



No.:

Date: 28-DEC-2012

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

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

Catalog Number : PCJ107H

List Price : \$263

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 - High Service Factor

Frame : K56J
Output : 0.75 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3510
Slip : 2.50 %
Voltage : 115/230 V
Rated current : 11.2/5.60 A
Locked rotor current : 70.6/35.3 A
Locked rotor current (I_L/I_n) : 6.3
No-load current : 8.30/4.15 A
Full load torque : 1.11 lb.ft
Locked rotor torque : 190 %
Breakdown torque : 340 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.50
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP21
Approximate weight : 27 lb
Moment of inertia : 0.02966 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 2RS	6203 ZZ	100%	0.66	65.8
Regreasing interval	---	---	75%	0.58	63.0
Grease amount	---	---	50%	0.48	54.0

Notes:

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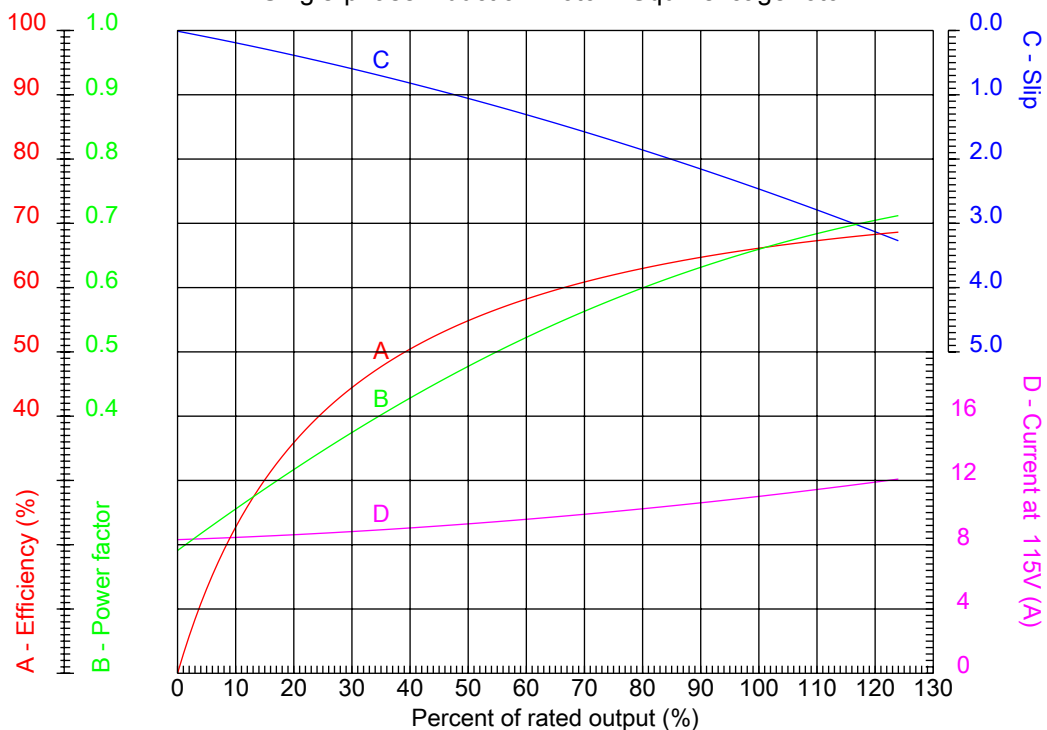
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PERFORMANCE CURVES RELATED TO RATED OUTPUT
Single-phase induction motor - Squirrel cage rotor



