

TECHNICAL SPECIFICATION OF PORTABLE DIESEL PUMP
CAPACITY: 20 Ton/Hr

Purpose. To pump out bilges from engine room and sea water from flooded compartment and also to fight fire on board sea going ships or floating vessel in case of emergency.

a. **Pump**

1.	Type of the Pump	Horizontal self-priming centrifugal type
2.	Model	To be mentioned
3.	Manufacturer	USA/UK/European origin
4.	Country of origin	USA/UK/European origin
5.	Port of shipment	USA/UK/European Foreign port
6.	Parts Catalogue	To be provided
7.	Operating and maintenance manual	To be provided
8.	Test Trial	The supplier's representative shall ensure satisfactory tests, trial and functioning of the equipment at purchaser's premises.
9.	Standard	IQNET, SQS
10.	Capacity	20 Ton/Hr
11.	Discharge Head	Minimum 10 m
12.	Suction Head	Not less than 10 m
13.	Suction Port diameter	2"
14.	Discharge Port diameter	2"
15.	Drive	Diesel engine driven with direct coupling
16.	Sealing system	Mechanical seal Sil-carb --sill/crab
17.	Priming	Good and dependable self-priming
18.	Operating Pressure	Above 06 bar
	Material of the pump Components	
	(a) Casing	Salt water resistant Aluminium Alloy
	(b) Impeller	Balance Bronze
	(c) Shaft	Stainless steel
	(d) Strainer	Composite Alloy Steel
	(e) Suction/discharge hose material	Material: Manufacturer Standard

b. **Prime Mover (Engine)**

1.	Type	Air-cooled, single cylinder, 4 stroke, direct injection, diesel engine
2.	Model	To be mentioned
3.	Manufacturer	USA/UK/European origin
4.	Number of Cylinder	01
5.	Output	Not less than 5kW/6.7HP
6.	RPM	To be mentioned
7.	Fuel oil and lube oil	Diesel Oil: HSDO or equivalent Lube oil: SAE-40 or equivalent grade which will be easily available in local market
8.	Starting Method	Both hand (with rope) and battery start arrangement

c. **Overall Dimension** To be mentioned.

d. **Overall Weight** To be mentioned.


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