

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 362PSL1606
BASE MODEL : 362PSL1606

Winding WC- 1606S

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 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	50 (50)	52 (52)	53 (53)	56 (56)	56 (56)	60 (60)	60 (60)	60 (60)	65 (65)	
440/220-8	36 (45)	38 (47.5)	39 (48.8)	41 (51.3)	41 (51.3)	45 (56.3)	45 (56.3)	45 (56.3)	48 (60)	
400/200-1	45 (45)	47 (47)	48 (48)	51 (51)	51 (51)	55 (55)	55 (55)	55 (55)	60 (60)	
400/200-8	34 (42.5)	35 (43.8)	36 (45)	38 (47.5)	38 (47.5)	41 (51.3)	41 (51.3)	41 (51.3)	44 (55)	

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

British Standard Rating per BS 5000

Submittal Data: 440 Volts*, 39.84 kW, 49.8 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 Low-Zigzag = 0.037 Ohms, Hi-Zigzag = 0.148 Ohms		--	Coupling - Single Bearing	Flexible
	Rotor Resistance	1.2 Ohms	--	Amortisseur Windings	Full
	Exciter Stator	23.5 Ohms	--	Exciter	Rotating
	Exciter Rotor	0.12 Ohms	--	Voltage Regulator	SE350
410.1a	No Load Exciter Field Amps at 220/440 Volts Line to Line	#VALUE!	--	Voltage Regulation	1.00%
			--	Cooling Air Volume	575 CFM

