



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 : 00236ES1BJP56C

List Price : \$487

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 : F56H
Output : 2 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3470
Slip : 3.61 %
Voltage : 115/208-230 V
Rated current : 20.0/10.6-10.0 A
Locked rotor current : 140/70.0 A
Locked rotor current (I_L/I_n) : 7.0
No-load current : 9.00/4.50 A
Full load torque : 2.99 lb.ft
Locked rotor torque : 250 %
Breakdown torque : 240 %
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 : 44 lb
Moment of inertia : 0.07902 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 2RS	6203 2RS	100%	0.87	74.0
Regreasing interval	---	---	75%	0.81	73.0
Grease amount	---	---	50%	0.72	69.0

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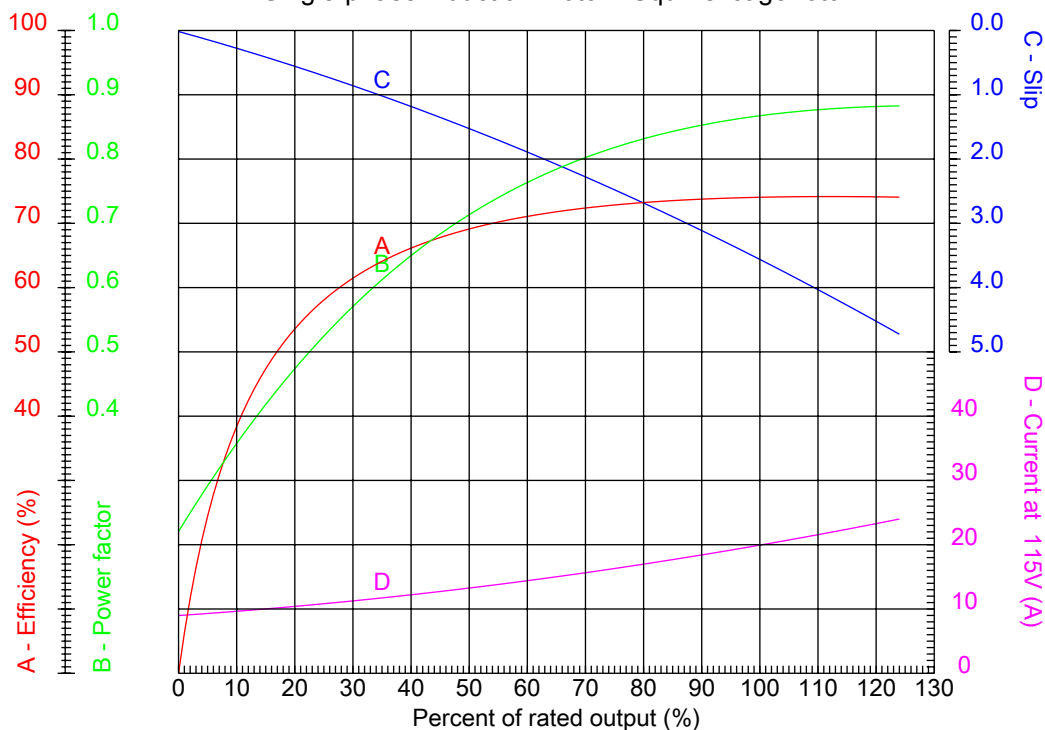
Checked



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



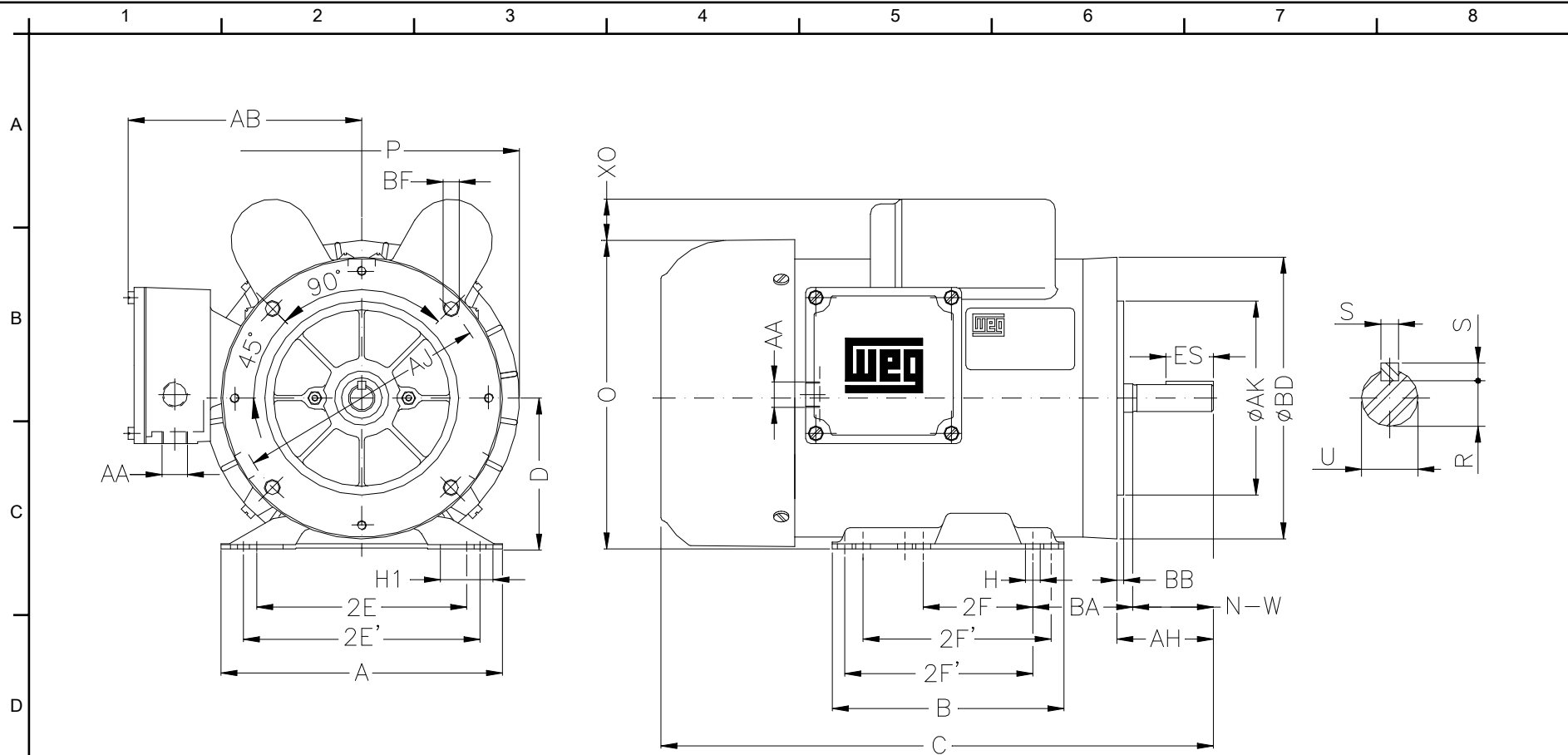
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Customer:

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

F	2E 4.874	H 0.342	BA 2.750	A 6.535	P 7.323
	D 3.500	J 1.220	K 5.000	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 F56H - IP55

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