MARATHON ELECTRIC GENERATORS

TYPICAL SUBMITTAL DATA

MODEL : 282PSL1503
BASE MODEL : 282PSL1503 **Winding WC- 1503S** **10/31/2001**

Kilowatt ratings at kW (kVA)	1800 RPM		60 Hertz		12 LEADS		Single phase connection Dripproof or Open Enclosure		
	Class B	Class F					Class H		
Voltage at - pf	80° C ① Continuous	90° C ① Lloyds	95° C ① ABS	105° C British Standard	105° C Continuous	130° C ① Standby	125° C British Standard	125° C Continuous	150° C ① Standby
480/240-1	9.2 (9.2)	9.5 (9.5)	9.7 (9.7)	10 (10)	10 (10)	11 (11)	10.5 (10.5)	11 (11)	12 (12)
480/240-.8	7 (8.8)	7.3 (9.1)	7.5 (9.4)	7.5 (9.4)	7.8 (9.8)	8.2 (10.3)	7.7 (9.6)	8.1 (10.1)	8.5 (10.6)
440/220-1	8 (8)	8.3 (8.3)	8.5 (8.5)	9 (9)	9 (9)	10 (10)	10 (10)	10 (10)	11 (11)
440/220-.8	6.4 (8)	6.6 (8.3)	6.8 (8.5)	7.2 (9)	7.2 (9)	8 (10)	8 (10)	8 (10)	8.3 (10.4)

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

Submittal Data: 240 Volts*, 7.84 kW, 9.8 kVA, 0.8 P.F., 1800 RPM, 60 Hz, 1 Phase

Mil-Std-705B Method	Description	Value
301.1b	Insulation Resistance	>1.5 Meg
302.1a	High Potential Test	
	Main Stator	2000 Volts
	Main Rotor	1500 Volts
	Exciter Stator	1500 Volts
	Exciter Rotor	1500 Volts
401.1a	Stator resistance - Line to Line	
	Low-Zigzag = 0.75 Ohms, Hi-Zigzag = 3 Ohms	
	Rotor Resistance	0.47 Ohms
	Exciter Stator	23 Ohms
	Exciter Rotor	0.12 Ohms
410.1a	No Load Exciter Field Amps	
	at 120/240 Volts Line to Line	0.45 A DC

Mil-Std-705B Method	Description	Value
505.3b	Overspeed	2250 RPM
601.4a	L-L Harmonic Maximum - Total	8.0%
	(Distortion Factor)	
601.4a	L-L Harmonic Maximum - Single	7.0%
601.1c	Deviation Factor	8.0%
--	Type	MAGNAPLUS
--	Insulation	Class H
--	Coupling - Single Bearing	Flexible
--	Amortisseur Windings	Full
--	Exciter	Rotating
--	Voltage Regulator	SE350
--	Voltage Regulation	1.00%
	Cooling Air Volume	250 CFM