

# MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section

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MODEL : 572RSL4027  
BASE MODEL : 572RSL4027

Winding H-SG 570072S

11/01/2001

Voltage at pf	1800 RPM		60 Hertz			12 LEADS		Single phase connection 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
480/240-1	242 (242)	242 (242)	242 (242)	275 (275)	275 (275)	283 (283)	283 (283)	283 (283)	308 (308)
480/240-8	194 (243)	194 (243)	194 (243)	220 (275)	220 (275)	227 (284)	227 (284)	227 (284)	246 (308)
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

Submittal Data: 480 Volts*, 220 kW, 275 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)	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	MAGNAMAXDVR
	Exciter Rotor	1500 Volts	--	Insulation	Class H
401.1a	Stator resistance - Line to Line		--	Coupling - Single Bearing	Flexible
	Low-Zigzag = 0.0047 Ohms, Hi-Zigzag =	0.0188 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.398 Ohms	--	Exciter	Rotating
	Exciter Stator	23 Ohms	--	Voltage Regulator	DVR2000
	Exciter Rotor	0.045 Ohms	--	Voltage Regulation	0.25%
410.1a	No Load Exciter Field Amps at 240/480 Volts Line to Line	0.7 A DC	--	Cooling Air Volume	1520 CFM

