

NAME

MOTOR SHIPS

NAME

HANGA

7E

PORT MAIN ENGINE	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
Cylinders, Pistons, Rods, Valves and Gears ¹⁻²												
Connecting Rods, Top ends and Guides ³												
Crankpins and Bearings ⁴												
Journals and Bearings ⁵												
Compressors on Main Engine ^{6a}									Compr. Coolers ¹⁰			
Scavenge Pumps or Blowers ¹¹⁻¹⁶												
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ²¹									Gearing ²²			
Magnetic Coupling ⁷									Air Gap ^k			
Thrust ²³									Intermediate Shafting ²⁴			
Holding Down Bolts & Chocks ²⁵									Engine Tested			
Main Engine Driven Pumps ²⁶	Bilge	S.W. Cooling		F.W. Cooling		Lub. Oil		Fuel				

ELECTRIC PROPULSION

PORT

STARBOARD

Generators ^a	
Exciters ^b	
Air Coolers ^c	
Motors ^d	
Air Coolers ^e	
Control Gear ^f	
Insulation Resistance ^g	
Insulating Oil Test ^h	
Overspeed Governors ⁱ	

AUXILIARY ELECTRICAL EQUIPMENT

225 KW LVP

Generators ¹	
Motors ²	
Switchboards ³	
Circuit Breakers ⁴	
Cables ⁵	
Insulation Resistance ⁶	
Steering Gear ⁷	Navigation Light Indicators ⁸

STARBOARD MAIN ENGINE	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
Cylinders, Pistons, Rods, Valves and Gears ¹⁻²	5.62	5.62 3/60	3/60	5.62 4.61	5.62 3/60	5.62 3/60	5.62 1/61					
Connecting Rods, Top ends and Guides ³	x		x	8.49	x	4.61						
Crankpins and Bearings ⁴	x	x			5.62	x	x					
Journals and Bearings ⁵	4.61		4.61		7.60							
Compressors on Main Engine ^{6a}									Compr. Coolers ¹⁰			
Scavenge Pumps or Blowers ¹¹⁻¹⁶	(Tandem) all 3/60.											
Supercharger ¹⁷												
Clutch or Hydraulic Coupling ²¹									Gearing ²²			
Magnetic Coupling ⁷									Air Gap ^k			
Thrust ²³									Intermediate Shafting ²⁴			
Holding Down Bolts & Chocks ²⁵	3/60.								Engine Tested			
Main Engine Driven Pumps ²⁶	Bilge	S.W. Cooling		F.W. Cooling		Lub. Oil		Fuel				
Bilge (1) Bilge & S. (1)	4.61		Elect. 7.62		Fuel Transfer (2) Bill 4.61		Fuel Service					
Indep. Pumps ²⁷ Cyl. Cooling (2) Bill 4.61	Piston Cooling		Lub. Oil (2) F 4.61 A 4.61-5/62		Fuel Valve Cooling (2) Bill 4.61							
Feed (2) Gas cool. circ. H.P. - 3/60.	Cond. Circulating		F.W. Coolers ²⁸ none		Lub. Oil Coolers ²⁹ (2) S. In + out - 3/60. Bill 4.61							
Other Pumps having Bilge Connections Bilge pump H.P. 4.61	AUX. SW. cooling 4.61		main pump H.P. 4.61		Bilge pump H.P. 4.61							
Bilge, Ballast and O.F. Lines ³⁰									Propellers and Sea Connections ³¹ 3/60.			
Other Piping Arrgts. and Fittings ³²									Steam Pipes Over 3in. Bore ³³ 3/60. due 8/61.			
Condenser ³⁴ (1)	Evaporator ³⁵ (1) Safety Valves ³⁶								Oil Burning Arrgts. ³⁷ 4.61			
Oil Fuel Tanks ³⁸ all part of per H.P. structure 14/5/59.	Boiler H.P. 4.61 Heavy duty 4.61								Fire Ext. Arrgts. ³⁹ 15 H.P. from emergency train pump			
Steering Machy. ⁴⁰	Windlass ⁴¹								Comp. Coolers			
Indep. Air (2) Compressors ⁴² 1 and by clean eng.	P.F. 4.61											
Main Air Receivers ⁴³ (2) P.Y.S. 3/60.	Auxiliary Air Receivers ⁴⁴ (1)											
AUXILIARY ENGINES	3 cyl. Port. 100 KW		3 cyl. Starb. 100 KW		(Port and Starb.) Steam Eng. 25 KW							
2 - 3 cyl. C 100 KW	3/60		3/60									
1 - 3 cyl. C 25 KW	5.62		5.62									



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