

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 431PSL6204
BASE MODEL : 431PSL6204

Winding WC- 1901S

11/01/2001

Voltage at pf	1500 RPM			50 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	
440/220-1	87 (87)	90 (90)	90 (90)	100 (100)	100 (100)	112 (112)	104 (104)	110 (110)	115 (115)	
440/220-8	70 (87.5)	72 (90)	72 (90)	80 (100)	80 (100)	90 (113)	83 (104)	88 (110)	92 (115)	
400/200-1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
400/200-8	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

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 (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 = 0.0184 Ohms, Hi-Zigzag =	0.0736 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.656 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 220/440 Volts Line to Line	#VALUE!	--	Cooling Air Volume	915 CFM

