



Dealers Industrial Equipment

No.:

Date: 23-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 : 01536EP3E215JM-S
List Price : \$1,803

Notes:

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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 : 213/5JM
 Output : 15 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3520 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 38.0-34.4/17.2 A
 Locked rotor current : 282/141 A
 Locked rotor current (I_L/I_n) : 8.2
 No-load current : 12.4/6.22 A
 Full load torque : 22.1 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 330 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 11 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 154 lb
 Moment of inertia : 0.63407 sq.ft.lb
 Noise level : 70 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6209 ZZ	6206 ZZ	100%	0.89	90.2
Regreasing interval	---	---	75%	0.85	91.0
Grease amount	---	---	50%	0.76	90.2

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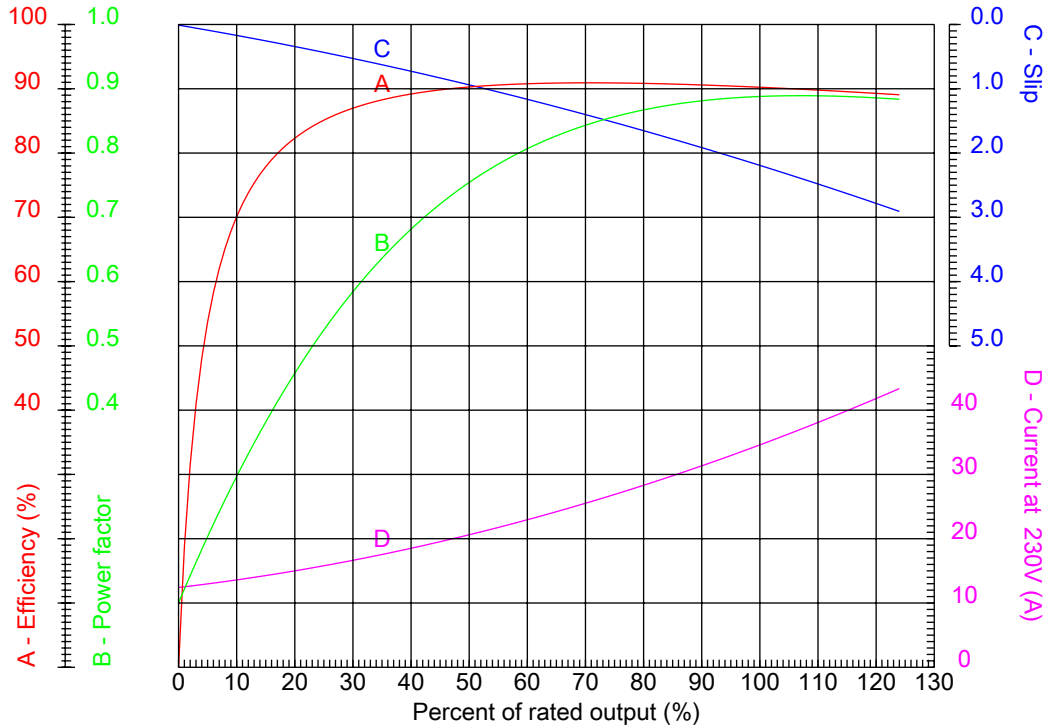
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 213/5JM	Locked rotor current (I _l /I _n)	: 8.2
Output	: 15 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3520 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 38.0-34.4/17.2 A	Breakdown torque	: 330 %
Insulation class	: F		

