

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 282PSL1505
BASE MODEL : 282PSL1505

Winding WC- 1505S

10/31/2001

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	10.5 (10.5)	11 (11)	11 (11)	12 (12)	12 (12)	13 (13)	13 (13)	13 (13)	14 (14)
440/220-8	7.5 (9.4)	7.8 (9.8)	8 (10)	8.5 (10.6)	8.5 (10.6)	9.5 (11.9)	9.5 (11.9)	9.5 (11.9)	10 (12.5)	
400/200-1	9.5 (9.5)	9.8 (9.8)	10 (10)	10.5 (10.5)	10.5 (10.5)	11.5 (11.5)	11.5 (11.5)	11.5 (11.5)	12.5 (12.5)	
400/200-8	7.2 (9)	7.5 (9.4)	7.5 (9.4)	8 (10)	8 (10)	9 (11.3)	9 (11.3)	9 (11.3)	9.5 (11.9)	

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 8.32 kW, 10.4 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)	8.0%
	Main Stator	2000 Volts	601.4a	L-L Harmonic Maximum - Single	7.0%
	Main Rotor	1500 Volts	601.1c	Deviation Factor	8.0%
	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 = 0.588 Ohms, Hi-Zigzag =	2.352 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.575 Ohms	--	Exciter	Rotating
	Exciter Stator	23 Ohms	--	Voltage Regulator	SE350
	Exciter Rotor	0.12 Ohms	--	Voltage Regulation	1.00%
410.1a	No Load Exciter Field Amps at 110/220 Volts Line to Line	0.53 A DC	--	Cooling Air Volume	200 CFM

