

# MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page 24

MODEL : 433PSL6220  
BASE MODEL : 433PSL6220

Winding WC- 1909S

11/01/2001

Voltage at pf	1800 RPM		60 Hertz			12 LEADS		Single phase connection Dripproof or Open Enclosure		
	Class B		Class F					Class H		
	80° C ∅ Continuous	90° C ∅ Lloyds	95° C ∅ ABS	105° C British Standard	105° C Continuous	130° C ∅ Standby	125° C British Standard	125° C Continuous	150° C ∅ Standby	
480/240-1	190 (190)	196 (196)	199 (199)	220 (220)	220 (220)	241 (241)	227 (227)	240 (240)	250 (250)	
480/240-8	150 (188)	155 (194)	155 (194)	175 (219)	175 (219)	193 (241)	181 (226)	190 (238)	200 (250)	
440/220-1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
440/220-8	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	

① Rise by resistance method, Mil-Std-705, Method 680.1b.

British Standard Rating per BS 5000

Submittal Data: 480 Volts*, 200 kW, 250 kVA, 0.8 P.F., 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)	5.0%
	Main Stator	2000 Volts	601.4a	L-L Harmonic Maximum - Single	5.0%
	Main Rotor	1500 Volts	601.1c	Deviation Factor	6.0%
	Exciter Stator	1500 Volts	--	Type	MAGNAPLUS
	Exciter Rotor	1500 Volts	--	Insulation	Class H
401.1a	Stator resistance - Line to Line		--	Coupling - Single Bearing	Flexible
	Low-Zigzag = 0.0047 Ohms, Hi-Zigzag =	0.0188 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.991 Ohms	--	Exciter	Rotating
	Exciter Stator	18.5 Ohms	--	Voltage Regulator	SE350
	Exciter Rotor	0.116 Ohms	--	Voltage Regulation	1.00%
410.1a	No Load Exciter Field Amps at 240/480 Volts Line to Line	0.86 A DC	--	Cooling Air Volume	800 CFM

