

MARATHON ELECTRIC GENERATORS TYPICAL SUBMITTAL DATA

Section

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MODEL : 431PSL6222
BASE MODEL : 431PSL6222

Winding H-SG 430625

11/01/2001

Kilowatt ratings at kW (kVA)	1500 RPM		50 Hertz			4 LEADS		Dedicated single phase Drip-proof 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
220-1	75 (75)	80 (80)	80 (80)	86 (86)	86 (86)	93 (93)	93 (93)	93 (93)	100 (100)
220-8	40 (50)	43 (53.8)	43 (53.8)	48 (60)	47 (58.8)	50 (62.5)	50 (62.5)	50 (62.5)	56 (70)
200-1	75 (75)	80 (80)	80 (80)	86 (86)	86 (86)	93 (93)	93 (93)	93 (93)	100 (100)
200-8	45 (56.3)	50 (62.5)	50 (62.5)	53 (66.3)	53 (66.3)	57 (71.3)	57 (71.3)	57 (71.3)	60 (75)

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

British Standard Rating per BS 5000

Submittal Data: 220 Volts*, 80 kW, 100 kVA, 0.8 P.F., 1500 RPM, 50 Hz, 1 Phase			Submittal Data: 220 Volts*, 80 kW, 100 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	1500 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		--	Coupling - Single Bearing	Flexible
	Dedicated connection	0.0248 Ohms	--	Amortisseur Windings	Full
	Rotor Resistance	0.516 Ohms	--	Exciter	Rotating
	Exciter Stator	18 Ohms	--	Voltage Regulator	SE350
	Exciter Rotor	0.105 Ohms	--	Voltage Regulation	1.00%
410.1a	No Load Exciter Field Amps at 220 Volts Line to Line	0.55 A DC	--	Cooling Air Volume	870 CFM

