



No.:

Date: 27-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

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

Catalog Number : 00718OT3E213JM

List Price : \$1,119

Notes:

Performed by:

Checked:



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Date: 27-DEC-2012

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : 213/5JM
Output : 7.5 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1760
Slip : 2.22 %
Voltage : 208-230/460 V
Rated current : 20.0-18.1/9.03 A
Locked rotor current : 135/67.7 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 9.00/4.50 A
Full load torque : 22.1 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 270 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP21
Approximate weight : 77 lb
Moment of inertia : 0.91977 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6209 ZZ	6206 ZZ	100%	0.84	91.0
Regreasing interval	---	---	75%	0.79	90.2
Grease amount	---	---	50%	0.68	89.0

Notes:

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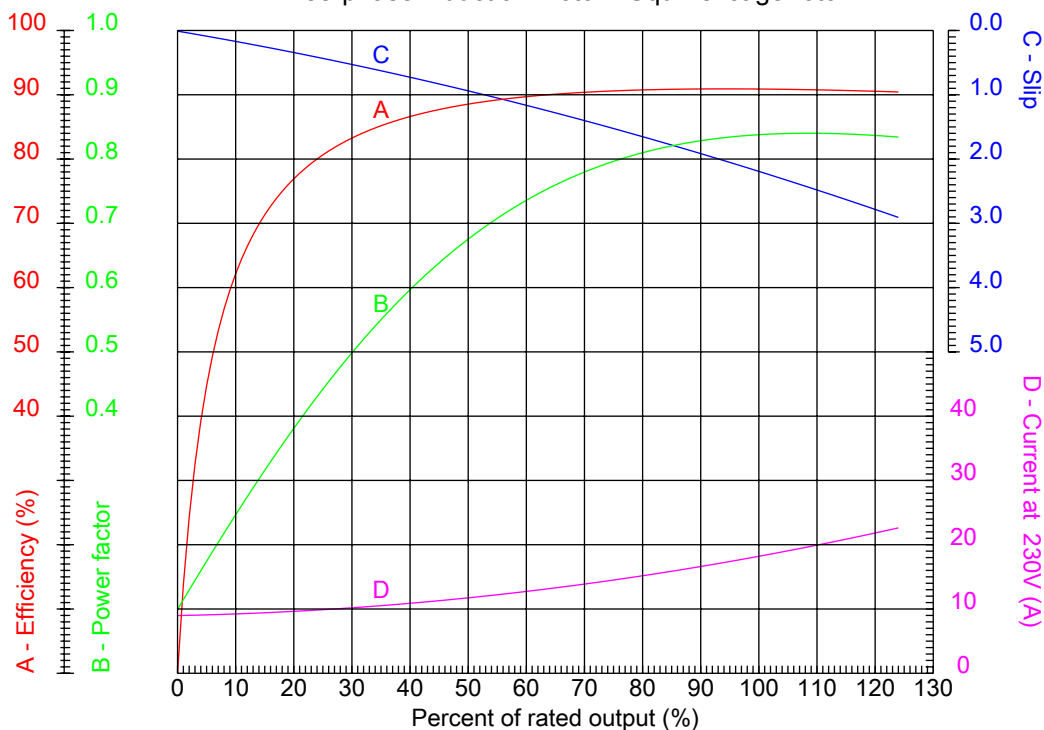


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 213/5JM	Locked rotor current (I _l /I _n)	: 7.5
Output	: 7.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1760	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 20.0-18.1/9.03 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

