

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 281PSL1501
BASE MODEL : 281PSL1501

Winding WC- 1501S

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	4.8 (4.8)	4.9 (4.9)	5 (5)	5.2 (5.2)	5.2 (5.2)	5.5 (5.5)	5.5 (5.5)	5.5 (5.5)	5.7 (5.7)
440/220-8	3 (3.8)	3.1 (3.9)	3.2 (4)	3.3 (4.1)	3.3 (4.1)	3.5 (4.4)	3.5 (4.4)	3.5 (4.4)	3.6 (4.5)
400/200-1	4.8 (4.8)	4.9 (4.9)	5 (5)	5.2 (5.2)	5.2 (5.2)	5.5 (5.5)	5.5 (5.5)	5.5 (5.5)	5.7 (5.7)
400/200-8	3.2 (4)	3.3 (4.1)	3.3 (4.1)	3.5 (4.4)	3.5 (4.4)	3.6 (4.5)	3.6 (4.5)	3.6 (4.5)	3.8 (4.8)

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 3.6 kW, 4.5 kVA, 0.8 P.F., 1500 RPM, 50 Hz, 1 Phase			Submittal Data: 220 Volts*, 3.6 kW, 4.5 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	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 = 1.556 Ohms, Hi-Zigzag =	6.224 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.401 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		--	Cooling Air Volume	200 CFM
	at 110/220 Volts Line to Line	0.58 A DC			

