



# 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 - ODP - High Efficiency  
Catalog Number : 00318OP3E182JM-S  
List Price : \$557

#### Notes:

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Generated for Model #00318OP3E182JM-S

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Checked:



# Dealers Industrial Equipment

No.:

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 - ODP - High Efficiency

Frame : 182/4JM  
 Output : 3 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1765 rpm  
 Slip : 1.94 %  
 Voltage : 208-230/460 V  
 Rated current : 8.93-8.08/4.04 A  
 Locked rotor current : 54.9/27.5 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.8  
 No-load current : 4.49/2.25 A  
 Full load torque : 8.81 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 290 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : ---  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 51 lb  
 Moment of inertia : 0.21642 sq.ft.lb  
 Noise level : 55 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6207 ZZ	6205 ZZ	100%	0.79	86.5
Regreasing interval	---	---	75%	0.72	86.5
Grease amount	---	---	50%	0.59	85.5

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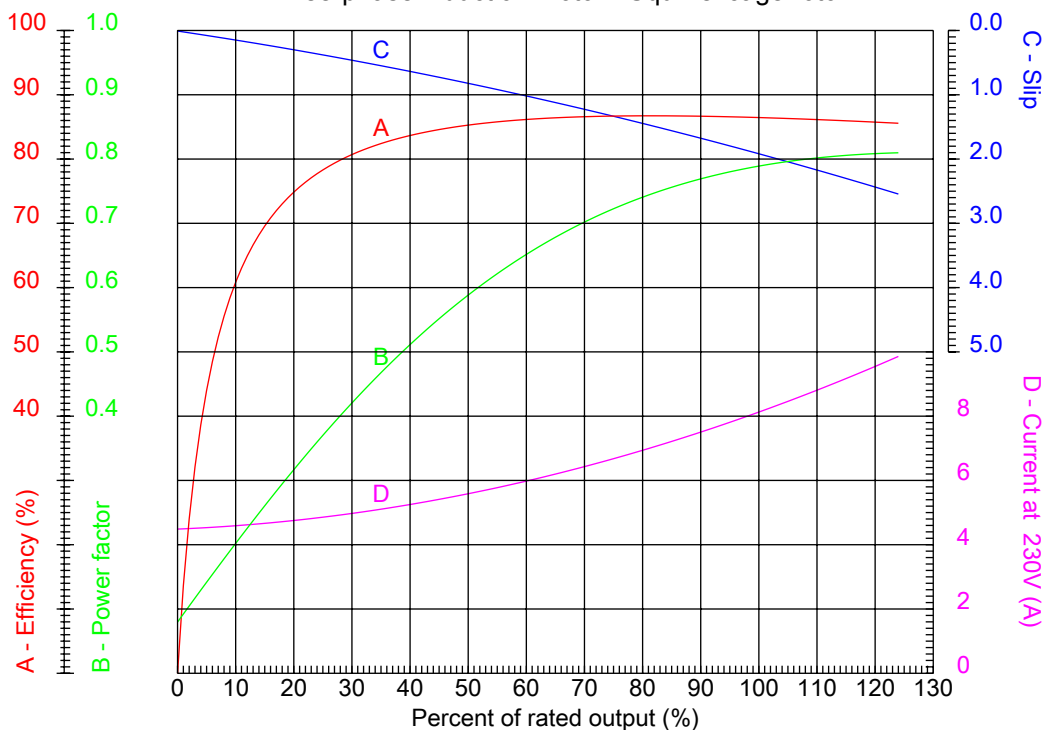
# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

## 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 - ODP - High Efficiency

Frame	: 182/4JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.8
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1765 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 8.93-8.08/4.04 A	Breakdown torque	: 290 %
Insulation class	: F		

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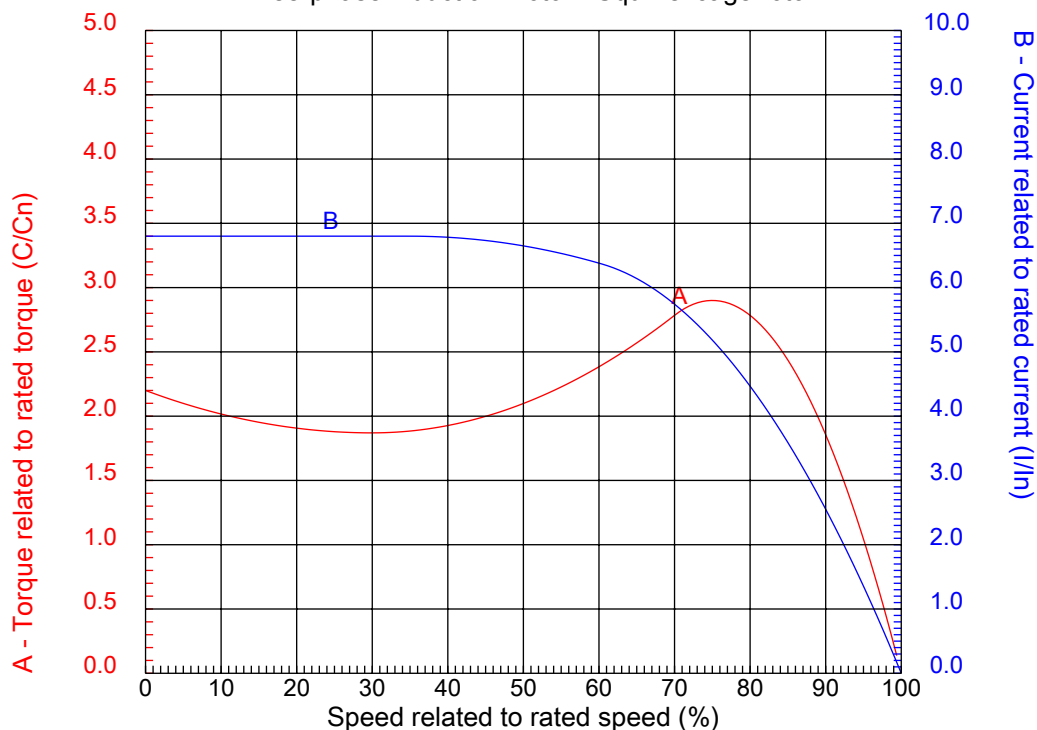
# Dealers Industrial Equipment

No.:

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 - ODP - High Efficiency

Frame	: 182/4JM	Locked rotor current (I/I <sub>n</sub> )	: 6.8
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1765 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 8.93-8.08/4.04 A	Breakdown torque	: 290 %
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 7.500	J 1.299	A 8.661	P 8.114	AB 6.696
2F 4.500/5.500	B 6.299	BA 3.500	D 4.500	G 0.167
O 8.557	H 0.406	AA 1.118"	ER 4.258	EQ 0.630
ET 2.880	U 0.8745	EM 1.000	EL 1.250	EP 1.376
ES 1.653	t1 0.748	t2 1.102	C 15.472	CH 1.377
FC 7.874	Flange FC-149	AJ 5.874	AK 4.500	BD 6.496
BF UNC 3/8"x16	BB 0.138	AH 4.258		

Performed by:	
Checked:	
Customer:	
Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - ODP - High	
Three-phase induction motor Frame 182/4JM - ODP	12-SEP-2016



1 2 3 4 5 6 7 8

# LOW VOLTAGE

# HIGH VOLTAGE

A  
B  
C  
D  
E  
F



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Performed by:		
Checked:		
Customer:		
Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - ODP - High		
Three-phase induction motor Frame 182/4JM - IP21	12-SEP-2016	