



No.:

Date: 28-DEC-2012

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Jet Pump - NEMA 56 : Single-Phase - Keyed - TEFC (IP55)

Catalog Number : .3336ES1BJP56C

List Price : \$263

Notes:

Performed by:

Checked:



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DATA SHEET

Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Jet Pump - NEMA 56 : Single-Phase - Keyed - TEFC (IP55)

Frame : B56
Output : 0.33 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3490
Slip : 3.06 %
Voltage : 115/208-230 V
Rated current : 5.70/2.70-2.85 A
Locked rotor current : 33.1/16.5 A
Locked rotor current (I_L/I_n) : 5.8
No-load current : 4.40/2.20 A
Full load torque : 0.490 lb.ft
Locked rotor torque : 370 %
Breakdown torque : 320 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.15 (1.00 at 208V)
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 26 lb
Moment of inertia : 0.02776 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 2RS	6202 2RS	100%	0.70	53.0
Regreasing interval	---	---	75%	0.64	49.0
Grease amount	---	---	50%	0.56	40.0

Notes:

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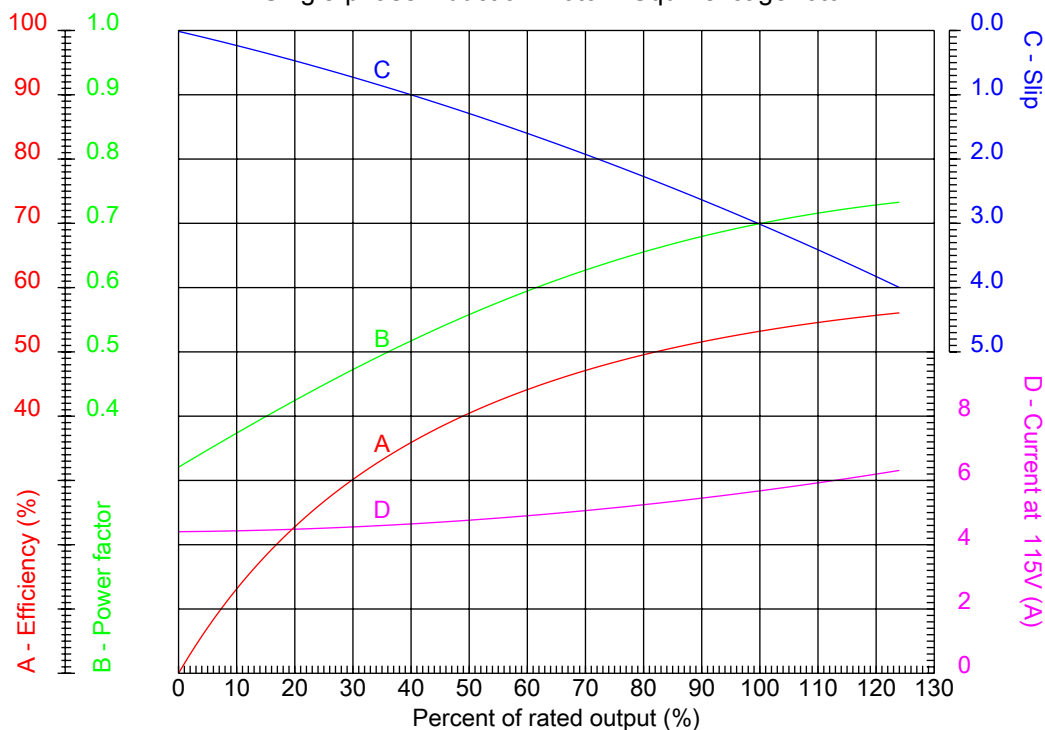
Checked



