



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 - "JM" Type - ODP - High Efficiency

Catalog Number : 00336OP3E145JM

List Price : \$565

Notes:

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Generated for Model #00336OP3E145JM

Performed by:

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No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - High Efficiency

Frame : F143/5JM  
 Output : 3 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3400 rpm  
 Slip : 5.56 %  
 Voltage : 230/460 V  
 Rated current : 7.30/3.65 A  
 Locked rotor current : 62.1/31.0 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.5  
 No-load current : 2.40/1.20 A  
 Full load torque : 4.57 lb.ft  
 Locked rotor torque : 400 %  
 Breakdown torque : 300 %  
 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 : IP21  
 Approximate weight : 46 lb  
 Moment of inertia : 0.07119 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6206 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.92	85.5
75%	0.88	84.0
50%	0.80	81.5

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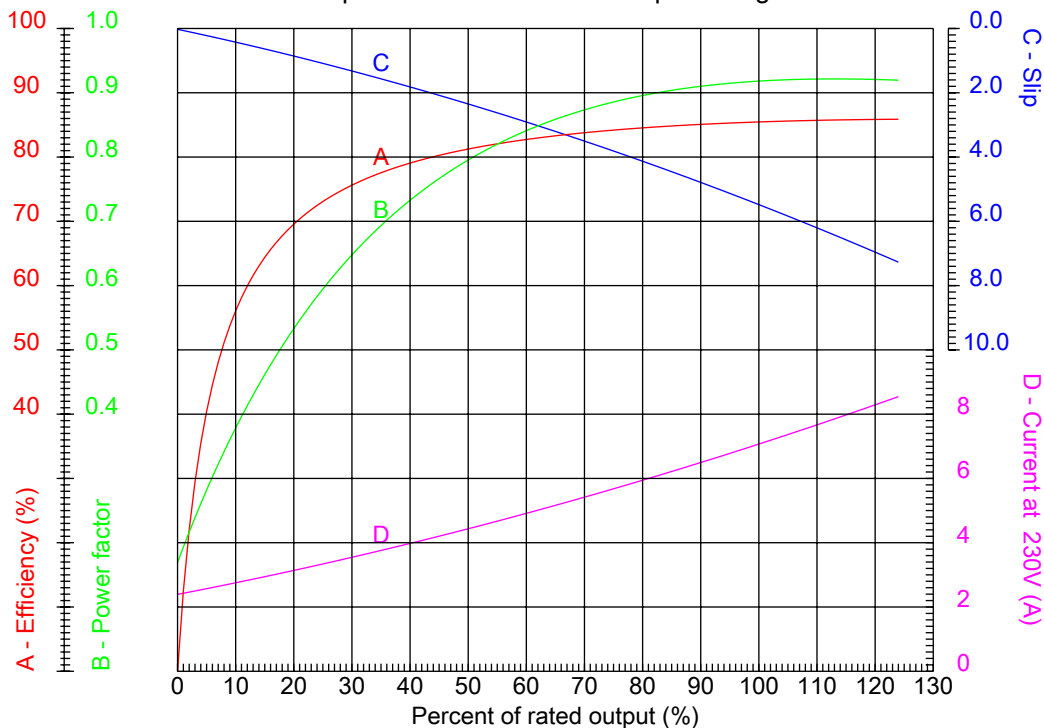
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Date: 12-SEP-2016

## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - High Efficiency

Frame	: F143/5JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 8.5
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3400 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 400 %
Rated current	: 7.30/3.65 A	Breakdown torque	: 300 %
Insulation class	: F		

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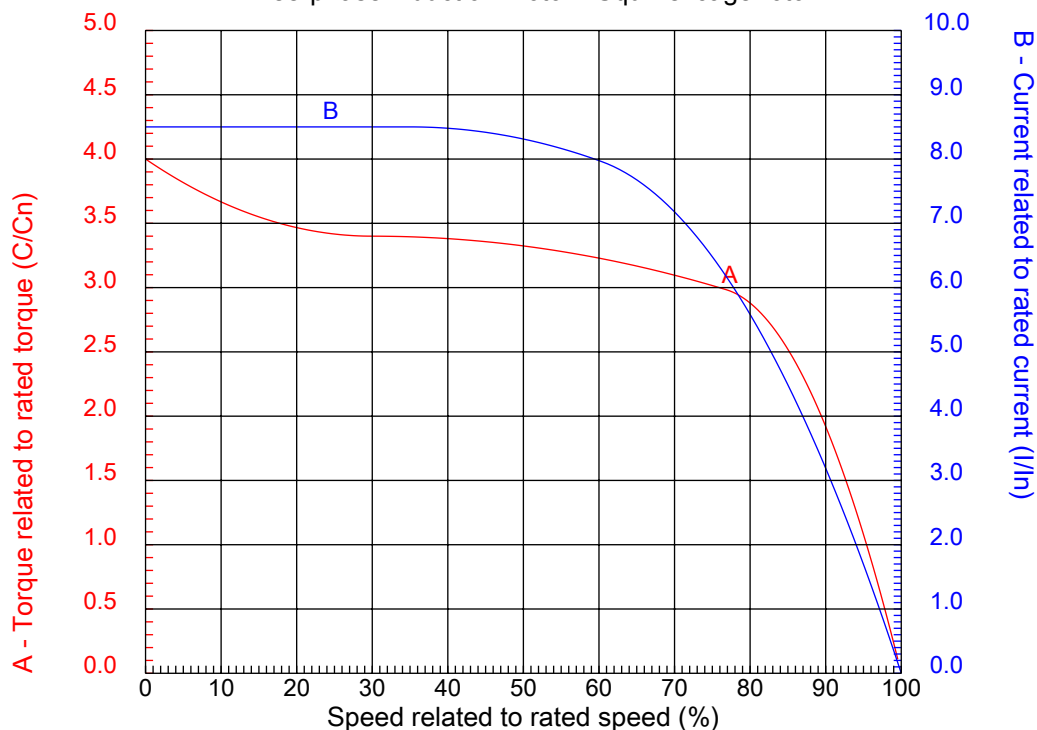
# Dealers Industrial Equipment

