



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 - High Efficiency
Catalog Number : 01036EP3H215JM-S
List Price : \$1,581

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 : 10 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3520 rpm
 Slip : 2.22 %
 Voltage : 575 V
 Rated current : 9.44 A
 Locked rotor current : 63.2 A
 Locked rotor current (I_L/I_n) : 6.7
 No-load current : 3.71 A
 Full load torque : 14.7 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 280 %
 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 : 133 lb
 Moment of inertia : 0.54959 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	89.5
Regreasing interval	---	---	75%	0.84	89.5
Grease amount	---	---	50%	0.75	88.5

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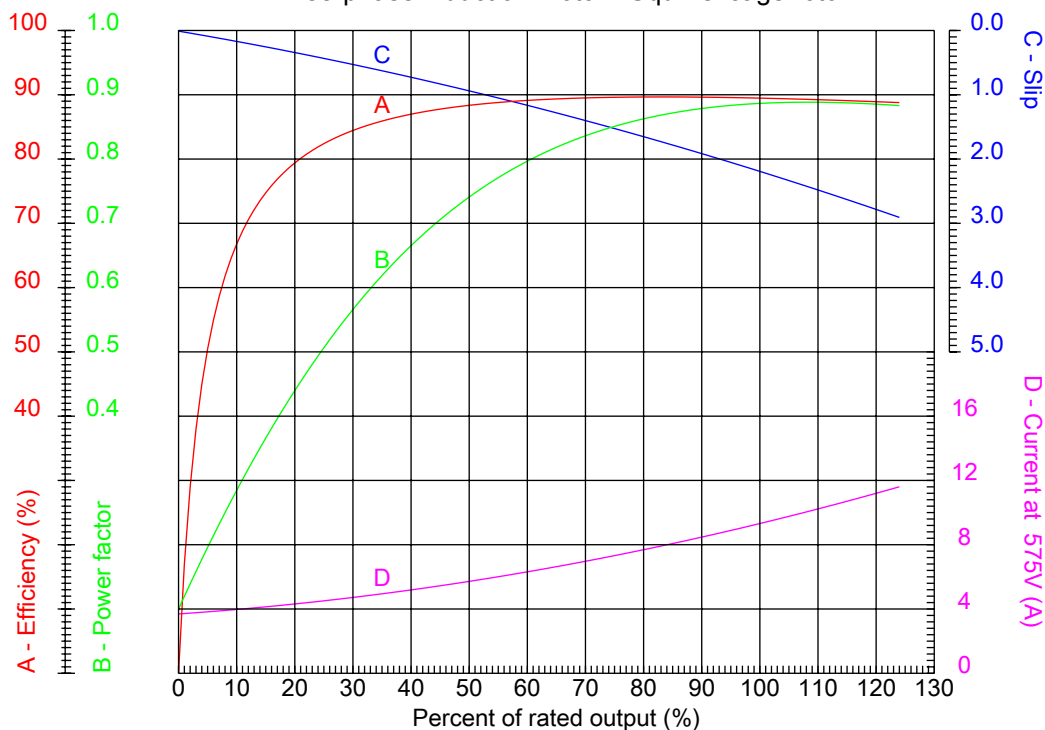
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 213/5JM	Locked rotor current (I _l /I _n)	: 6.7
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3520 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 220 %
Rated current	: 9.44 A	Breakdown torque	: 280 %
Insulation class	: F		

