



No.:

Date: 28-DEC-2012

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Pool & Spa Motors : C-Face - Start Capacitor - Low Service Factor

Catalog Number : PCJ115

List Price : \$300

Notes:

Performed by:

Checked:



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DATA SHEET

Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Pool & Spa Motors : C-Face - Start Capacitor - Low Service Factor

Frame : L56J
Output : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3450
Slip : 4.17 %
Voltage : 115/230 V
Rated current : 17.7/8.85 A
Locked rotor current : 104/52.2 A
Locked rotor current (I_L/I_n) : 5.9
No-load current : 10.5/5.25 A
Full load torque : 2.25 lb.ft
Locked rotor torque : 130 %
Breakdown torque : 210 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.10
Duty cycle : S1
Ambient temperature : -20°C - +50°C
Altitude : 1000
Degree of Protection : IP21
Approximate weight : 31 lb
Moment of inertia : 0.03607 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 2RS	6203 ZZ	100%	0.79	69.6
Regreasing interval	---	---	75%	0.72	69.0
Grease amount	---	---	50%	0.61	64.5

Notes:

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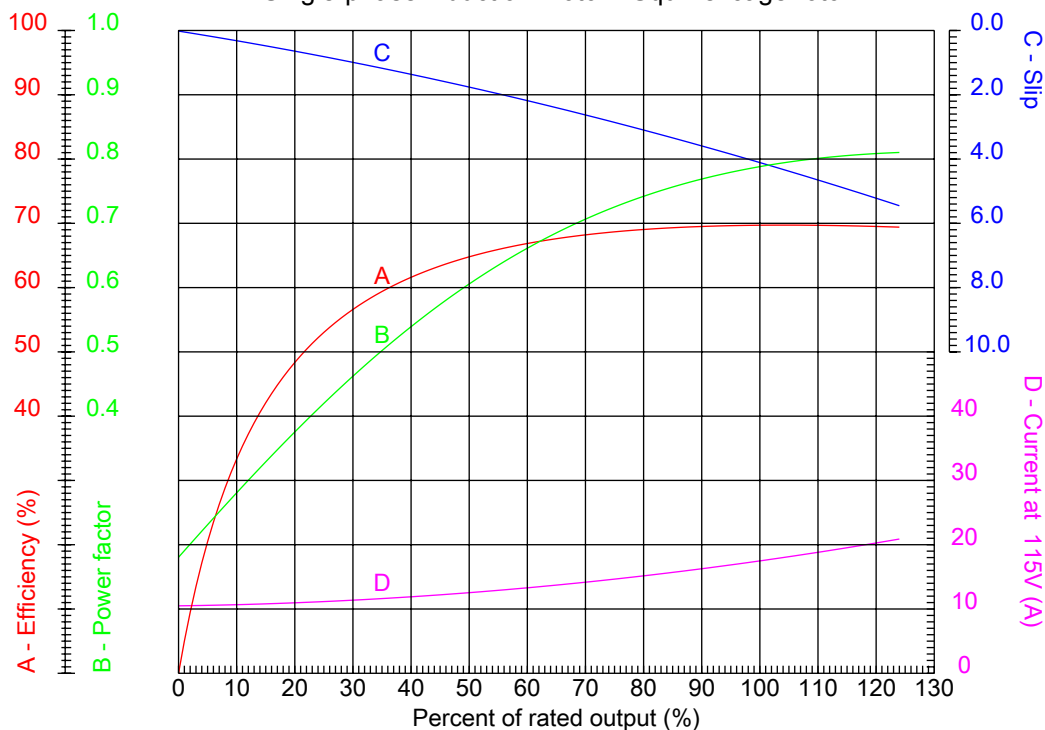
Checked



