

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

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MODEL : 284PSL1508
BASE MODEL : 284PSL1508

Winding WC- 1508S

10/31/2001

Kilowatt ratings at kW (kVA)	1800 RPM		60 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
480/240-1	20 (20)	21 (21)	21 (21)	22 (22)	22 (22)	25 (25)	25 (25)	25 (25)	27 (27)
480/240-8	15 (18.8)	15.5 (19.4)	15.5 (19.4)	17 (21.3)	17 (21.3)	20 (25)	20 (25)	20 (25)	21 (26.3)
440/220-1	20 (20)	20 (20)	21 (21)	22 (22)	22 (22)	23 (23)	23 (23)	23 (23)	25 (25)
440/220-8	15 (18.8)	15.5 (19.4)	16 (20)	17 (21.3)	17 (21.3)	18 (22.5)	18 (22.5)	18 (22.5)	19 (23.8)

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	2250 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 = 0.13 Ohms, Hi-Zigzag = 0.52 Ohms		--	Amortisseur Windings	Full
	Rotor Resistance	0.875 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 120/240 Volts Line to Line	0.52 A DC	--	Cooling Air Volume	250 CFM

