

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section 6100

Page

MODEL : 433RSL4019
BASE MODEL : 433RSL4019

Winding H-SG 430042S

11/01/2001

Kilowatt ratings at kW (kVA)	1500 RPM		50 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
440/220-1	145 (145)	154 (154)	163 (163)	169 (169)	169 (169)	181 (181)	181 (181)	181 (181)	200 (200)
440/220-8	116 (145)	123 (154)	130 (163)	135 (169)	135 (169)	145 (181)	145 (181)	145 (181)	160 (200)
400/200-1	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
400/200-8	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: 440 Volts*, 135.2 kW, 169 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)	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 = 0.0053 Ohms, Hi-Zigzag =	0.0212 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.286 Ohms	--	Exciter	Rotating
	Exciter Stator	22.5 Ohms	--	Voltage Regulator	DVR2000
	Exciter Rotor	0.022 Ohms	--	Voltage Regulation	0.25%
410.1a	No Load Exciter Field Amps at 220/440 Volts Line to Line	#VALUE!	--	Cooling Air Volume	860 CFM