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



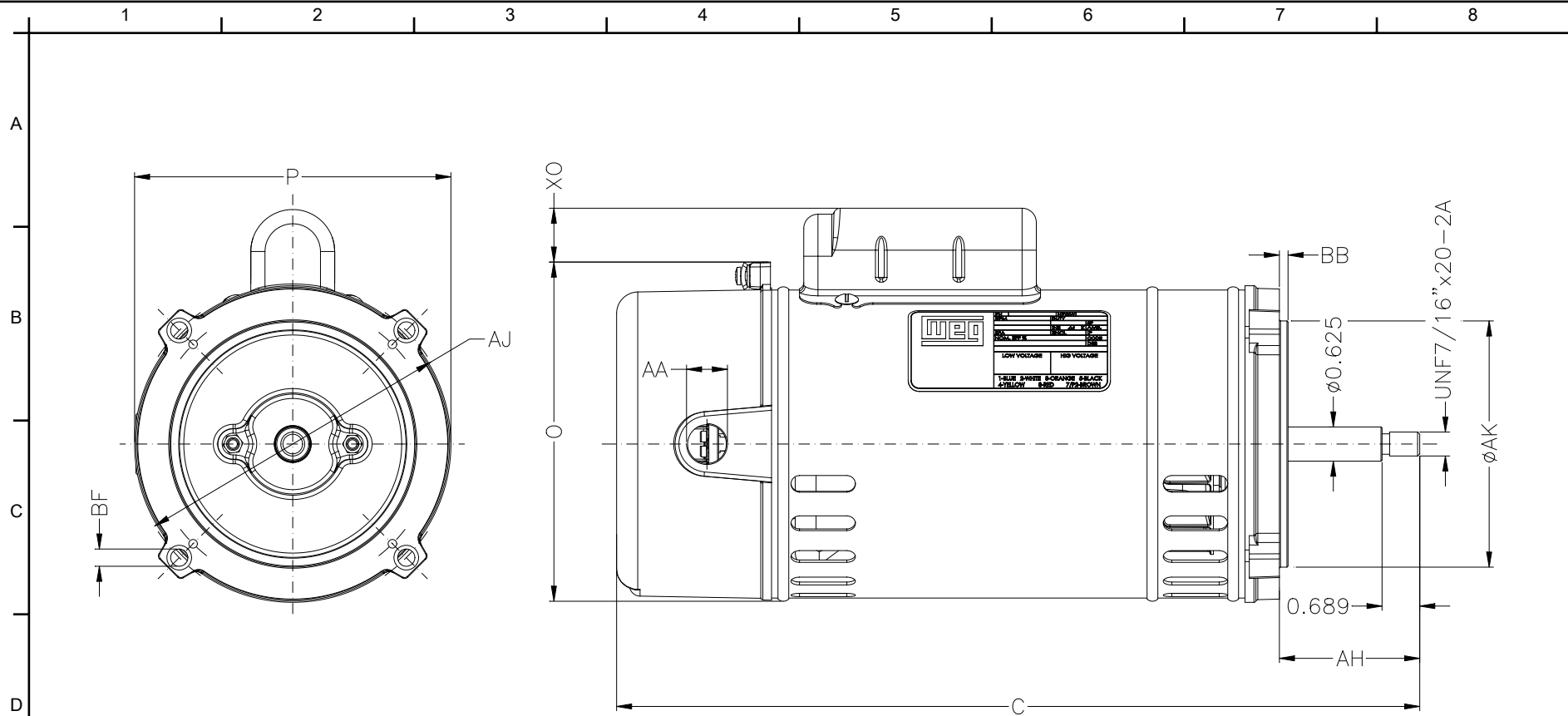
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Rated current	: 17.7/8.85 A	Breakdown torque	: 210 %
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Pool & Spa Motors : C-Face - Start Capacitor - Low Service Factor

P	C	AA	Flange	AJ
5.748	14.488	NPT 1/2"	FC-149	5.874
AK	BD	BF	BB	BC
4.500	5.748	UNC 3/8"x16	0.157	---
AH				
2.563				

Single-phase induction motor
Frame L56J - IP21

28-DEC-2012

