MARATHON ELECTRIC GENERATORS

TYPICAL SUBMITTAL DATA

MODEL : 361PSL1601

BASE MODEL : 361PSL1601 **Winding WC- 1601S** **10/31/2001**

Kilowatt ratings at kW (kVA)	**1500 RPM**		**50 Hertz**		**12 LEADS**	**Single phase connection Dripproof or Open Enclosure**		
	Class B	**Class F**					**Class H**	
Voltage at - pf	**80º C ① Continuous**	**90º C ① Lloyds**	**95º C ① ABS**	**105º C British Standard**	**105º C Continuous**	**130º C ① Standby**	**125º C British Standard**	**125º C Continuous**	**150º C ① Standby**
440/220-1	29 (29)	30 (30)	30 (30)	33 (33)	33 (33)	35 (35)	35 (35)	35 (35)	38 (38)
440/220-.8	19 (23.8)	20 (25)	21 (26.3)	23 (28.8)	23 (28.8)	25 (31.3)	25 (31.3)	25 (31.3)	27 (33.8)
400/200-1	27 (27)	28 (28)	28 (28)	31 (31)	31 (31)	33 (33)	33 (33)	33 (33)	35 (35)
400/200-.8	19 (23.8)	20 (25)	20 (25)	22 (27.5)	22 (27.5)	24 (30)	24 (30)	24 (30)	26 (32.5)

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

Submittal Data: 440 Volts*, 25.2 kW, 31.5 kVA, 0.8 P.F., 1500 RPM, 50 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	1875 RPM
302.1a	High Potential Test		601.4a	L-L Harmonic Maximum - Total	5.0%
	Main Stator	2000 Volts		(Distortion Factor)	
	Main Rotor	1500 Volts	601.4a	L-L Harmonic Maximum - Single	5.0%
	Exciter Stator	1500 Volts	601.1c	Deviation Factor	6.0%
	Exciter Rotor	1500 Volts	--	Type	MAGNAPLUS
401.1a	Stator resistance - Line to Line		--	Insulation	Class H
	Low-Zigzag = 0.099 Ohms, Hi-Zigzag =	0.396 Ohms	--	Coupling - Single Bearing	Flexible
	Rotor Resistance	0.81 Ohms	--	Amortisseur Windings	Full
	Exciter Stator	23.5 Ohms	--	Exciter	Rotating
	Exciter Rotor	0.12 Ohms	--	Voltage Regulator	SE350
410.1a	No Load Exciter Field Amps		--	Voltage Regulation	1.00%
	at 220/440 Volts Line to Line	#VALUE!		Cooling Air Volume	575 CFM