

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 431PSL6208
BASE MODEL : 431PSL6208

Winding WC- 1903S

11/01/2001

Kilowatt ratings at kW (kVA)	1500 RPM		50 Hertz			12 LEADS		Single phase connection Dripproof or Open Enclosure		
	Class B		Class F					Class H		
	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	109 (109)	113 (113)	113 (113)	125 (125)	125 (125)	143 (143)	131 (131)	140 (140)	145 (145)	
440/220-8	87 (109)	90 (113)	90 (113)	100 (125)	100 (125)	114 (143)	105 (131)	112 (140)	116 (145)	
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

Submittal Data: 440 Volts*, 116 kW, 145 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 (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 = 0.0131 Ohms, Hi-Zigzag =	0.0524 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.709 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

