



No.:

Date: 27-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Catalog Number : 01036ET3H215JM-W22

List Price : \$1,769

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Frame : 215JM
Output : 10 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3515
Slip : 2.36 %
Voltage : 575 V
Rated current : 9.28 A
Locked rotor current : 66.8 A
Locked rotor current (I_L/I_n) : 7.2
No-load current : 2.96 A
Full load torque : 14.7 lb.ft
Locked rotor torque : 210 %
Breakdown torque : 290 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 24 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 163 lb
Moment of inertia : 0.63620 sq.ft.lb
Noise level : 72 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6309 Z-C3	6207 ZZ	100%	0.90	90.2
Regreasing interval	19000 h	---	75%	0.87	90.2
Grease amount	13 g	---	50%	0.79	89.5

Notes:

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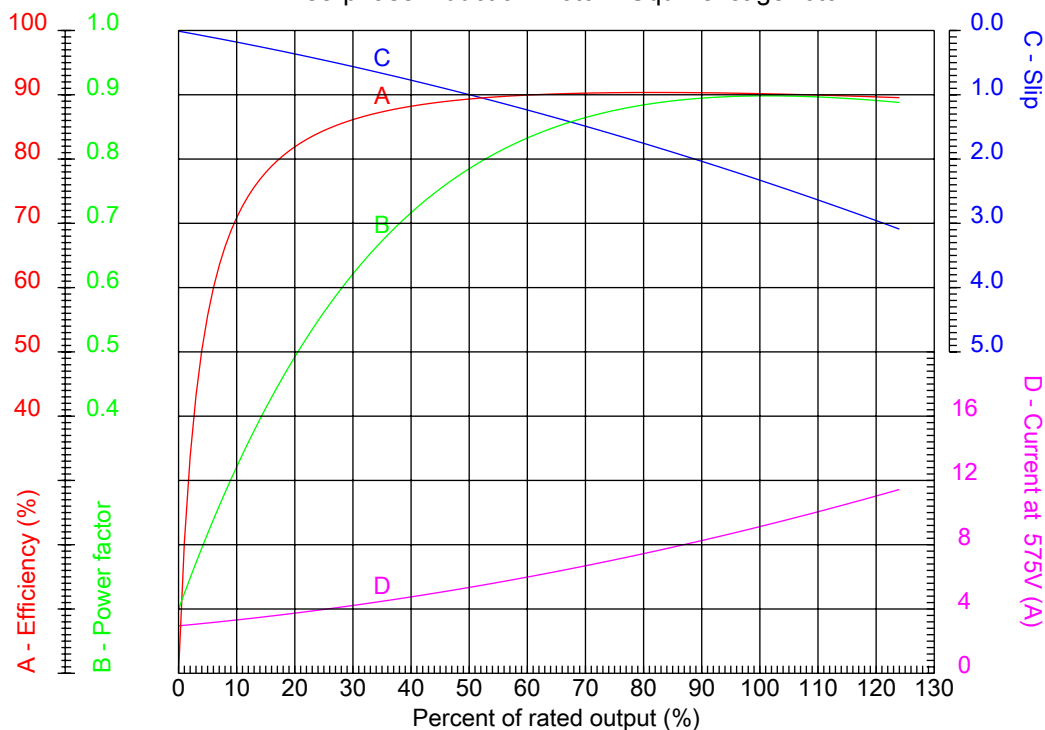
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PERFORMANCE CURVES RELATED TO RATED OUTPUT Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Frame : 215JM	Locked rotor current (I _l /I _n) : 7.2
Output : 10 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25
Full load speed : 3515	Design : B
Voltage : 575 V	Locked rotor torque : 210 %
Rated current : 9.28 A	Breakdown torque : 290 %
Insulation class : F	

Notes:

