

POWER SPECIFICATIONS

SENOGRAPHE DMR

REV. DATE: 12/14/01

VOLTAGE PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS.
 RANGE OF LINE VOLTAGES :
 NOMINAL LINE VOLTAGE OF 200V TO 240V 1 PHASE, 50 OR 60 Hz.

MAXIMUM DAILY VOLTAGE VARIATION MUST FALL WITHIN ONE OF THE RANGES IN TABLE A.

TABLE A
 ALLOWABLE
 INPUT
 VOLTAGES/
 CURRENT
 DEMAND

NOMINAL VOLTAGE	NORMAL RANGE ±10 PERCENT	CURRENT (AMPS)	MINIMUM STANDARD OVERCURRENT PROTECTION
		MOMENTARY	
200	180 - 220	47	30-A
208	187 - 229	45	30-A
220	198 - 242	43	30-A
240	216 - 264	39	30-A

MAXIMUM MOMENTARY LINE CURRENTS INDICATED AT MINIMUM LINE VOLTAGE.

POWER DEMAND INSTANTANEOUS MAX. POWER DEMAND = 8.5 KVA. UP TO 4.5 SECONDS
 7.5 KVA UP TO 10 SECONDS

TABLE B
 MAXIMUM
 MOMENTARY
 POWER
 DEMAND.

DEMAND	SENO DMR
kVa POWER FACTOR AT	8.5 0.61
mA	600
kVp	40



FEEDER TABLE

FEEDER TABLE

REV. DATE: 03/08/04

- CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.
- RECOMMENDED FEEDER SIZES FROM DISTRIBUTION TRANSFORMER TO THE POWER CABINET
- NEUTRAL MUST BE TERMINATED INSIDE THE MAIN DISCONNECT PANEL AND NOT AT ANY GE CABINET.
- THE GROUNDING CONDUCTOR WILL BE OF SAME SIZE AS THE FEEDER WIRES. THIS GROUND WILL RUN FROM THE EQUIPMENT BACK TO THE FACILITY POWER SOURCE/MAIN GROUNDING POINT AND ALWAYS TRAVEL IN THE SAME CONDUIT WITH THE FEEDERS AND NEUTRAL.
- IF THE GENERAL ELECTRIC EQUIPMENT IS BEING FED BY A DELTA SECONDARY, IT IS RECOMMENDED THAT THE B PHASE ON THE SECONDARY BE CONNECTED TO GROUND TO PREVENT DAMAGE TO THE SYSTEM.
- FOR A FULL SYSTEM UPS, REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.
- * MINIMUM WIRE SIZE FOR CIRCUIT BREAKER, BASED ON RECOMMENDED OVERCURRENT PROTECTION.

NOTE : ALL WIRE IMPEDANCES MUST BE 0.2 OHMS OR LESS

RUN LENGTH IN FEET	POWER SUPPLY VOLTAGE			
	180-220 200	187-229 208	198-242 220	216-264 240
	SIZE OF FEEDERS AND GROUND WIRES (AWG)			
50	10	10	10	* 10
100	6	8	8	8
150	4	6	6	6
200	4	4	4	6
250	3	3	4	4
300	2	2	3	4
350	1	2	2	3
400	1	1	2	2
450	1/0	1/0	1	2