

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 282PSL1503
BASE MODEL : 282PSL1503

Winding WC- 1503S

10/31/2001

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 Ø Continuous	90° C Ø Lloyds	95° C Ø ABS	105° C British Standard	105° C Continuous	130° C Ø Standby	125° C British Standard	125° C Continuous	150° C Ø Standby
440/220-1	8 (8)	8.2 (8.2)	8.3 (8.3)	8.7 (8.7)	8.7 (8.7)	9.3 (9.3)	9.3 (9.3)	9.3 (9.3)	9.7 (9.7)
440/220-8	5.2 (6.5)	5.4 (6.8)	5.5 (6.9)	6 (7.5)	6 (7.5)	6.3 (7.9)	6.3 (7.9)	6.3 (7.9)	6.5 (8.1)
400/200-1	7.5 (7.5)	7.7 (7.7)	7.8 (7.8)	8.2 (8.2)	8.2 (8.2)	8.7 (8.7)	8.7 (8.7)	8.7 (8.7)	9.2 (9.2)
400/200-8	5.4 (6.8)	5.6 (7)	5.7 (7.1)	6 (7.5)	6 (7.5)	6.4 (8)	6.4 (8)	6.4 (8)	6.7 (8.4)

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 6.4 kW, 8 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 Low-Zigzag = 0.75 Ohms, Hi-Zigzag = 3 Ohms		--	Coupling - Single Bearing	Flexible
	Rotor Resistance	0.47 Ohms	--	Amortisseur Windings	Full
	Exciter Stator	23 Ohms	--	Exciter	Rotating
	Exciter Rotor	0.12 Ohms	--	Voltage Regulator	SE350
410.1a	No Load Exciter Field Amps at 110/220 Volts Line to Line	0.53 A DC	--	Voltage Regulation	1.00%
			--	Cooling Air Volume	200 CFM

