

ELECTRICAL SYSTEM

GENERAL

BASIC 28 VOLT DC SYSTEM, (1) GENERATORS 350 AMPS EACH AT 28 VOLTS D.C. (2) INVERTERS OPERATING OFF 28 VOLT DC SYSTEM SUPPLYING 3 PHASE 400 CYCLE 115 VOLT AC POWER. ALSO EMERGENCY AC POWER PROVIDED BY ENGINE DRIVEN ALTERNATORS LOCATED ONE ON EACH OF THE INBOARD ENGINES. (3) 12 VOLT BATTERIES IN SERIES TO PROVIDE 24 VOLTS D.C. (88 AMPHRES)

COMPONENTS

GENERATOR CONTROL UNIT

MAINTAINS CONSTANT VOLTAGE AND EQUALIZES LOAD DIVISION BETWEEN GENERATORS. ALSO CONTROLS OPERATION OF GENERATOR LINE SWITCH RELAY, PERMITTING GENERATOR CONNECTION TO THE BUS, WHEN GENERATOR VOLTAGE EXCEEDS BUS VOLTAGE BY A FIXED AMOUNT. ALSO DISCONNECTS GENERATOR SHOULD LATTER DRAW REVERSE CURRENT OF A SPECIFIED AMOUNT DUE TO LOW VOLTAGE FROM ANY CAUSE. 30V @ 300 AMPS.

W