

	ELECTRICAL SPECIFICATIONS	
13 - ENGINE GENERATORS		
 S. EXAMPLE CHERRATORS VICTO CARLERS MANUFACTURERS BURGED TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS CARLERS MANUFACTURERS BURGED COMPLIANCE COMPLY WITH HERM SINCE COMPLIANCE COMPLIANCE WITH HERM SINCE	<section-header> STARTING SYSTEM: 'BY ELECTRIC WITH MACHINE GROUP.' STARTING SYSTEM: 'BY ELECTRIC WITH MACHINE GROUP.' </section-header>	1.8 2.1 SECT 1.1 A. 1.2 A. B. B. C. C. B. B. B.
 EXPANSION TANK: CONSTRUCTED OF WELDED STEEL PLATE AND RATED TO WITHSTAND MAXIMUM CLOSED-LOOP COOLANT-SYSTEM PRESSURE FOR ENGINE USED. EQUIP WITH GAGE GLASS AND PETCOCK. TEMPERATURE CONTROL: SELF-CONTAINED, THERMOSTATIC-CONTROL VALVE MODULATES COOLANT FLOW AUTOMATICALLY TO MAINTAIN OPTIMUM CONSTANT COOLANT TEMPERATURE AS RECOMMENDED BY ENGINE MANUFACTURER. COOLANT HOSE: FLEXIBLE ASSEMBLY WITH INSIDE SURFACE OF NONPOROUS RUBBER AND OUTER COVERING OF AGING-, UV-, AND ABRASION-RESISTANT FABRIC. RATING: 50-PSIG MAXIMUM WORKING PRESSURE WITH COOLANT AT 180 DEG F, AND NONCOLLAPSIBLE UNDER VACUUM. END FITTINGS: FLANGES OR STEEL PIPE NIPPLES WITH CLAMPS TO SUIT PIPING AND EQUIPMENT CONNECTIONS. MUFFLER/SILENCER: CRITICAL TYPE, SIZED AS RECOMMENDED BY ENGINE MANUFACTURER AND SELECTED WITH EXHAUST PIPING SYSTEM TO NOT EXCEED ENGINE MANUFACTURER'S END FILTER OF THE PIPING SYSTEM TO NOT EXCEED ENGINE MANUFACTURER'S 	 DEVICES AND INCLUDE WINNIG REQUIRED TO SUPPORT SPECIFIED THEMS. LOCATE SENSORS AND OTHER SUPPORTING ITEMS ON ENGINE OR GENERATOR UNLESS OTHERWISE INDICATED. 1.7 GENERATOR OVERCURRENT AND FAULT PROTECTION A. OVERCURRENT PROTECTIVE DEVICES FOR THE ENTIRE EPSS SHALL BE COORDINATED TO OPTIMIZE SELECTIVE TRIPPING WHEN A SHORT CIRCUIT OCCURS. COORDINATION OF PROTECTIVE DEVICES SHALL CONSIDER BOTH UTILITY AND EPSS AS THE VOLTAGE SOURCE. B. GENERATOR CIRCUIT BREAKER: 400A/480V/3P, MOLDED-CASE, THERMAL-MAGNETIC TYPE; 100 PERCENT RATED; COMPLYING WITH UL 489. 1. TRIPPING CHARACTERISTIC: DESIGNED SPECIFICALLY FOR GENERATOR PROTECTION. 2. TRIP RATING: MATCHED TO GENERATOR OUTPUT RATING. 3. SHUNT TRIP: CONNECTED TO TRIP BREAKER WHEN ENGINE GENERATOR IS SHUT DOWN BY OTHER PROTECTIVE DEVICES. 4. MOUNTING: ADJACENT TO, OR INTEGRATED WITH, CONTROL AND MONITORING 	B. C.
 AND FLERVSILENGER. ORTHOAL ITPE, SIZED AS RECOMMENDED BY ENGINE MANUFACTURER'S AND SELECTED WITH EXHAUST PIPING SYSTEM TO NOT EXCEED ENGINE MANUFACTURER'S ENGINE BACKPRESSURE REQUIREMENTS. MINIMUM SOUND ATTENUATION OF (12-18) DB AT 500 HZ. SOUND LEVEL MEASURED AT A DISTANCE OF 25 FEET FROM EXHAUST DISCHARGE AFTER INSTALLATION IS COMPLETE SHALL BE 78 DBA OR LESS. AIR-INTAKE FILTER: STANDARD-DUTY, ENGINE-MOUNTED AIR CLEANER WITH REPLACEABLE DRY-FILTER ELEMENT AND "BLOCKED FILTER" INDICATOR. 	 4. MOUNTING: ADJACENT TO, OR INTEGRATED WITH, CONTROL AND MONITORING PANEL. C. GROUND-FAULT INDICATION: COMPLY WITH NFPA 70 ARTICLE 700, "EMERGENCY SYSTEM" SIGNALS FOR GROUND FAULT. 1. INDICATE GROUND FAULT WITH OTHER ENGINE GENERATOR ALARM INDICATIONS. 2. TRIP GENERATOR PROTECTIVE DEVICE ON GROUND FAULT. 	C.

