

CHAPTER 31

AUXILIARY MACHINERY
(PLATES VI-A & VI-B)

31-1 SHIP'S SERVICE GENERATORS:-

Two 100 KW A.C. plus 20 KW D.C. Ship's Service Diesel Generator Sets are furnished each vessel.

Each engine is directly coupled to its generator and the complete unit mounted on a welded steel common sub-base. The Diesel engines are complete with engine driven lube oil, circulating (fresh and sea) water and fuel transfer pumps, lube oil cooler, fuel and lubricating oil strainers and filters, fresh water cooling system and gauge board and wet type mufflers and L.O. low pressure contact makers.

The Diesel engines are arranged for electric starting with starting motor and switch.

The dimensions of the generator sets including sub-base is approximately as follows:

Length, over-all	-	11' - 06"
Height, over-all	-	6' - 00"
Width, over-all	-	3' - 08"

The Diesel generator sets are capable of operating at the following ratings:

Continuous Duty	-	150 BHP at 1200 R.P.M.
Emergency Duty	-	187.5 BHP at 1200 R.P.M.

The available combined kilowatt output of the 100 KW A.C. generator and 20 KW D.C. generator driven by each Diesel engine is commensurate with the above engine horse power ratings under all service duty conditions.

For further details regarding the Ship's Service Generator Sets see Instruction Book furnished the vessel.

The Ship's Service Generators are located in the engine room, compartment B-1, between frames 21 and 23.

For engine room layout, see PLATES VI-A & VI-B.

March 1, 1944

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