

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 281PSL1500
BASE MODEL : 281PSL1500

Winding WC- 1500S

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	3.6 (3.6)	3.7 (3.7)	3.8 (3.8)	4 (4)	4.4 (4.4)	4.2 (4.2)	4.2 (4.2)	4.2 (4.2)	4.4 (4.4)
440/220-8	2.3 (2.9)	2.3 (2.9)	2.4 (3)	2.5 (3.1)	2.5 (3.1)	2.6 (3.3)	2.6 (3.3)	2.6 (3.3)	2.7 (3.4)
400/200-1	3.6 (3.6)	3.7 (3.7)	3.8 (3.8)	4 (4)	4 (4)	4.2 (4.2)	4.2 (4.2)	4.2 (4.2)	4.4 (4.4)
400/200-8	2.5 (3.1)	2.6 (3.3)	2.7 (3.4)	2.8 (3.5)	2.8 (3.5)	3 (3.8)	3 (3.8)	3 (3.8)	3.1 (3.9)

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 2.96 kW, 3.7 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 = 1.575 Ohms, Hi-Zigzag = 6.3 Ohms		--	Coupling - Single Bearing	Flexible
	Rotor Resistance	0.4 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	0.58 A DC	--	Voltage Regulation	1.00%
			--	Cooling Air Volume	200 CFM

