

NAME

## MOTOR SHIPS

NAME

INDIAN REEFER

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 <sup>1,2</sup>	7.60	8/60	7.60	8/60	7/60	12.58						
Connecting Rods, Top ends and Guides <sup>3</sup>	7.60	8/60	7.60	8/60	7/60	12.58						
Crankpins and Bearings <sup>4</sup>	7.60	8/60	7.60	8/60	7/60	12.58						
Journals and Bearings <sup>5</sup>	7/60	7.60	7/60	7.60	7/60	7/60	7/60	7/60				
Compressors on Main Engine <sup>6,9</sup>							Compr. Coolers <sup>10</sup>					
Scavenge Pumps or Blowers <sup>11,16</sup>	12.58											
Supercharger <sup>17</sup>												
Clutch or Hydraulic Coupling <sup>21</sup>						Gearing <sup>22</sup>						
Magnetic Coupling <sup>7</sup>						Air Gap <sup>8</sup>						
Thrust <sup>23</sup>	2.59					Intermediate Shafting <sup>24</sup>						
Holding Down Bolts & Chocks <sup>25</sup>	9.61					Crankcase Relief Devices <sup>21</sup>						
Main Engine Driven Pumps <sup>30</sup>	Bilge					S.W. Cooling		F.W. Cooling		Lub. Oil		Fuel

ELECTRIC PROPULSION	PORT	STARBOARD
Generators <sup>26</sup>		
Exciters <sup>27</sup>		
Air Coolers <sup>28</sup>		
Motors <sup>29</sup>		
Air Coolers <sup>31</sup>		
Control Gear <sup>32</sup>		
Insulation Resistance <sup>33</sup>		
Insulating Oil Test <sup>34</sup>		
Overspeed Governors <sup>35</sup>		

AUXILIARY ELECTRICAL EQUIPMENT	
Generators <sup>36</sup>	LAP 635 kW
Motors <sup>37</sup>	
Switchboards <sup>38</sup>	
Circuit Breakers <sup>39</sup>	
Cables <sup>40</sup>	
Insulation Resistance <sup>41</sup>	
Steering Gear <sup>42</sup>	Navigation Light Indicators <sup>43</sup>

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 <sup>1,2</sup>	8/60	7.60	12.60	8/60	12.58	1.61							
Connecting Rods, Top ends and Guides <sup>3</sup>	8/60	7.60	12.60	8/60	12.58	1.61							
Crankpins and Bearings <sup>4</sup>	8/60	7.60	12.60	8/60	12.58	1.61							
Journals and Bearings <sup>5</sup>	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	
Compressors on Main Engine <sup>6,9</sup>							Compr. Coolers <sup>10</sup>						
Scavenge Pumps or Blowers <sup>11,16</sup>	12.58 flexible Couplings + shock absorbers only 7.60												
Supercharger <sup>17</sup>													
Clutch or Hydraulic Coupling <sup>21</sup>						Gearing <sup>22</sup>							
Magnetic Coupling <sup>7</sup>						Air Gap <sup>8</sup>							
Thrust <sup>23</sup>	12.58					Intermediate Shafting <sup>24</sup>							
Holding Down Bolts & Chocks <sup>25</sup>	9.61					Crankcase Relief Devices <sup>21</sup>							
Main Engine Driven Pumps <sup>30</sup>	Bilge					S.W. Cooling		F.W. Cooling		Lub. Oil		Fuel	
Bilge	SAN (2) S.F. 2.59					Ballast (1) 1.61		Fuel Transfer (1) 1.61		Fuel Service			
Independent Pumps <sup>31</sup>	aft unit 12.58 Cooling SW (2) 1.61 P. 9.61 C. 9.61					Piston Cooling FW (1) S. 19.61 Ch. FW 1.61		Lub. Oil (3) S. 6.61 P. 9.61 C. 9.61		Fuel Valve Cooling			
Feed	Cond. Circulating					F.W. Coolers <sup>35</sup> 9.61		Lub. Oil Coolers <sup>36</sup> 9.61					
Other Pumps having Bilge Connections													
Bilge, Ballast and O.F. Lines <sup>37</sup>	9.61												
Other Piping Arrgts. and Fittings <sup>38</sup>	9.61												
Condenser <sup>39</sup>	Evaporator <sup>40</sup> Safety Valves <sup>41</sup>					Propellers and Sea Connections 12.58, 9/59, 9.61							
Oil Fuel Tanks <sup>42</sup>	9.61 (Only 1 unit)					Steam Pipes Over 3in. Bore 9.61							
Steering Machy. <sup>43</sup>	9.61					Fire Ext. Arrgts. <sup>44</sup> 9.61							
Indep. Air Compressors <sup>45</sup>	F. 1.61 A. 12.58 Hand 9.61					Comp. Coolers							
Main Air Receivers <sup>46</sup>	9.61					Auxiliary Air Receivers <sup>47</sup> 9.61							
AUXILIARY ENGINES	R. 9.61 (v. 1)					R. 9.61 (v. 2)					R. 9.61 (v. 3)		15. KV
3-6 cyl @ 240 kW each	3.58					4/59					4/60.		2.61
1 @ 15 kW	2.61												9.61



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