

POWER SPECIFICATIONS

PET MINITRACE SYSTEM

POWER REQUIREMENTS

THE SUPPLY SHOULD BE COMPLETELY FREE OF NOISE OR TRANSIENTS (ESPECIALLY RF) FROM OTHER ELECTRICALLY OPERATED EQUIPMENT. SURGES, SAGS OR INSTANTANEOUS VARIATIONS IN LINE VOLTAGE FROM EXTERNAL SOURCES MUST NOT EXCEED 5 PERCENT OR HAVE MORE THAN 0.2 SECOND/5 CYCLES DURATION, OR OCCUR MORE THAN TEN TIMES PER HOUR.

CIRCUIT BREAKERS SHOULD HAVE A TIME DELAY OF GREATER THAN ONE CYCLE TO WITHSTAND SWITCH-ON SURGE.

THE FOLLOWING IS SYSTEM POWER REQUIREMENTS:

- o INSTALLED POWER 50 KVA
- o NOMINAL VOLTAGE 480V, 60 Hz OR
380V, 50 Hz
- o WIRE SYSTEM 3 PHASE, 4 WIRE
- o VARIATION OF NOMINAL LINE VOLTAGE $\pm 10\%$

POWER SUPPLY TEST

IT IS RECOMMENDED THAT THE POWER SUPPLY BE MONITORED TO ASCERTAIN THE AVERAGE LINE VOLTAGE, SURGES, SAGS, IMPULSES AND FREQUENCY OF THE SUPPLY VOLTAGE. THE ANALYSIS OF A SIMULATED LOAD, USING A POWER SYSTEMS ANALYZER CAPABLE OF THE ABOVE SPECIFICATIONS, SHOULD BE CARRIED OUT OVER A CONTINUOUS SEVEN DAY PERIOD PRIOR TO INSTALLATION. THE RESULTS OF THIS ANALYSIS SHOULD BE REIVED WITH THE LOCAL SERVICE REPRESENTATIVE TO DETERMINE WHETHER A VOLTAGE/FREQUENCY STABILIZER, POWER LINE PROTECTOR OR FILTERS ARE REQUIRED TO BE INSTALLED BY THE PURCHASER, AS PART OF THE PREINSTALLATION WORK, TO COMPLY WITH THE ABOVE ELECTRICAL REQUIREMENTS.

NOTE: GROUND WIRES ARE TO BE THE SAME
SIZE AS PHASE WIRES.