

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 361PSL1602
BASE MODEL : 361PSL1602

Winding WC- 1602S

10/31/2001

Voltage at pf	1500 RPM			50 Hertz			12 LEADS		Single phase connection Dripproof or Open Enclosure	
	Class B		Class F					Class H		
	80° C ∅ Continuous	90° C ∅ Lloyds	95° C ∅ ABS	105° C British Standard	105° C Continuous	130° C ∅ Standby	125° C British Standard	125° C Continuous	150° C ∅ Standby	
440/220-1	33 (33)	34 (34)	35 (35)	37 (37)	37 (37)	40 (40)	40 (40)	40 (40)	43 (43)	
440/220-8	22 (27.5)	24 (30)	25 (31.3)	26 (32.5)	26 (32.5)	28 (35)	28 (35)	28 (35)	31 (38.8)	
400/200-1	31 (31)	32 (32)	32 (32)	35 (35)	35 (35)	38 (38)	38 (38)	38 (38)	40 (40)	
400/200-8	22 (27.5)	23 (28.8)	24 (30)	25 (31.3)	25 (31.3)	27 (33.8)	27 (33.8)	27 (33.8)	30 (37.5)	

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

British Standard Rating per BS 5000

Submittal Data: 440 Volts*, 27.2 kW, 34 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)	5.0%
	Main Stator	2000 Volts	601.4a	L-L Harmonic Maximum - Single	5.0%
	Main Rotor	1500 Volts	601.1c	Deviation Factor	6.0%
	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 = 0.068 Ohms, Hi-Zigzag =	0.272 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.99 Ohms	--	Exciter	Rotating
	Exciter Stator	23.5 Ohms	--	Voltage Regulator	SE350
	Exciter Rotor	0.12 Ohms	--	Voltage Regulation	1.00%
410.1a	No Load Exciter Field Amps at 220/440 Volts Line to Line	#VALUE!	--	Cooling Air Volume	575 CFM

