

# MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3660

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MODEL : 284PSL1518  
BASE MODEL : 284PSL1518

Winding WC- 1518

10/31/2001

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	25 (25)	27 (27)	28 (28)	30 (30)	30 (30)	32 (32)	32 (32)	32 (32)	35 (35)	
240-8	16.5 (20.6)	17.5 (21.9)	18 (22.5)	20 (25)	20 (25)	21 (26.3)	21 (26.3)	22 (27.5)	23 (28.8)	
220-1	25 (25)	26 (26)	27 (27)	29 (29)	29 (29)	31 (31)	31 (31)	31 (31)	34 (34)	
220-8	18 (22.5)	19 (23.8)	19 (23.8)	20 (25)	20 (25)	22 (27.5)	22 (27.5)	22 (27.5)	24 (30)	

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

British Standard Rating per BS 5000

Submittal Data: 240 Volts*, 20 kW, 25 kVA, 0.8 P.F., 1800 RPM, 60 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	2250 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 240 Volts Line to Line	0.72 A DC	--	Cooling Air Volume	250 CFM