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



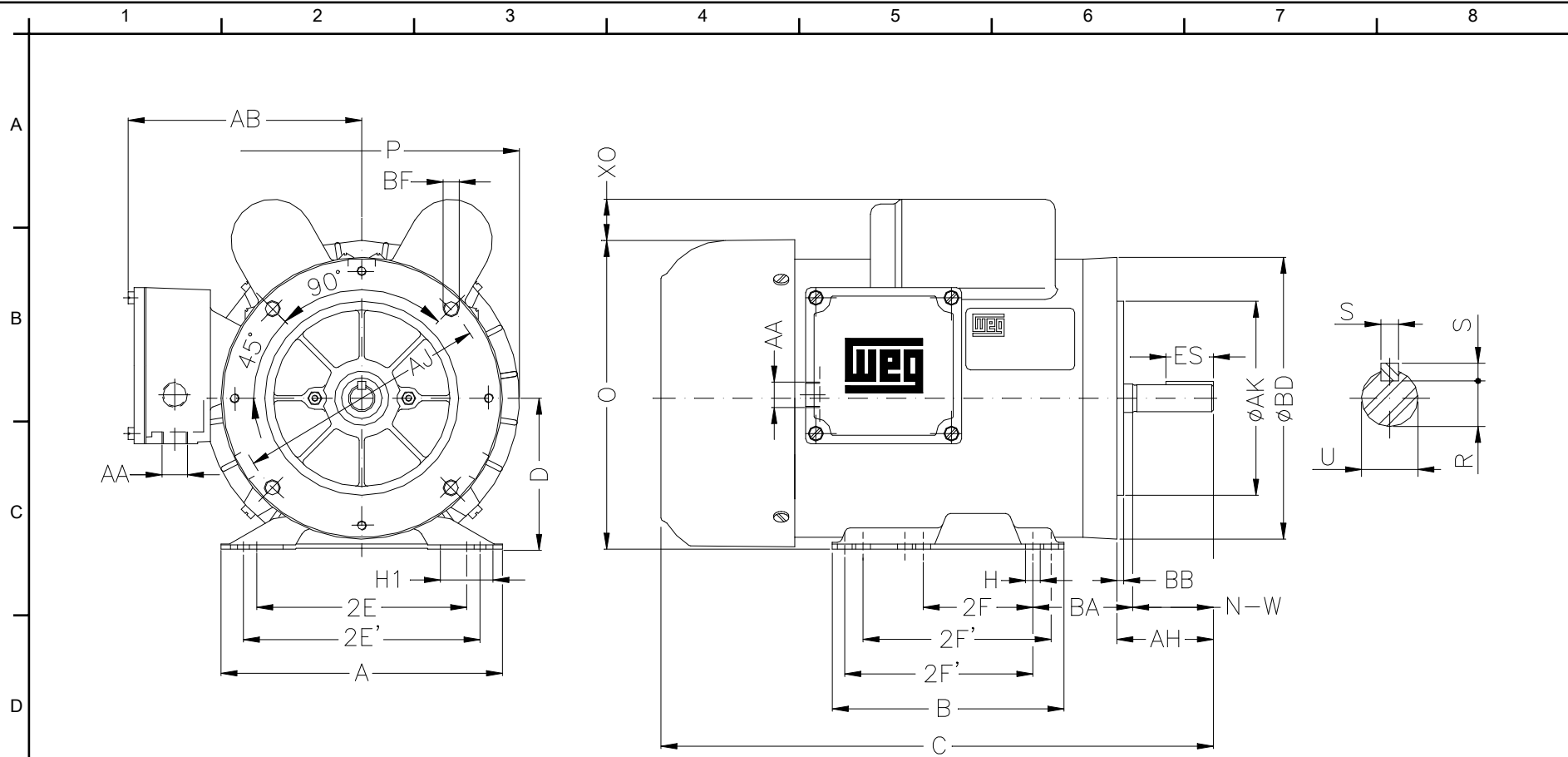
Customer :
Product line : Jet Pump - NEMA 56 : Single-Phase - Keyed - TEFC (IP55)

Frame	: B56	Locked rotor current (I _l /I _n)	: 5.8
Output	: 0.33 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 3490	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 370 %
Rated current	: 5.70/2.70-2.85 A	Breakdown torque	: 320 %
Insulation class	: B		

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Customer:

Jet Pump - NEMA 56 : Single-Phase - Keyed - TEFC (IP55)

2E 4.874	H 0.342	BA 2.750	A 6.535	P 7.323
D 3.500	J 1.220	O 7.165	AB 5.433	AA NPT 1/2"
Flange FC-149	AJ 5.874	AK 4.500	BD 6.535	BF UNC 3/8"x16-2B
BB 0.157	BC ---	AH		

Single-phase induction motor
Frame B56 - IP55

28-DEC-2012