Performed by

Checked

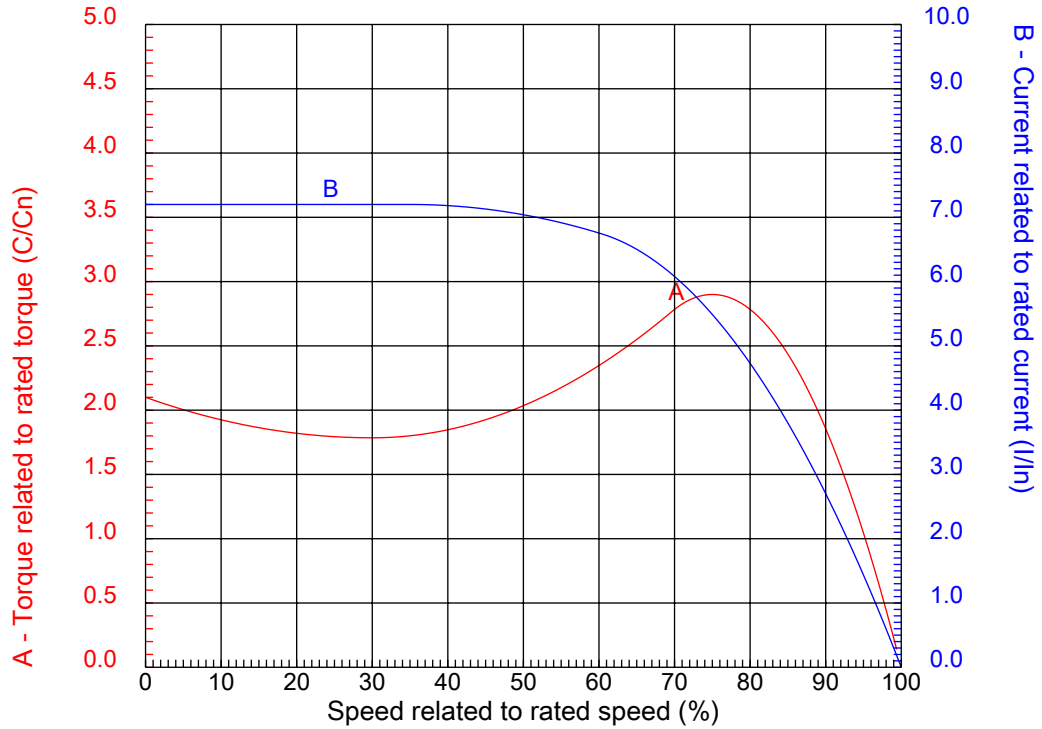


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



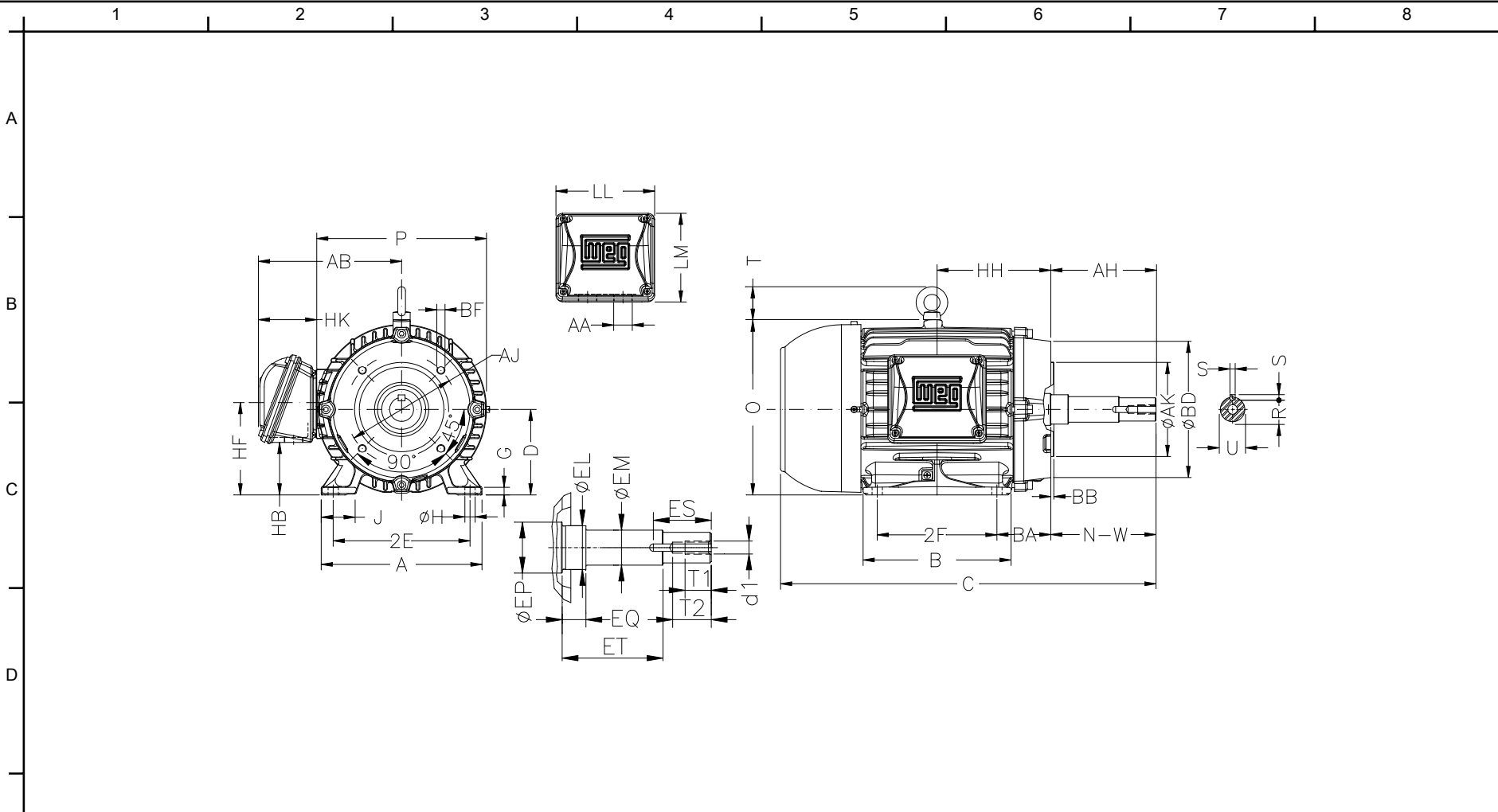
Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Frame	: 215JM	Locked rotor current (I _l /I _n)	: 7.2
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3515	Design	: B
Voltage	: 575 V	Locked rotor torque	: 210 %
Rated current	: 9.28 A	Breakdown torque	: 290 %
Insulation class	: F		

Notes:

Performed by

Checked



Notes:

2E 8.500	J 1.789	A 9.764	P 10.236	AB 8.583
2F 7.000	K 2.165	B 8.858	BA 3.500	D 5.250
G 0.646	O 10.841	T 1.772	HD 12.613	H 0.410
AA NPT 1"	ER 4.258	EQ 0.630	ET 2.880	U 0.874
EM 1.000	EL 1.250	EP 1.770	ES 1.654	t1 0.748
t2 1.102	C 20.174	Flange FC-184	AJ 7.252	AK 8.500
BD 8.858	BF UNC 1/2"x13	BB 0.248	BC ---	AH 4.258

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Customer:

Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Three-phase induction motor
Frame 215JM - IP55

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