

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 363PSL1607
BASE MODEL : 363PSL1607

Winding WC- 1607S

11/01/2001

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 ∅ 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	55 (55)	57 (57)	58 (58)	60 (60)	60 (60)	65 (65)	65 (65)	65 (65)	70 (70)	
440/220-8	40 (50)	42 (52.5)	43 (53.8)	46 (57.5)	46 (57.5)	50 (62.5)	50 (62.5)	50 (62.5)	53 (66.3)	
400/200-1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
400/200-8	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	

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

British Standard Rating per BS 5000

Submittal Data: 440 Volts*, 49.76 kW, 62.2 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 = 0.026 Ohms, Hi-Zigzag = 0.104 Ohms		--	Amortisseur Windings	Full
	Rotor Resistance	1.365 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

