



FEEDER TABLE

FEEDER TABLE – MSK EXTREMITY

- CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.
- RECOMMENDED FEEDER SIZES FROM DIST. TRANS. TO DEDICATED OUTLETS.
- THE GROUNDING CONDUCTOR () SHALL BE COPPER AND WILL RUN IN THE SAME CONDUIT AS THE FEEDERS FROM EQUIPMENT BACK TO THE ROOM POWER SOURCE GROUNDING POINT.
- THE GROUND CONDUCTOR TO BE THE SAME SIZE AS THE FEEDER.
- 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.

RUN LENGTH IN FEET	POWER SUPPLY VOLTAGE									
	180–220 200		187–229 208		342–418 380		360–440 400		374–456 415	
	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND
100	8	(8)	8	(8)	12	(12)	14	(14)	14	(14)
150	6	(6)	6	(6)	10	(10)	12	(12)	12	(12)
200	4	(4)	4	(4)	10	(10)	10	(10)	10	(10)
250	3	(3)	4	(4)	8	(8)	10	(10)	10	(10)
300	2	(2)	3	(3)	8	(8)	8	(8)	8	(8)
350	2	(2)	2	(2)	8	(8)	8	(8)	8	(8)
400	1	(1)	1	(1)	6	(6)	8	(8)	8	(8)
450	1/0	(1/0)	1	(1)	6	(6)	6	(6)	6	(6)

REV. DATE: 04/20/10

POWER SPECIFICATIONS

MSK EXTREMITY

(REV. DATE 04/20/10)

VOLTAGE

PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS.
 RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 200 TO 415, 3 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	ABSOLUTE RANGE	CURRENT (AMPS)	
		MOMENTARY	CONTINUOUS
200	180-220	32	18
208	187-229	31	17
380	342-418	17	9
400	360-440	16	9
415	374-456	15	8

PHASE-BALANCE.

PHASE-TO-PHASE VOLTAGES MUST BE WITHIN 2 PERCENT OF THE LOWEST PHASE-TO-PHASE VOLTAGE. MAXIMUM ALLOWABLE TRANSIENT VOLTAGE EXCURSIONS ARE 1.8 PERCENT OF RATED LINE VOLTAGE AT A MAXIMUM DURATION OF 75 MICROSECONDS AND FREQUENCY OF 10 TIMES PER HOUR.

VOLTAGE TRANSIENT OR IMPULSE ON THE INCOMING POWER MUST BE HELD TO A MINIMUM. TRANSIENTS CAUSED BY LIGHTNING, SURGES, LOAD SWITCHING, STATIC ELECTRICITY ETC. CAN CAUSE SCAN ABORTS OR, IN EXTREME INSTANCES, COMPONENT FAILURE IN THE COMPUTER SUBSYSTEM.

POWER DEMAND

MAXIMUM POWER DEMAND = 11.1 KVA. CONTINUOUS = 6.1 KVA

REFER TO DIRECTION LISTED ON C1 FOR ADDITIONAL INFORMATION.