

# MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3660

Page

MODEL : 281PSL1512  
BASE MODEL : 281PSL1512

Winding WC- 1512

10/31/2001

Kilowatt ratings at kW (kVA)	1500 RPM		50 Hertz			4 LEADS		Dedicated single phase 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	
220-1	5 (5)	5.3 (5.3)	5.5 (5.5)	5.7 (5.7)	5.7 (5.7)	6 (6)	6 (6)	6 (6)	6.4 (6.4)	
220-8	3.1 (3.9)	3.2 (4)	3.2 (4)	3.5 (4.4)	3.5 (4.4)	3.6 (4.5)	3.6 (4.5)	3.6 (4.5)	3.8 (4.8)	
200-1	5 (5)	5.3 (5.3)	5.3 (5.3)	5.7 (5.7)	5.7 (5.7)	6 (6)	6 (6)	6 (6)	6.4 (6.4)	
200-8	3.4 (4.3)	3.5 (4.4)	3.6 (4.5)	3.8 (4.8)	3.8 (4.8)	3.9 (4.9)	3.9 (4.9)	3.9 (4.9)	4.1 (5.1)	

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 4 kW, 5 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	1500 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
	Dedicated connection	0.632 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.43 Ohms	--	Exciter	Rotating
	Exciter Stator	0.23 Ohms	--	Voltage Regulator	SE350
	Exciter Rotor	0.12 Ohms	--	Voltage Regulation	1.00%
410.1a	No Load Exciter Field Amps at 220 Volts Line to Line	0.45 A DC	--	Cooling Air Volume	200 CFM

