

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 3650

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MODEL : 432PSL6210
BASE MODEL : 432PSL6210

Winding WC- 1904S

11/01/2001

Kilowatt ratings at kW (kVA)	1800 RPM		60 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	
480/240-1	156 (156)	161 (161)	167 (167)	185 (185)	185 (185)	201 (201)	187 (187)	200 (200)	206 (206)	
480/240-8	125 (156)	129 (161)	129 (161)	147 (184)	147 (184)	161 (201)	150 (188)	158 (198)	165 (206)	
440/220-1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
440/220-8	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	

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

British Standard Rating per BS 5000

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)	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 = 0.008 Ohms, Hi-Zigzag =	0.032 Ohms	--	Coupling - Single Bearing	Flexible
	Rotor Resistance	0.841 Ohms	--	Amortisseur Windings	Full
	Exciter Stator	18.5 Ohms	--	Exciter	Rotating
	Exciter Rotor	0.116 Ohms	--	Voltage Regulator	SE350
410.1a	No Load Exciter Field Amps at 240/480 Volts Line to Line	0.72 A DC	--	Voltage Regulation	1.00%
			--	Cooling Air Volume	1020 CFM

