

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3660

Page 13

MODEL : 363PSL1617
BASE MODEL : 363PSL1617

Winding WC- 1617

11/01/2001

Kilowatt ratings at kW (kVA)	1800 RPM		60 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	
240-1	75 (75)	80 (80)	80 (80)	90 (90)	90 (90)	100 (100)	100 (100)	100 (100)	105 (105)	
240-8	50 (62.5)	53 (66.3)	53 (66.3)	58 (72.5)	58 (72.5)	66 (82.5)	66 (82.5)	66 (82.5)	70 (87.5)	
220-1	75 (75)	80 (80)	80 (80)	88 (88)	88 (88)	95 (95)	95 (95)	95 (95)	100 (100)	
220-8	55 (68.8)	57 (71.3)	57 (71.3)	62 (77.5)	62 (77.5)	70 (87.5)	70 (87.5)	70 (87.5)	75 (93.8)	

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

British Standard Rating per BS 5000

Submittal Data: 240 Volts*, 104.8 kW, 131 kVA, 0.8 P.F., 1800 RPM, 60 Hz, 1 Phase		
Mil-Std-705B		Mil-Std-705B
Method	Description	Value
301.1b	Insulation Resistance	>1.5 Meg
302.1a	High Potential Test	
	Main Stator	1500 Volts
	Main Rotor	1500 Volts
	Exciter Stator	1500 Volts
	Exciter Rotor	1500 Volts
401.1a	Stator resistance - Line to Line	
	Dedicated connection	0.0119 Ohms
	Rotor Resistance	1.35 Ohms
	Exciter Stator	23 Ohms
	Exciter Rotor	0.135 Ohms
410.1a	No Load Exciter Field Amps	
	at 240 Volts Line to Line	1 A DC

Method	Description	Value
505.3b	Overspeed	2250 RPM
601.4a	L-L Harmonic Maximum - Total (Distortion Factor)	5.0%
601.4a	L-L Harmonic Maximum - Single	5.0%
601.1c	Deviation Factor	6.0%
--	Type	MAGNAPLUS
--	Insulation	Class H
--	Coupling - Single Bearing	Flexible
--	Amortisseur Windings	Full
--	Exciter	Rotating
--	Voltage Regulator	SE350
--	Voltage Regulation	1.00%
--	Cooling Air Volume	700 CFM

