



FEEDER TABLE

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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

POWER SPECIFICATIONS

SENOGRAPHE DS/ESSENTIAL

REV. DATE: 01-04-07

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 = 9 KVA UP TO 6 SECONDS
 STANDBY POWER DEMAND = 1.5 KVA

TABLE B
 MAXIMUM
 MOMENTARY
 POWER
 DEMAND.

DEMAND	SENO 2000 DS
kVa POWER FACTOR AT	9 0.6
mA	600
kVp	40