

# PANCAKE SINGLE PHASE GENERATORS

Date: 8/15/11

Basic Model 334CSA3028/334CSB3028

Test Report No. WC3028

## TYPICAL SUBMITTAL DATA

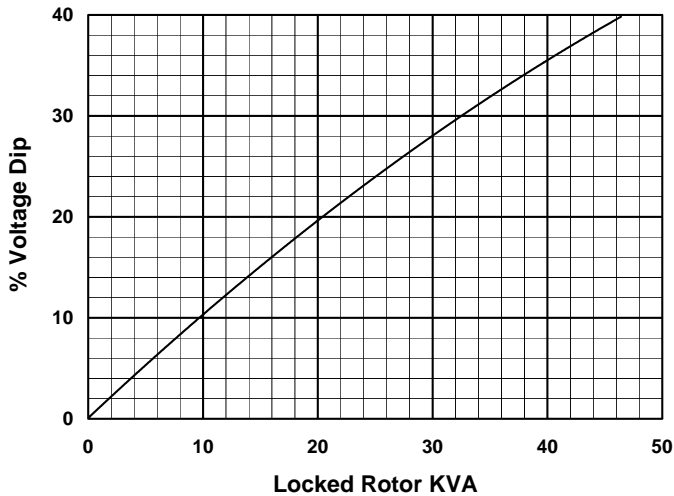
Kilowatt ratings at		1800 RPM			60 Hertz		4 Leads	
kW (kVA)		1 Phase			Dripproof or Open Enclosure			
		Class B			Class F			
P.F. Volts	80° C ① Continuous	95° C ① Lloyds	90° C ① ABS	105° C ② British Standard	105° C ① Continuous	130° C ① Standby		
0.8 120V 120/240V	11.5 (14.4)	11.5 (14.4)	11.5 (14.4)	13 (16.3)	13 (16.3)	14.5 (18.1)		
1.0 120V 120/240V	17 (17)	17 (17)	17 (17)	20 (20)	20 (20)	22.5 (22.5)		

① Rise by resistance method, Mil-Std-705, Method 680.1b.

② Rating per BS 5000.

Submittal Data: 240 Volts, 1800 RPM, 60Hz, 1 Phase					
Mil-Std-705B			Mil-Std-705B		
Method	Description	Value	Method	Description	Value
301.1b	Insulation Resistance	> 1.5 Meg	505.3b	Overspeed	2250 RPM
302.1a	High Potential Test		601.4a	L-L Harmonic Maximum - Total (Distortion Factor)	12.0%
	Main Stator	1500 volts	601.4a	L-L Harmonic Maximum - Single	11.0%
	Main Rotor	1500 volts	601.1c	Deviation Factor	13.0%
	Exciter Stator	1500 volts	--	Type	Ext. Voltage Regulated, Brushless
	Exciter Rotor	1500 volts	----	Insulation	Class F
401.1a	Stator Resistance, Line to Line		----	Coupling - Single Bearing	Flexible
	High Wye Connection	0.162 Ohms	----	Amortisseur Windings	Full
	Rotor Resistance	2.08 Ohms	----	Cooling Air Volume	250 CFM
	Exciter Stator	31.7 Ohms	----	Exciter	Rotating
	Exciter Rotor	0.55 Ohms	----	Voltage Regulator	SE350
410.1a	No Load Exciter Field Amps at 240 Volts Line to Line	0.51 A DC	----	Voltage Regulation	1%

**TYPICAL MOTOR STARTING CHARACTERISTICS**



**TYPICAL GENERATOR EFFICIENCY**

