



# 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 : 00512ET3E215JM-S  
List Price : \$1,769

#### Notes:

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Generated for Model #00512ET3E215JM-S

Performed by:

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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 : 213/5JM  
 Output : 5 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1175 rpm  
 Slip : 2.08 %  
 Voltage : 208-230/460 V  
 Rated current : 14.9-13.5/6.74 A  
 Locked rotor current : 80.9/40.4 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.0  
 No-load current : 6.84/3.42 A  
 Full load torque : 22.0 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 250 %  
 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 : 144 lb  
 Moment of inertia : 1.2608 sq.ft.lb  
 Noise level : 55 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6209 ZZ	6206 ZZ	100%	0.77	89.5
Regreasing interval	---	---	75%	0.71	88.5
Grease amount	---	---	50%	0.59	87.5

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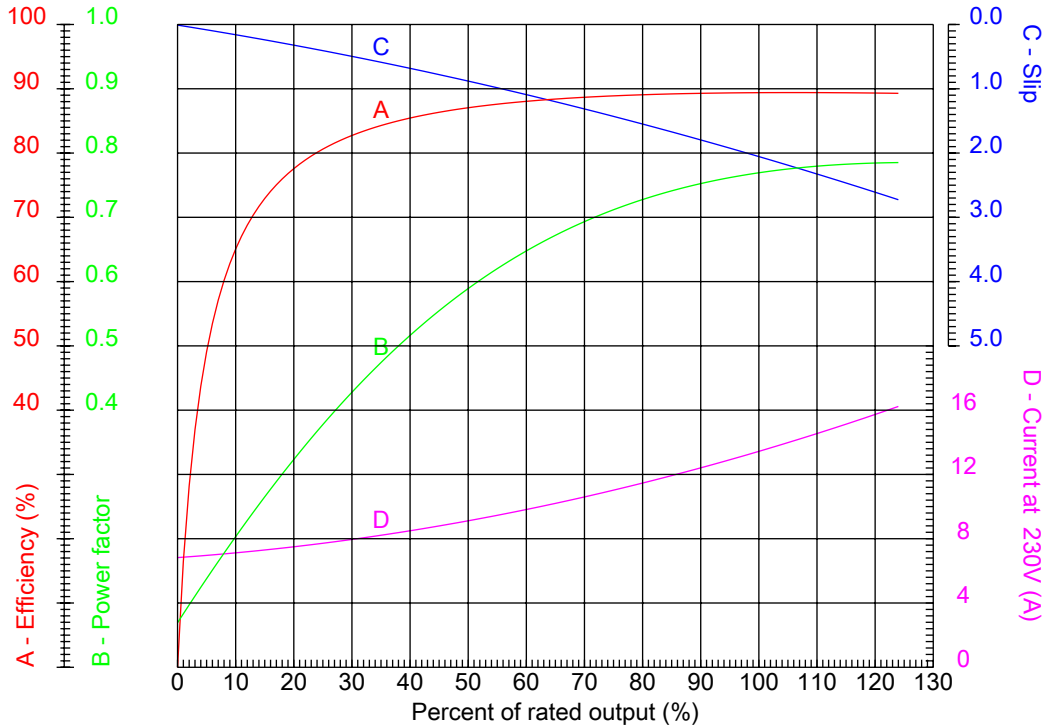
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 213/5JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.0
Output	: 5 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	: 220 %
Rated current	: 14.9-13.5/6.74 A	Breakdown torque	: 250 %
Insulation class	: F		

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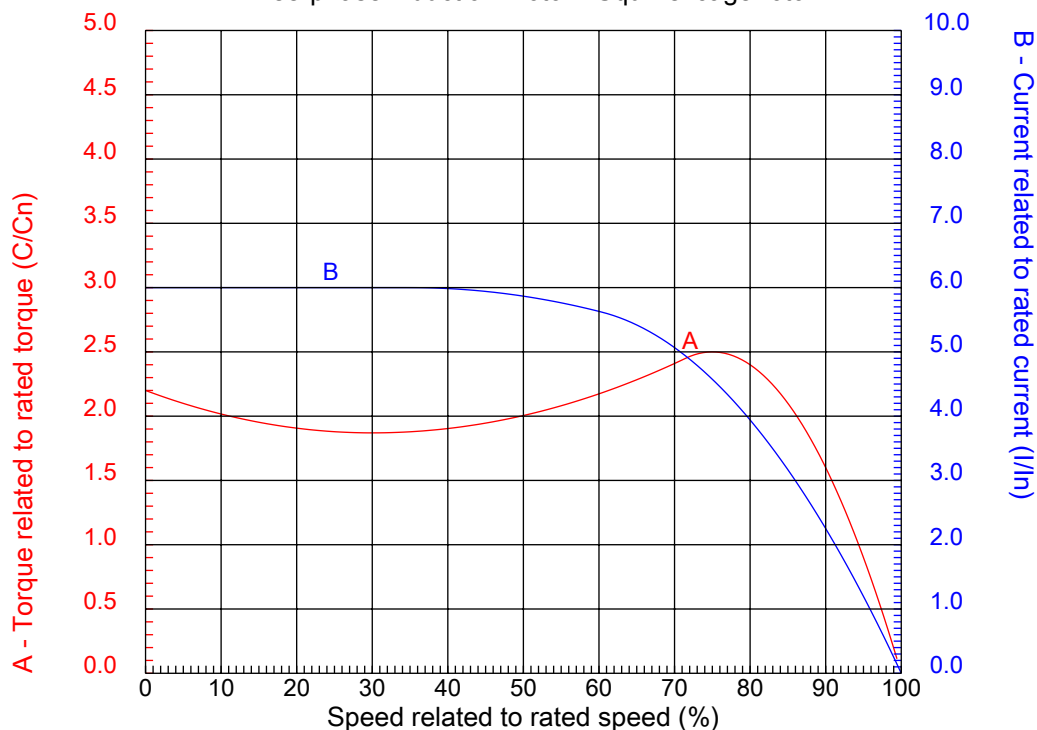
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## CHARACTERISTIC CURVES RELATED TO SPEED

