

# MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 6100

Page

MODEL : 432RSL4011  
BASE MODEL : 432RSL4011

Winding H-SG 430018S

11/01/2001

Voltage at pf	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	100 (100)	106 (106)	109 (109)	115 (115)	115 (115)	124 (124)	116 (116)	122 (122)	128 (128)
440/220-8	80 (100)	85 (106)	87 (109)	92 (115)	92 (115)	99 (124)	93 (116)	97 (121)	102 (128)	
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	MAGNAMAXDVR
	Exciter Rotor	1500 Volts	--	Insulation	Class H
401.1a	Stator resistance - Line to Line		--	Coupling - Single Bearing	Flexible
	Low-Zigzag = 0.0154 Ohms, Hi-Zigzag =	0.0616 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.186 Ohms	--	Exciter	Rotating
	Exciter Stator	22.5 Ohms	--	Voltage Regulator	DVR2000
	Exciter Rotor	0.022 Ohms	--	Voltage Regulation	0.25%
410.1a	No Load Exciter Field Amps at 220/440 Volts Line to Line	#VALUE!	--	Cooling Air Volume	930 CFM