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 - "JM" Type - ODP - High Efficiency

Frame	: F143/5JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 8.5
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3400 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 400 %
Rated current	: 7.30/3.65 A	Breakdown torque	: 300 %
Insulation class	: F		

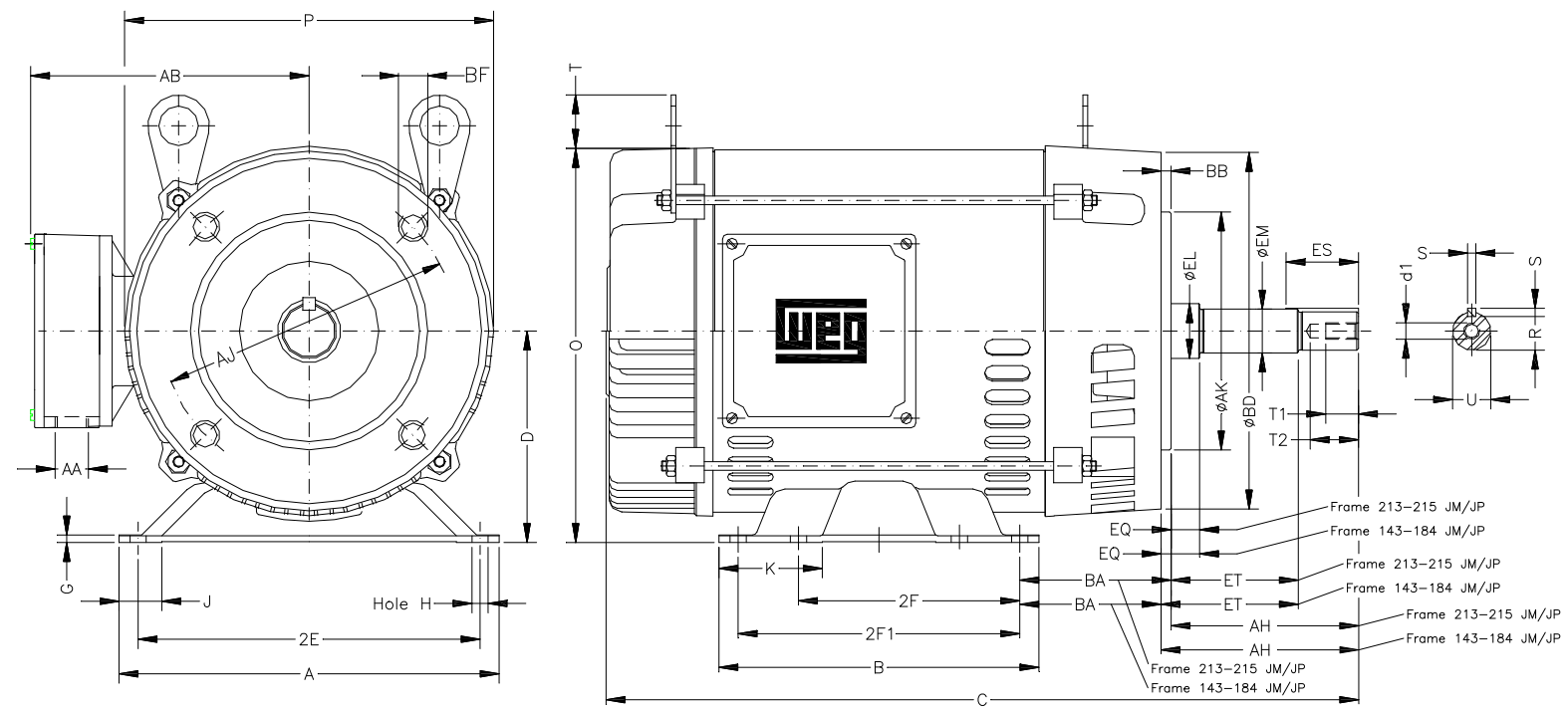
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1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F



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2E 5.500	A 6.535	2F 4.000	B 6.496	J 1.732
BA 2.250	D 3.500	G 0.120	O 6.772	P 6.535
AB 5.433	H 0.342	AA NPT 1/2"	EQ 0.630	ET 2.880
U 0.874	EM 1.000	EL 1.156	S 0.187	R 0.768
ES 1.654	d1 DUNC 3/8"-16	t1 0.748	t2 0.984	C 14.842
Flange FC-149	AJ 5.874	AK 4.500	BD 6.535	BF UNC 3/8"x16
BB 0.157	AH 108.15			

Performed by:  
Checked:  
Customer:  
Close Coupled Pump : Three-Phase - "JM" Type - ODP - High Efficiency  
Three-phase induction motor  
Frame F143/5JM - IP21  
12-SEP-2016  


1 2 3 4 5 6 7 8

A

### LOW VOLTAGE

### HIGH VOLTAGE

B



C



D

E

F

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Customer:

Close Coupled Pump : Three-Phase - "JM" Type - ODP - High Efficiency

Three-phase induction motor  
 Frame F143/5JM - IP21

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