

MAGNAPLUS GENERATORS

Basic Model 283PSL1543

Test Report No. WC1543

Date: 1/10/02

SINGLE PHASE TYPICAL SUBMITTAL DATA

Kilowatt ratings at		1800 RPM		60 Hertz			4 Leads			
kW (kVA)		1 Phase		Dripproof or Open Enclosure						
		Class B		Class F			Class H			
P.F. Volts		80° C ⊕	90° C ⊕	95° C ⊕	105° C †	105° C ⊕	130° C ⊕	125° C †	125° C ⊕	150° C ⊕
		Continuous	Lloyds	ABS	British Standard	Continuous	Standby	British Standard	Continuous	Standby
0.8	120V 120/240V	14 (17.5)	15 (18.8)	15 (18.8)	16 (20)	16 (20)	18 (22.5)	17.5 (21.9)	17.5 (21.9)	20 (25)
1.0	120V 120/240V	18 (18)	19 (19)	19 (19)	20 (20)	20 (20)	23 (23)	22 (22)	22 (22)	25 (25)

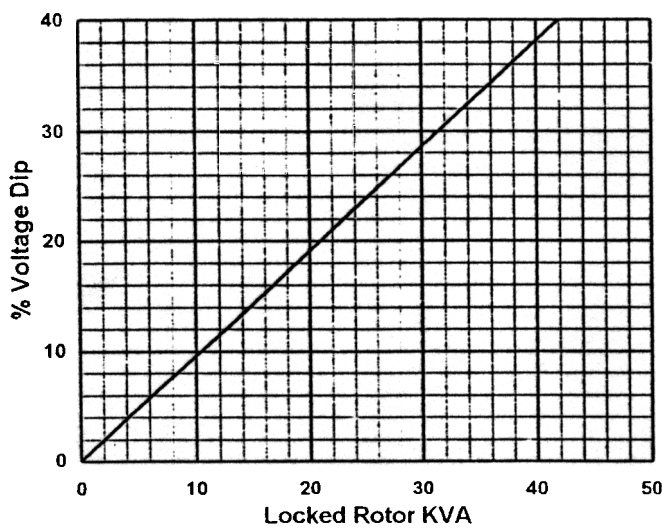
⊕ Rise by resistance method, Mil-Std-705, Method 680.1b.

† Rating per BS 5000.

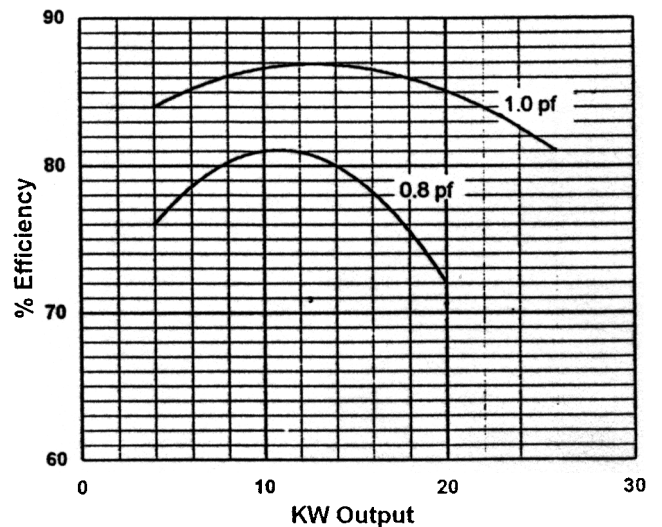
Submittal Data: 240 Volts, 20 kVA, 1800 RPM, 60 Hz, 1 Phase

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)	8.0%
	Main Stator	1500 volts	601.4a	L-L Harmonic Maximum - Single	7.0%
	Main Rotor	1500 volts	601.1c	Deviation Factor	8.0%
	Exciter Stator	1500 volts	---	Type	Ext. Voltage Regulated, Brushless
	Exciter Rotor	1500 volts	---	Insulation	Class H
401.1a	Stator Resistance, Line to Line High Wye Connection	0.16 Ohms	---	Coupling - Single Bearing	Flexible
	Rotor Resistance	0.62 Ohms	---	Amortisseur Windings	Full
	Exciter Stator	23 Ohms	---	Cooling Air Volume	250 CFM
	Exciter Rotor	0.12 Ohms	---	Exciter	Rotating
410.1a	No Load Exciter Field Amps at 240 Volts Line to Line	0.92 A DC	---	Voltage Regulator	SE350
			---	Voltage Regulation	1%

TYPICAL MOTOR STARTING CHARACTERISTICS



TYPICAL GENERATOR EFFICIENCY



Prices and data subject to change without notice.

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