



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Catalog Number : 00736ET3E213JM-SG

List Price : \$1,645

Notes:

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Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Frame : 213/5JM
Output : 7.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3530 rpm
Slip : 1.94 %
Voltage : 208-230/460 V
Rated current : 19.2-17.3/8.67 A
Locked rotor current : 132/65.9 A
Locked rotor current (I_L/I_n) : 7.6
No-load current : 6.63/3.32 A
Full load torque : 11.0 lb.ft
Locked rotor torque : 260 %
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 : IP55
Approximate weight : 133 lb
Moment of inertia : 0.54959 sq.ft.lb
Noise level : 70 dB(A)

	D.E.	N.D.E.
Bearings	6209 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.89	89.5
75%	0.85	88.5
50%	0.76	87.5

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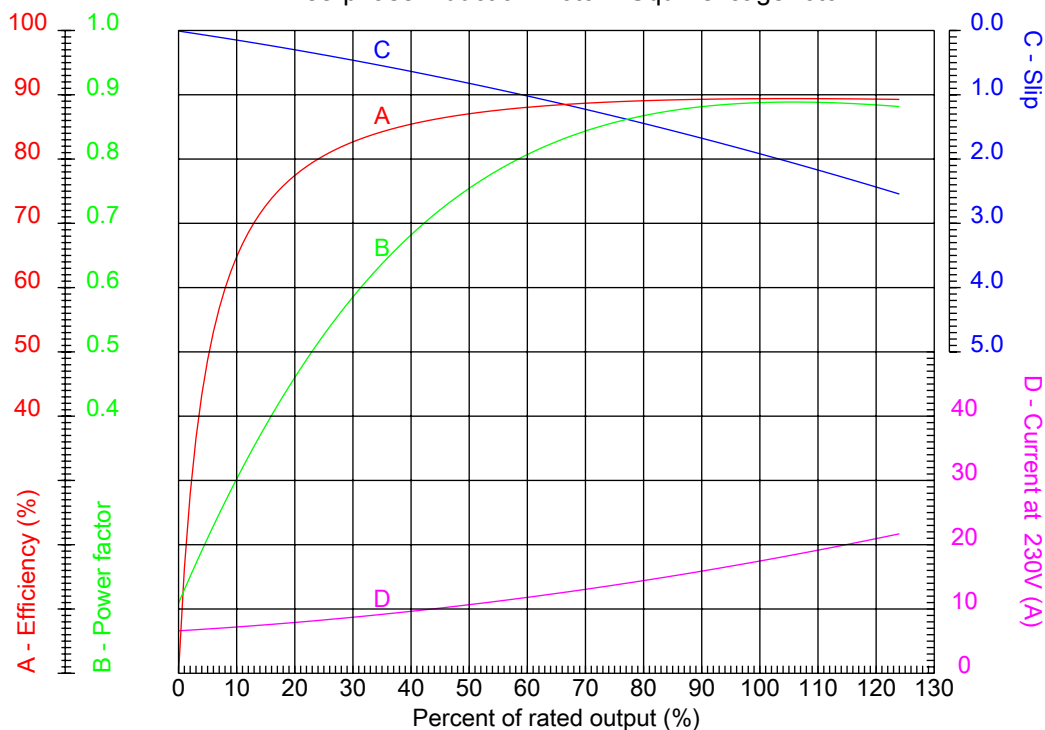
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Frame	: 213/5JM	Locked rotor current (I _l /I _n)	: 7.6
Output	: 7.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3530 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 260 %
Rated current	: 19.2-17.3/8.67 A	Breakdown torque	: 300 %
Insulation class	: F		

