MARATHON ELECTRIC GENERATORS

TYPICAL SUBMITTAL DATA

MODEL : 283PSL1506
BASE MODEL : 283PSL1506 **Winding WC- 1506S** **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	15 (15)	15.5 (15.5)	16 (16)	17 (17)	17 (17)	18.5 (18.5)	18 (18)	18 (18)	20 (20)
480/240-.8	10.5 (13.1)	11.5 (14.4)	12 (15)	12.5 (15.6)	12.5 (15.6)	14 (17.5)	13.5 (16.9)	14 (17.5)	15 (18.8)
440/220-1	13.5 (13.5)	14 (14)	14.5 (14.5)	15.5 (15.5)	15.5 (15.5)	16.5 (16.5)	16.5 (16.5)	16.5 (16.5)	18.5 (18.5)
440/220-.8	10 (12.5)	10.5 (13.1)	11 (13.8)	11.5 (14.4)	11.5 (14.4)	13 (16.3)	13 (16.3)	13 (16.3)	14 (17.5)

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

Submittal Data: 240 Volts*, 14 kW, 17.5 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 = 0.255 Ohms, Hi-Zigzag =	1.02 Ohms
	Rotor Resistance	0.654 Ohms
	Exciter Stator	23 Ohms
	Exciter Rotor	0.12 Ohms
410.1a	No Load Exciter Field Amps	
	at 120/240 Volts Line to Line	0.48 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