



Dealers Industrial Equipment

No.:

Date: 12-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 - High Efficiency  
Catalog Number : 00218EP3H145JM-S  
List Price : \$560

Notes:

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Generated for Model #00218EP3H145JM-S

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Date: 12-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 - High Efficiency

Frame : 143/5JM  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1755 rpm  
 Slip : 2.50 %  
 Voltage : 575 V  
 Rated current : 2.36 A  
 Locked rotor current : 17.7 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.5  
 No-load current : 1.49 A  
 Full load torque : 5.90 lb.ft  
 Locked rotor torque : 260 %  
 Breakdown torque : 330 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 10 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 42 lb  
 Moment of inertia : 0.14191 sq.ft.lb  
 Noise level : 52 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6203 ZZ	100%	0.76	84.0
Regreasing interval	---	---	75%	0.67	84.0
Grease amount	---	---	50%	0.53	81.5

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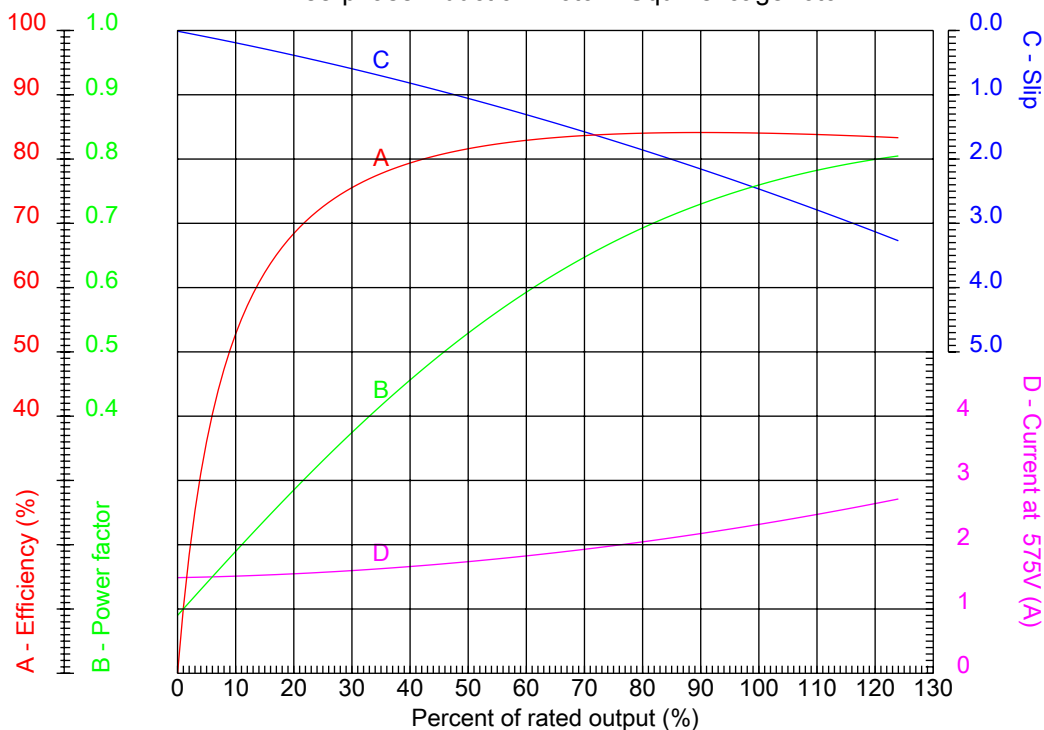
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 143/5JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 7.5
Output : 2 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 1755 rpm	Design : B
Voltage : 575 V	Locked rotor torque : 260 %
Rated current : 2.36 A	Breakdown torque : 330 %
Insulation class : F	

Notes:  
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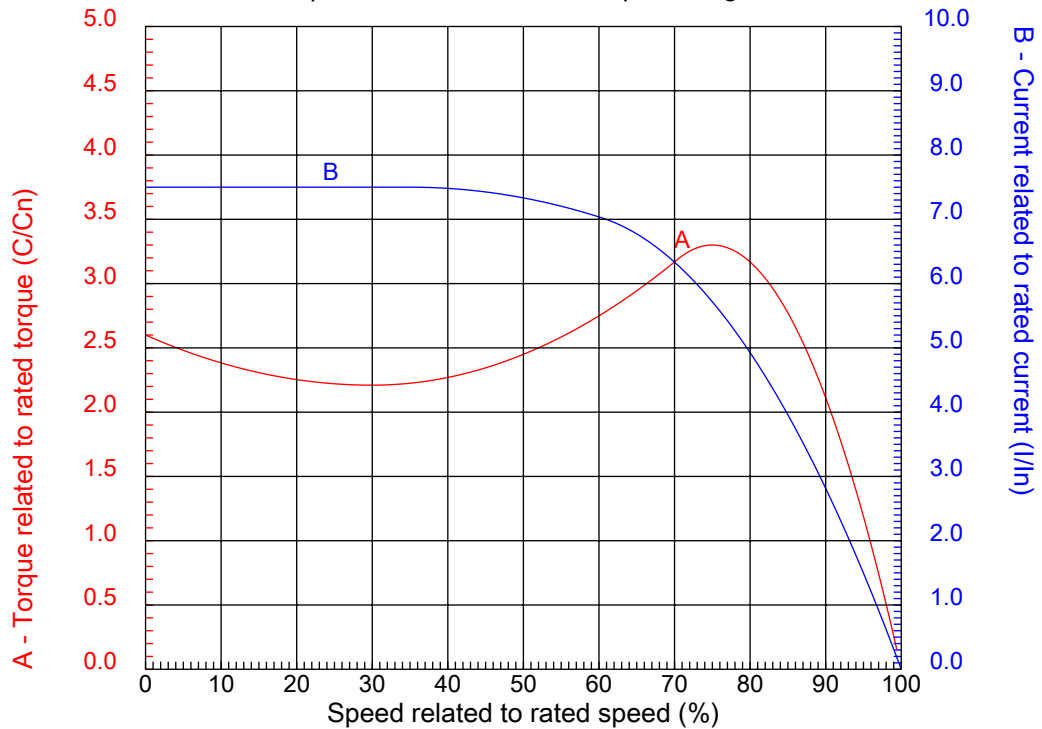
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Date: 12-SEP-2016

## 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 - High Efficiency

Frame	: 143/5JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.5
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1755 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 260 %
Rated current	: 2.36 A	Breakdown torque	: 330 %
Insulation class	: F		

Notes:  
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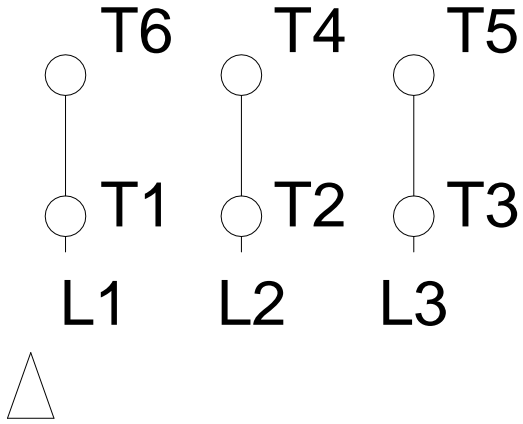


1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

### RUN

### ONLY FOR START



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Checked:		
Customer:		
Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC -		
Three-phase induction motor Frame 143/5JM - IP55	12-SEP-2016	