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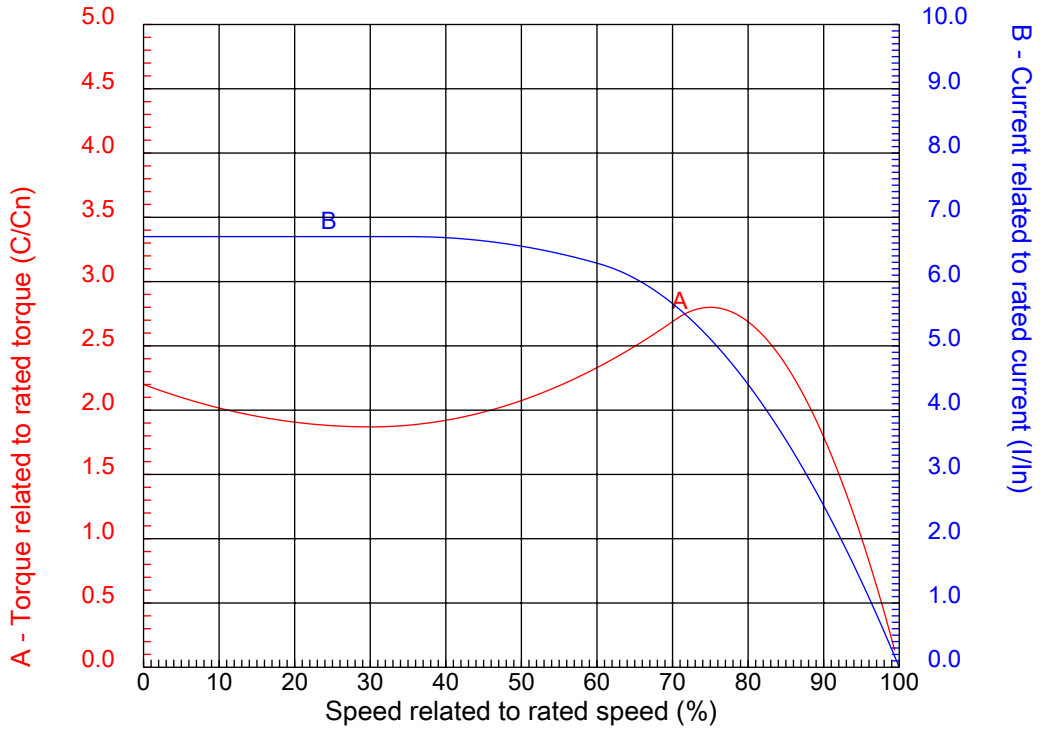
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CHARACTERISTIC CURVES RELATED TO SPEED

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)	:	6.7
Output	:	10 HP	Duty cycle	:	S1
Frequency	:	60 Hz	Service factor	:	1.15
Full load speed	:	3520 rpm	Design	:	B
Voltage	:	575 V	Locked rotor torque	:	220 %
Rated current	:	9.44 A	Breakdown torque	:	280 %
Insulation class	:	F			

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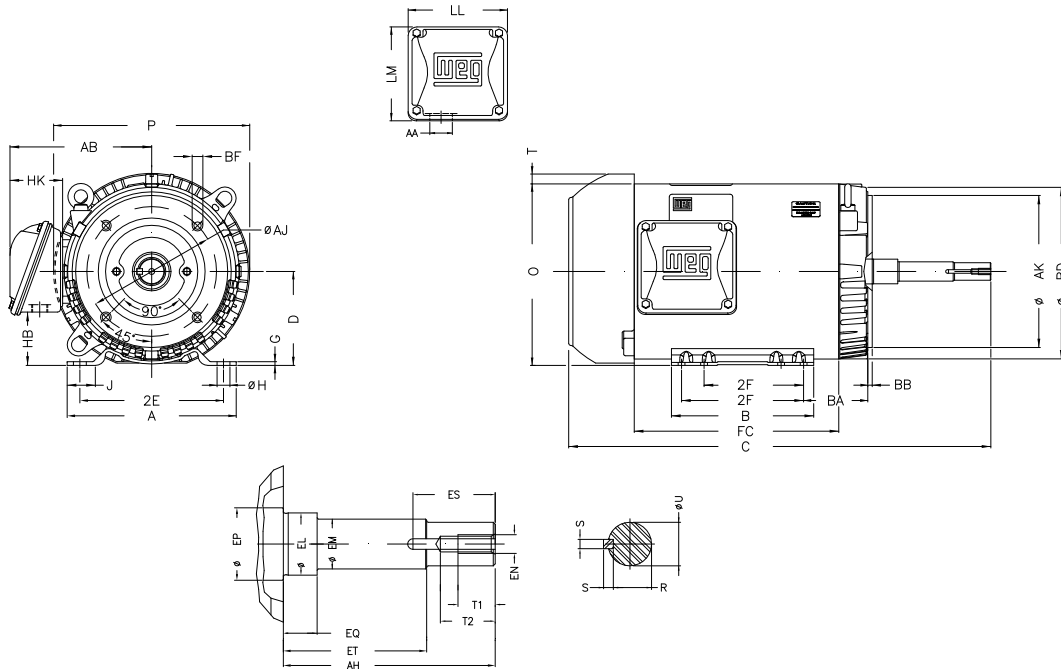
B

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

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

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

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