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	: 213/5JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.0
Output	: 5 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	: 220 %
Rated current	: 14.9-13.5/6.74 A	Breakdown torque	: 250 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

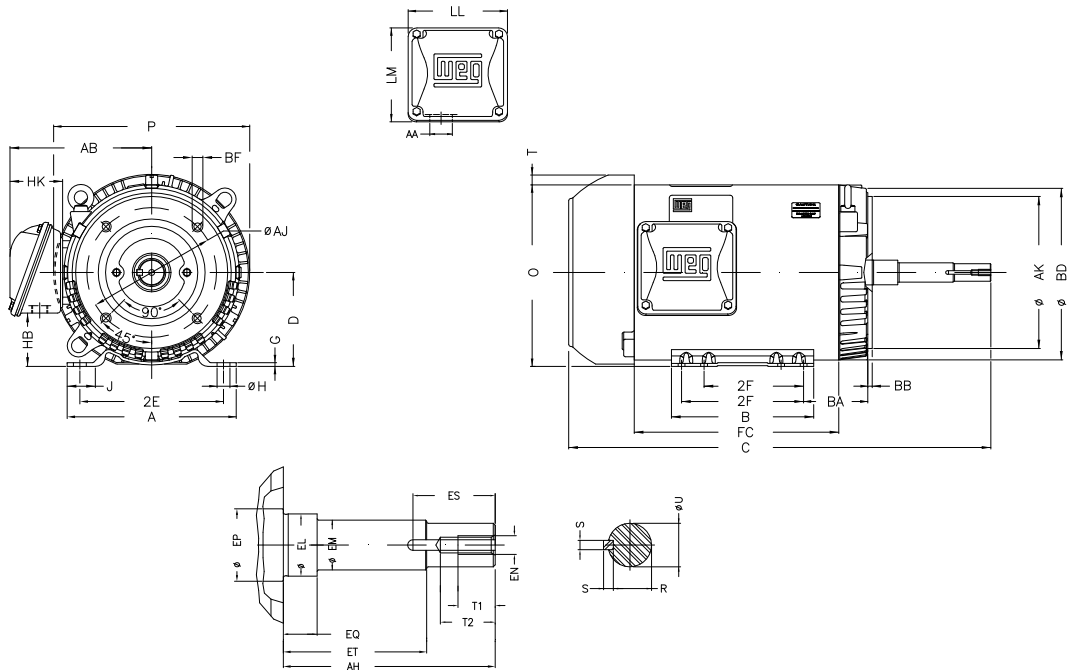
B

C

D

E

F



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2E 8.500	J 1.575	A 9.449	P 10.965	AB 7.973
2F 5.500/7.000	B 7.953	BA 4.250	D 5.250	G 0.167
O 10.144	T 0.761	H 0.406	AA 1.377"	ER 4.258
EQ 0.630	ET 2.880	U 0.8745	EM 1.000	EL 1.250
EP 1.769	ES 1.575	t1 0.748	t2 1.102	C 21.220
CH 1.929	FC 11.417	Flange FC-184	AJ 7.250	AK 8.500
BD 9.401	BF UNC 1/2"x13	BB 0.250	AH 4.258	

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Customer:

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

Three-phase induction motor  
Frame 213/5JM - IP55

13-SEP-2016



1 2 3 4 5 6 7 8

# LOW VOLTAGE

# HIGH VOLTAGE

A  
B  
C  
D  
E  
F



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Three-phase induction motor  
 Frame 213/5JM - IP55

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