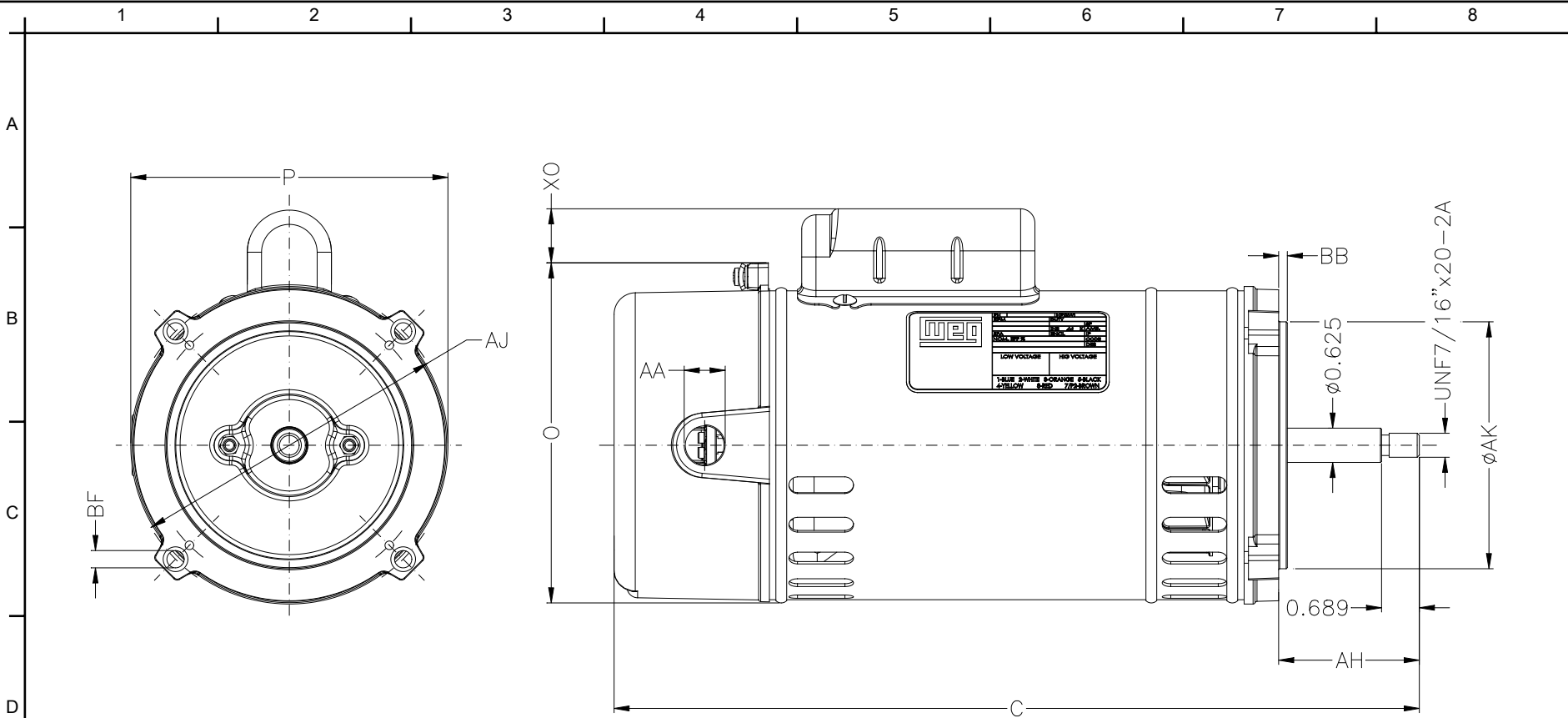
Customer :
Product line : Pool & Spa Motors : C-Face - Start Capacitor - High Service Factor

Frame	: K56J	Locked rotor current (I _l /I _n)	: 6.3
Output	: 0.75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.50
Full load speed	: 3510	Design	: ---
Voltage	: 115/230 V	Locked rotor torque	: 190 %
Rated current	: 11.2/5.60 A	Breakdown torque	: 340 %
Insulation class	: B		

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A					
B					
C					
D					
E					

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Customer:

Pool & Spa Motors : C-Face - Start Capacitor - High Service Factor

Single-phase induction motor
Frame K56J - IP21

28-DEC-2012



F	P 5.748	C 13.898	AA NPT 1/2	Flange FC-149	AJ 5.874
	AK 4.500	BD 5.748	BF UNC 3/8"x16	BB 0.157	BC ---
	AH 2.563				