

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

Page

MODEL : 362PSL1604
BASE MODEL : 362PSL1604

Winding WC- 1604S

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	40 (40)	42 (42)	43 (43)	46 (46)	46 (46)	50 (50)	50 (50)	50 (50)	54 (54)	
440/220-8	31 (38.8)	32 (40)	33 (41.3)	35 (43.8)	35 (43.8)	38 (47.5)	38 (47.5)	38 (47.5)	42 (52.5)	
400/200-1	36 (36)	38 (38)	39 (39)	42 (42)	42 (42)	16 (16)	16 (16)	16 (16)	50 (50)	
400/200-8	28 (35)	29 (36.3)	30 (37.5)	32 (40)	32 (40)	35 (43.8)	35 (43.8)	35 (43.8)	38 (47.5)	

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

British Standard Rating per BS 5000

Submittal Data: 440 Volts*, 36.48 kW, 45.6 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 = 0.052 Ohms, Hi-Zigzag = 0.208 Ohms		--	Amortisseur Windings	Full
	Rotor Resistance	1.05 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