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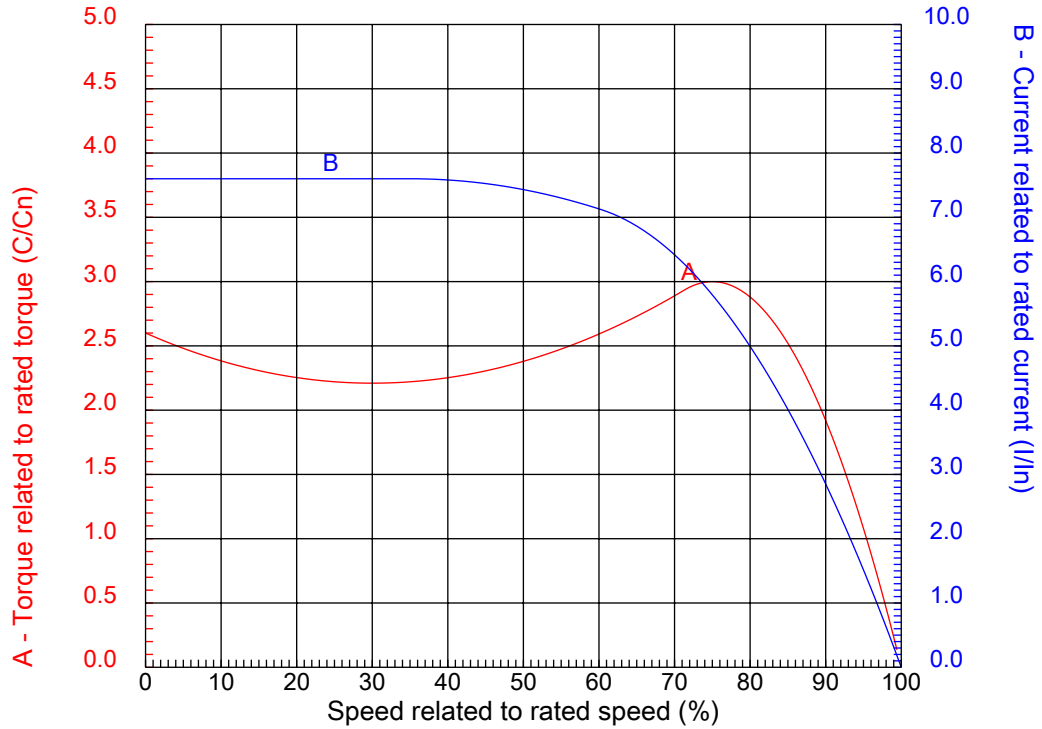
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Frame	: 213/5JM	Locked rotor current (I _l /I _n)	: 7.6
Output	: 7.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3530 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 260 %
Rated current	: 19.2-17.3/8.67 A	Breakdown torque	: 300 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

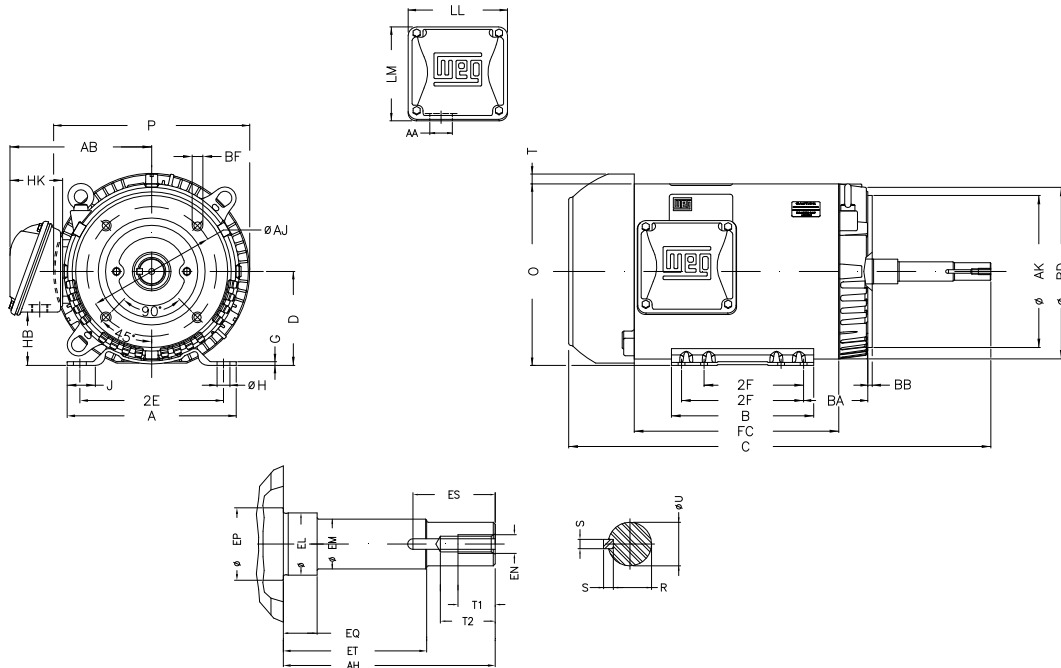
B

C

D

E

F



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2E 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	

Performed by:	
Checked:	
Customer:	W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type
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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Customer:

W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

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

13-SEP-2016

