

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3660

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MODEL : 281PSL1512
BASE MODEL : 281PSL1512

Winding WC- 1512

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 ∅ Continuous	90° C ∅ Lloyds	95° C ∅ ABS	105° C British Standard	105° C Continuous	130° C ∅ Standby	125° C British Standard	125° C Continuous	150° C ∅ Standby
240-1	7 (7)	7.3 (7.3)	7.3 (7.3)	7.7 (7.7)	7.7 (7.7)	8.2 (8.2)	8.2 (8.2)	8.2 (8.2)	8.5 (8.5)
240-8	4.2 (5.3)	4.5 (5.6)	4.5 (5.6)	4.8 (6)	4.8 (6)	5.1 (6.4)	5.1 (6.4)	5.1 (6.4)	5.3 (6.6)
220-1	6.7 (6.7)	7 (7)	7 (7)	7.5 (7.5)	7.5 (7.5)	8 (8)	8 (8)	8 (8)	8.2 (8.2)
220-8	4.5 (5.6)	4.7 (5.9)	4.7 (5.9)	5 (6.3)	5 (6.3)	5.3 (6.6)	5.3 (6.6)	5.3 (6.6)	5.5 (6.9)

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

British Standard Rating per BS 5000

Submittal Data: 240 Volts*, 4.8 kW, 6 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	0.632 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.43 Ohms	--	Exciter	Rotating
	Exciter Stator	0.23 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	0.35 A DC	--	Cooling Air Volume	250 CFM

