

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

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MODEL : 282PSL1504
BASE MODEL : 282PSL1504

Winding WC- 1504S

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	11 (11)	11 (11)	11.5 (11.5)	11.5 (11.5)	12 (12)	13 (13)	12.5 (12.5)	12.5 (12.5)	13.5 (13.5)	
480/240-8	7.6 (9.5)	8 (10)	8.2 (10.3)	8.6 (10.8)	8.8 (11)	9.5 (11.9)	9.1 (11.4)	9.3 (11.6)	10 (12.5)	
440/220-1	10 (10)	10.5 (10.5)	10.5 (10.5)	11 (11)	11 (11)	12 (12)	12 (12)	12 (12)	13 (13)	
440/220-8	7.6 (9.5)	8 (10)	8 (10)	8.5 (10.6)	8.5 (10.6)	9 (11.3)	9 (11.3)	9 (11.3)	9.6 (12)	

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

British Standard Rating per BS 5000

Submittal Data: 240 Volts*, 8.8 kW, 11 kVA, 0.8 P.F., 1800 RPM, 60 Hz, 1 Phase			Submittal Data: 240 Volts*, 8.8 kW, 11 kVA, 0.8 P.F., 1800 RPM, 60 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	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 = 0.566 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 120/240 Volts Line to Line	0.49 A DC	--	Cooling Air Volume	250 CFM

