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)

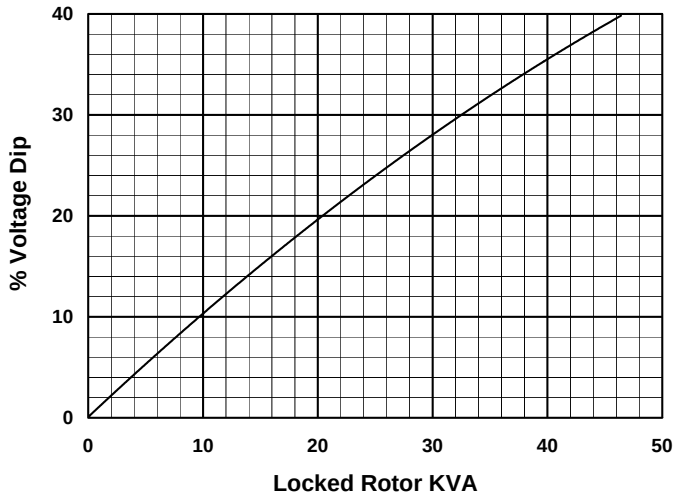
① *Rise by resistance method, Mil-Std-705, Method 680.1b.* ② *Rating per BS 5000.*

Submittal Data: 240 Volts, 1800 RPM, 60Hz, 1 Phase

Mil-Std-705B Method	Description	Value
301.1b	Insulation Resistance	> 1.5 Meg
302.1a	High Potential Test	
	Main Stator	1500 volts
	Main Rotor	1500 volts
	Exciter Stator	1500 volts
	Exciter Rotor	1500 volts
401.1a	Stator Resistance, Line to Line	
	High Wye Connection	0.162 Ohms
	Rotor Resistance	2.08 Ohms
	Exciter Stator	31.7 Ohms
	Exciter Rotor	0.55 Ohms
410.1a	No Load Exciter Field Amps	
	at 240 Volts Line to Line	0.51 A DC

Mil-Std-705B Method	Description	Value
505.3b	Overspeed	2250 RPM
601.4a	L-L Harmonic Maximum - Total (Distortion Factor)	12.0%
601.4a	L-L Harmonic Maximum - Single	11.0%
601.1c	Deviation Factor	13.0%
--	Type	Ext. Voltage Regulated, Brushless
----	Insulation	Class F
----	Coupling - Single Bearing	Flexible
----	Amortisseur Windings	Full
----	Cooling Air Volume	250 CFM
----	Exciter	Rotating
----	Voltage Regulator	SE350
----	Voltage Regulation	1%

TYPICAL MOTOR STARTING CHARACTERISTICS



TYPICAL GENERATOR EFFICIENCY