

NAME

BERLIN

MOTOR SHIPS

NAME

BERLIN

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 ¹⁻³	1061 2.60	1061 2.60	1061 2.60	562 A-60	562 A-60	562 A-60						
Connecting Rods, Top ends and Guides ⁴	162	11.62 6.60	6.60	5/61	5/61	6.60						
Crankpins and Bearings ⁵	6.60	11.62 2.60	10.61 2.60	6.60	2.60	10/60						
Journals and Bearings ⁶	11.62 6.60	11.62 6.60	5/62 8.39	3.63 162	162	10/60	3.63 5/61	10/60				
Compressors on Main Engine ⁷	Compr. Coolers ⁸											
Scavenge Pumps or Blowers ⁹												
Supercharger ¹⁰												
Clutch or Hydraulic Coupling ¹¹	Gearing ¹²											
Magnetic Coupling ¹³	Air Gap ¹⁴											
Thrust ¹⁵	3.63	X					4.63					
Holding Down Bolts & Chocks ¹⁶	X	1.63					4.63					10/60
Main Engine Driven Pumps ¹⁷	Bilge	S.W. Cooling	F.W. Cooling	Lub. Oil	Fuel							X 1.63

ELECTRIC PROPULSION

Generators ¹	Exciters ²	Air Coolers ³	Motors ⁴	Air Coolers ⁵	Control Gear ⁶	Insulating Oil Test ⁷	Overspeed Governors ⁸
PORT	PORT	PORT	PORT	PORT	PORT	PORT	PORT
Generators ¹	Exciters ²	Air Coolers ³	Motors ⁴	Air Coolers ⁵	Control Gear ⁶	Insulating Oil Test ⁷	Overspeed Governors ⁸
Exciters ²	Air Coolers ³	Motors ⁴	Air Coolers ⁵	Control Gear ⁶	Insulating Oil Test ⁷	Overspeed Governors ⁸	
Air Coolers ³	Motors ⁴	Air Coolers ⁵	Control Gear ⁶	Insulating Oil Test ⁷	Overspeed Governors ⁸		
Motors ⁴	Air Coolers ⁵	Control Gear ⁶	Insulating Oil Test ⁷	Overspeed Governors ⁸			
Air Coolers ⁵	Control Gear ⁶	Insulating Oil Test ⁷	Overspeed Governors ⁸				
Control Gear ⁶	Insulating Oil Test ⁷	Overspeed Governors ⁸					
Insulating Oil Test ⁷	Overspeed Governors ⁸						
Overspeed Governors ⁸							

AUXILIARY ELECTRICAL EQUIPMENT

Generators ¹	Motors ²	Switchboards ³	Circuit Breakers ⁴	Cables ⁵	Insulation Resistance ⁶	Steering Gear ⁷
PORT	PORT	PORT	PORT	PORT	PORT	PORT
Generators ¹	Motors ²	Switchboards ³	Circuit Breakers ⁴	Cables ⁵	Insulation Resistance ⁶	Steering Gear ⁷
Motors ²	Switchboards ³	Circuit Breakers ⁴	Cables ⁵	Insulation Resistance ⁶	Steering Gear ⁷	
Switchboards ³	Circuit Breakers ⁴	Cables ⁵	Insulation Resistance ⁶	Steering Gear ⁷		
Circuit Breakers ⁴	Cables ⁵	Insulation Resistance ⁶	Steering Gear ⁷			
Cables ⁵	Insulation Resistance ⁶	Steering Gear ⁷				
Insulation Resistance ⁶	Steering Gear ⁷					
Steering Gear ⁷						

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 ¹⁻³	1061 11/59	1061 11/59	1061 11/59	1061 12.54	1061 12.54	1061 12.54						
Connecting Rods, Top ends and Guides ⁴	3/61 10/60	10/60 6.60	3/61 11/59	5/62 12/60	5/62 12/60	10/60 12.54						
Crankpins and Bearings ⁵	10/60 6.60	12/60 10/60	10/60 11/59	5/62 12/60	5/62 12/60	3/61 12/60						
Journals and Bearings ⁶	3/61 10/60	5/61 10/60	5/61 11/59	5/62 10/60	5/62 10/60	10/60 6.60	10/60 57/62					
Compressors on Main Engine ⁷	Compr. Coolers ⁸											
Scavenge Pumps or Blowers ⁹												
Supercharger ¹⁰												
Clutch or Hydraulic Coupling ¹¹	Gearing ¹²											
Magnetic Coupling ¹³	Air Gap ¹⁴											
Thrust ¹⁵	12.54	5/62					12.30	4.63				
Holding Down Bolts & Chocks ¹⁶	1.63						4.63					10/60
Main Engine Driven Pumps ¹⁷	Bilge	S.W. Cooling	F.W. Cooling	Lub. Oil	Fuel							X 1.63

Checked plan
to Plan
5/12/12
GTA

Where?
Also see E.B.
arrangement plan
attached

Bilge	Ballast	Fuel Transfer	Fuel Service
Bilge	Ballast	Fuel Transfer	Fuel Service
Ballast	Fuel Transfer	Fuel Service	
Fuel Transfer	Fuel Service		
Fuel Service			

AUX. Air receivers.

(In Am. F.R.)	SO.	SC	STANDARD
3 Spare injection air Receiv. 10000	10000	10000	10000
3 Buffer air receivers. P -	C -	S -	
3 Working air receivers. P -	C -	S -	

