

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 282PSL1504
BASE MODEL : 282PSL1504

Winding WC- 1504S

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	9 (9)	9.5 (9.5)	9.5 (9.5)	10 (10)	10 (10)	11 (11)	11 (11)	11 (11)	12 (12)	
440/220-8	6.4 (8)	6.6 (8.3)	6.6 (8.3)	7.2 (9)	7.2 (9)	7.5 (9.4)	7.5 (9.4)	7.5 (9.4)	8 (10)	
400/200-1	8.5 (8.5)	8.8 (8.8)	9 (9)	9.5 (9.5)	9.5 (9.5)	10 (10)	10 (10)	10 (10)	11 (11)	
400/200-8	6.3 (7.9)	6.5 (8.1)	6.6 (8.3)	7 (8.8)	7 (8.8)	7.5 (9.4)	7.5 (9.4)	7.5 (9.4)	8 (10)	

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 7.28 kW, 9.1 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 = 0.566 Ohms, Hi-Zigzag = 2.264 Ohms		--	Amortisseur Windings	Full
	Rotor Resistance	0.517 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	0.49 A DC	--	Cooling Air Volume	200 CFM

