb  
 Moment of inertia : 2.8317 sq.ft.lb  
 Noise level : 59 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6309 Z-C3	6208 Z-C3	100%	0.75	91.0
Regreasing interval	20000 h	20000 h	75%	0.69	91.0
Grease amount	13 g	8 g	50%	0.57	90.2

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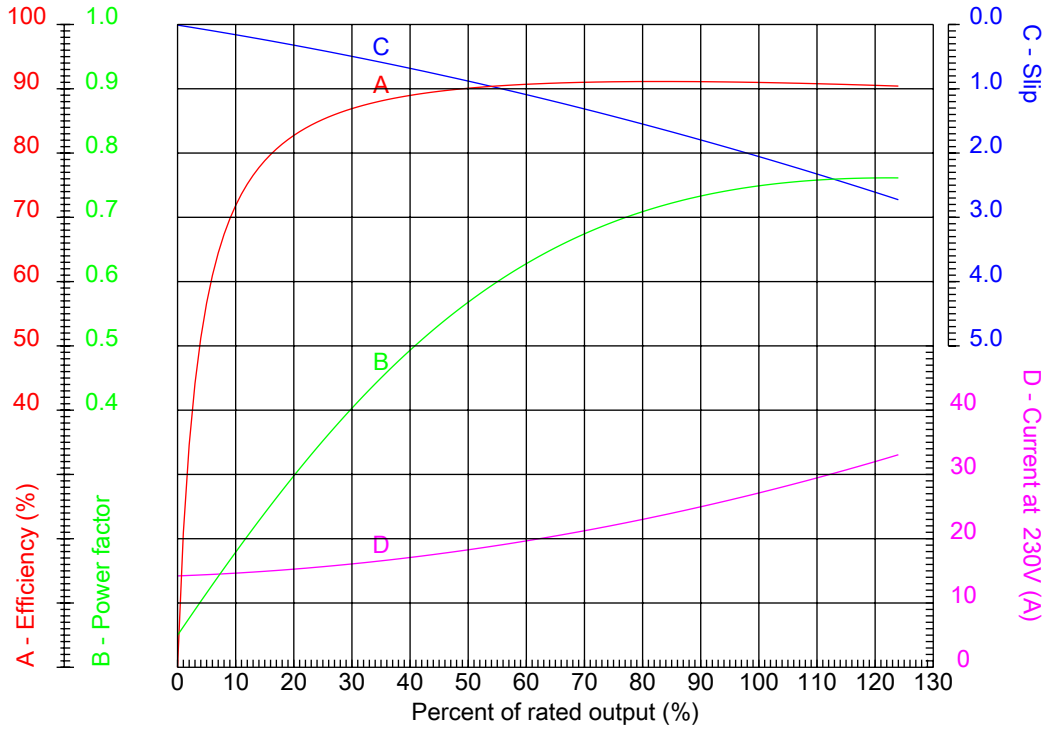
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC - NEMA Premium Efficiency

Frame	: 254/6JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 5.4
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1175 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 30.5-27.6/13.8 A	Breakdown torque	: 230 %
Insulation class	: F		

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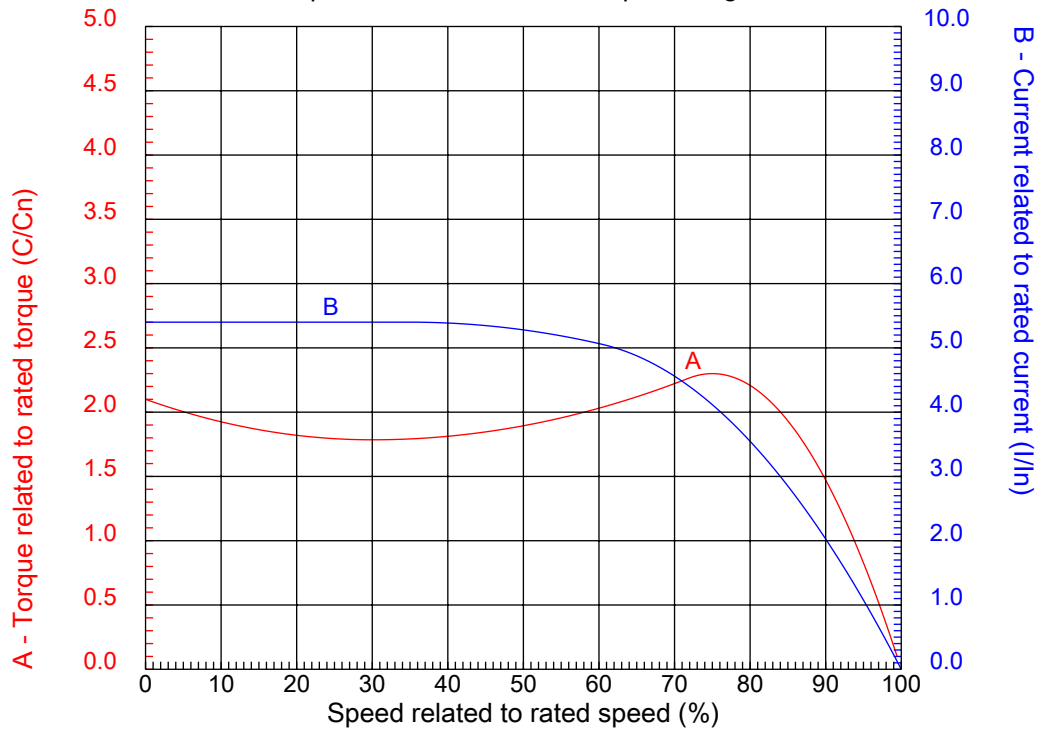
# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC - NEMA Premium Efficiency

Frame	: 254/6JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 5.4
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1175 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 30.5-27.6/13.8 A	Breakdown torque	: 230 %
Insulation class	: F		

Notes:  
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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 13.180	AB 9.448
2F 8.252/10.000	B 11.417	BA 4.750	D 6.250	G 0.187
O 12.010	T 0.830	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 24.843
CH 1.929	FC 13.780	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:	
Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC -	
Three-phase induction motor Frame 254/6JM - IP55	13-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:

Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC -

Three-phase induction motor  
Frame 254/6JM - IP55

13-SEP-2016

