

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 284PSL1508
BASE MODEL : 284PSL1508

Winding WC- 1508S

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	16 (16)	16.5 (16.5)	17 (17)	18 (18)	18 (18)	20 (20)	20 (20)	20 (20)	22 (22)
440/220-8	12 (15)	12.5 (15.6)	13 (16.3)	14 (17.5)	14 (17.5)	15 (18.8)	15 (18.8)	15 (18.8)	16.5 (20.6)
400/200-1	16.5 (16.5)	17 (17)	17.5 (17.5)	18.5 (18.5)	18.5 (18.5)	20 (20)	20 (20)	20 (20)	22 (22)
400/200-8	12 (15)	13 (16.3)	13 (16.3)	14 (17.5)	14 (17.5)	15.5 (19.4)	15.5 (19.4)	15.5 (19.4)	17 (21.3)

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 20.56 kW, 25.7 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 = 0.13 Ohms, Hi-Zigzag = 0.52 Ohms		--	Coupling - Single Bearing	Flexible
	Rotor Resistance	0.875 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	0.65 A DC	--	Voltage Regulation	1.00%
			--	Cooling Air Volume	200 CFM