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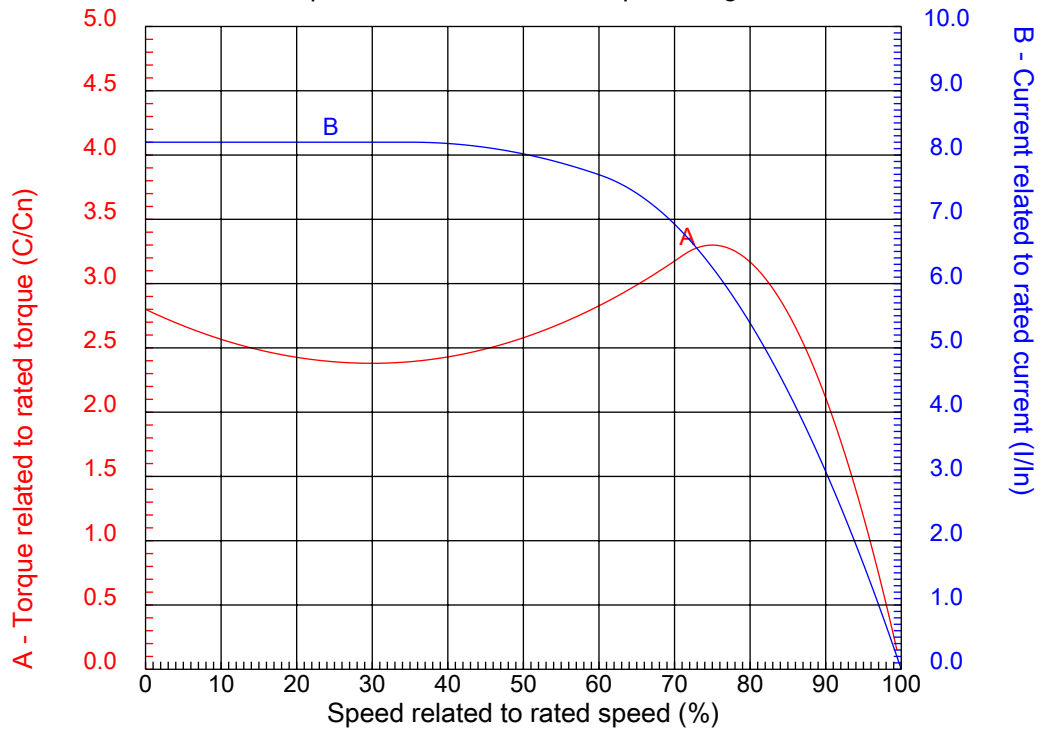
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 213/5JM	Locked rotor current (I _l /I _n)	: 8.2
Output	: 15 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3520 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 38.0-34.4/17.2 A	Breakdown torque	: 330 %
Insulation class	: F		

Notes:
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1 2 3 4 5 6 7 8

A

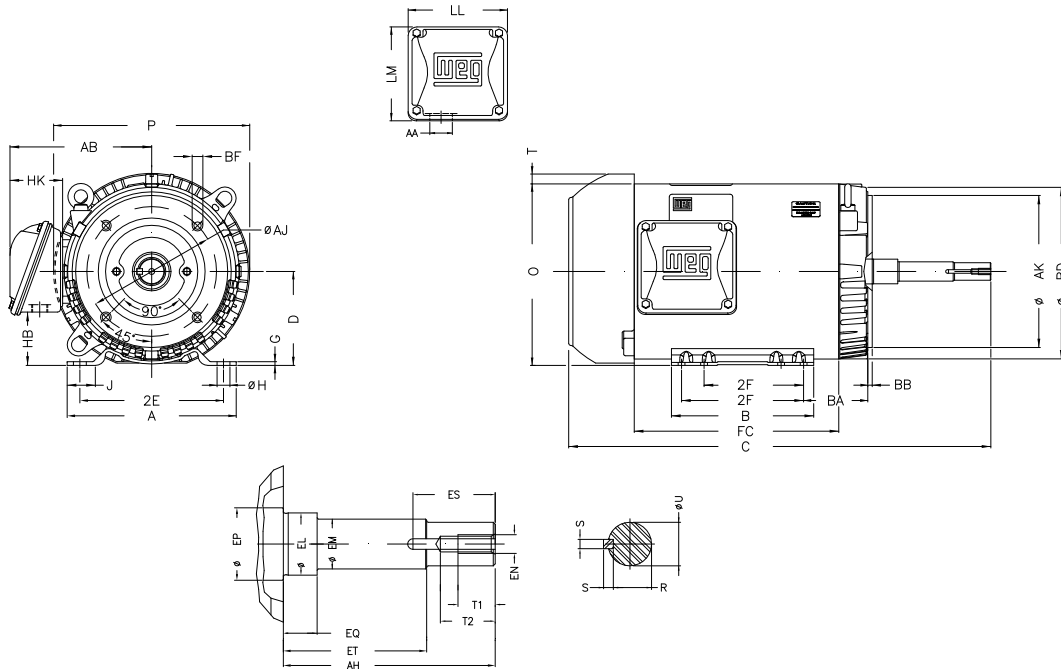
B

C

D

E

F



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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 22.795
CH 1.929	FC 12.992	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

23-SEP-2016



1 2 3 4 5 6 7 8

LOW VOLTAGE

HIGH VOLTAGE

A
B
C
D
E
F



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Checked:		
Customer:		
Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC -		
Three-phase induction motor Frame 213/5JM - IP55	23-SEP-2016	