Performed by

Checked

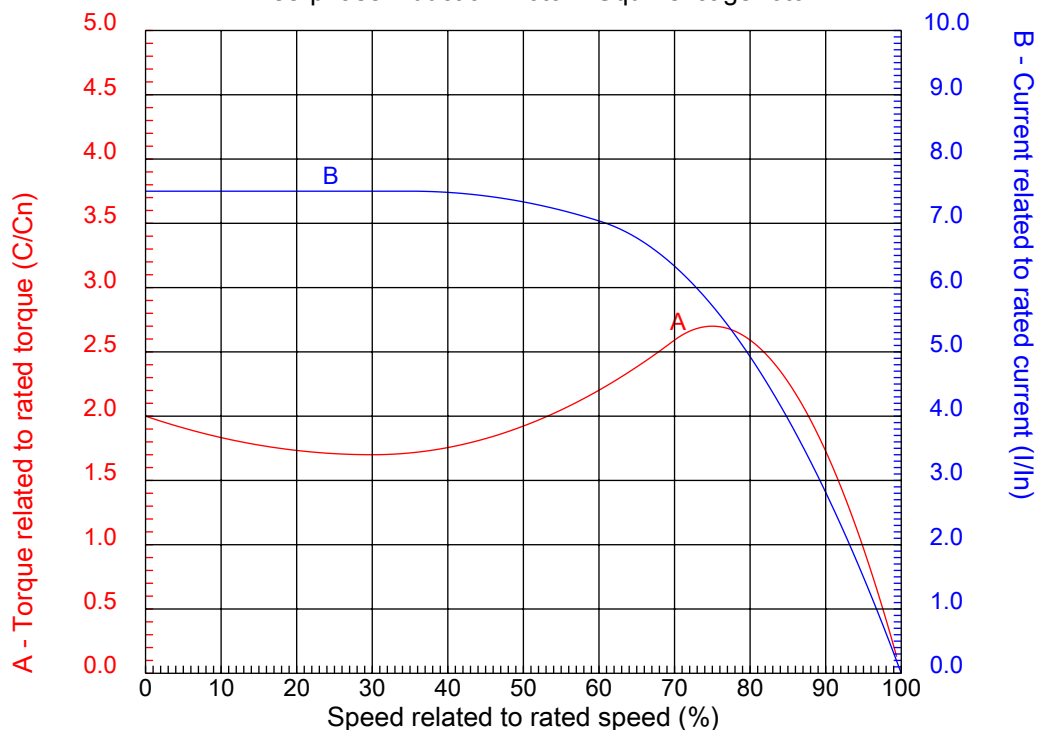


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



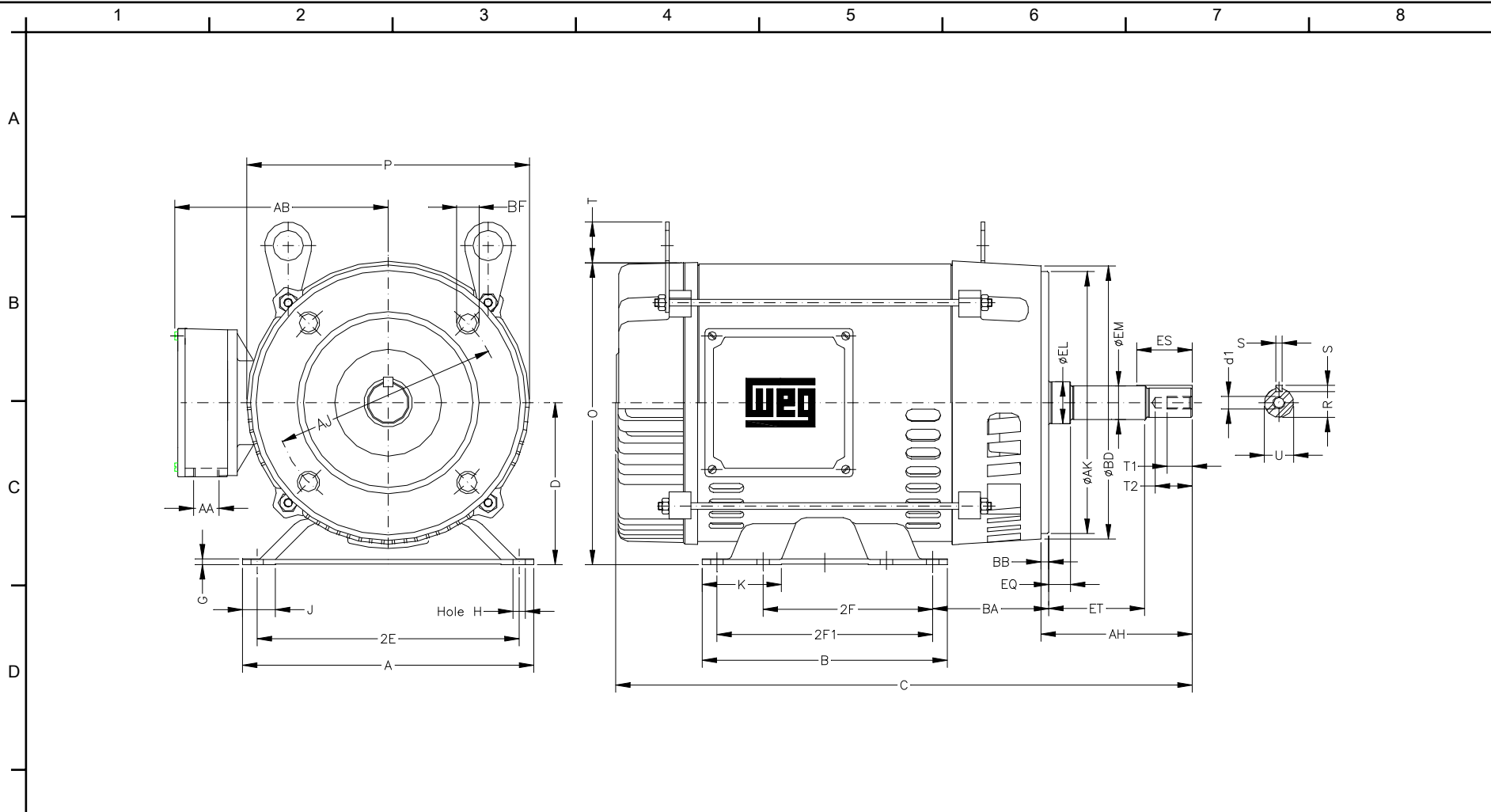
Customer :
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame	: 213/5JM	Locked rotor current (I _l /I _n)	: 7.5
Output	: 7.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1760	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 20.0-18.1/9.03 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

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Customer:

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

Three-phase induction motor
Frame 213/5JM - IP21

27-DEC-2012

