

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3660

Page

MODEL : 284PSL1518
BASE MODEL : 284PSL1518

Winding WC- 1518

10/31/2001

Kilowatt ratings at kW (kVA)	1500 RPM		50 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	
220-1	16 (16)	17 (17)	17 (17)	19 (19)	19 (19)	21 (21)	21 (21)	21 (21)	24 (24)	
220-8	7 (8.8)	8 (10)	8 (10)	10 (12.5)	10 (12.5)	11 (13.8)	11 (13.8)	11 (13.8)	13 (16.3)	
200-1	20 (20)	21 (21)	21 (21)	23 (23)	23 (23)	25 (25)	25 (25)	25 (25)	27 (27)	
200-8	12.5 (15.6)	13.5 (16.9)	14 (17.5)	15 (18.8)	15 (18.8)	16 (20)	16 (20)	16 (20)	17 (21.3)	

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 16.64 kW, 20.8 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)	8.0%
	Main Stator	1500 Volts	601.4a	L-L Harmonic Maximum - Single	7.0%
	Main Rotor	1500 Volts	601.1c	Deviation Factor	8.0%
	Exciter Stator	1500 Volts	--	Type	MAGNAPLUS
	Exciter Rotor	1500 Volts	--	Insulation	Class H
401.1a	Stator resistance - Line to Line		--	Coupling - Single Bearing	Flexible
	Dedicated connection	0.061 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.857 Ohms	--	Exciter	Rotating
	Exciter Stator	23 Ohms	--	Voltage Regulator	SE350
	Exciter Rotor	0.12 Ohms	--	Voltage Regulation	1.00%
410.1a	No Load Exciter Field Amps at 220 Volts Line to Line	0.8 A DC	--	Cooling Air Volume	200 CFM

