

Reverse Osmosis Water Purification System



PRODUCTION CAPACITY

Ready for immediate deployment. The 2 desalination systems onboard are capable of producing a daily maximum of 300,000 gallons of filtered, desalinated and drinkable water from seawater.

DIMENSIONS

Length: 120ft (36.6m)

Beam: 33ft (10.1m)

Depth: 10½ft (3.2m)

Displacement: 505 tons (513 tonnes)

EQUIPMENT INCLUDED

2 Banks reverse osmosis water purification units

Onboard chlorine manufacturing unit

2 Caterpillar 3406-engined highpressure water-pumps

2 Caterpillar 3406 back-up engines
2 High-pressure back-up pumps
2 Caterpillar 3306 155kW marine generators
20kW Caterpillar marine harbour generator
4 Hydraulic anchor winches and anchors
45t/m Hydraulic crane
2 Electric delivery pumps
2,500ft (762m) electric hose reel with 6" (152.4mm) delivery hose

Anchoring Equipment

Qty 2 port side
Qty 2 Stb Side
Rated 8000 LBs
Wire Rope 600 ft

Anchors 4

Type: 1000Lbs Standard Danforth

Bow Crane

Manufacturer GRU Idrauliche (Morgan Crane Comp)
Type: Single Arm Hydraulic Articulating
41895 Lbs 6ft. 7inch
2,425 Lbs 30 ft.

Raw Water Pumps

Qty 2
Type Centrifugal Direct coupling

Cartridge Filter Assy

Qty 2
Capacity 12 filters

Multimedia Filters

Qty 6

Reverse Osmoses Block X 2

Qty Block of 16 Tubes
Each Tube 5 reverses osmosis Membrane element

Chlorination Unit

Qty 1 Unit

Discharge pumps

Qty 2
Type 421-8B
RPM 1750

GPM 260

Shore Discharge Hydraulic Hose Reel

Material Coflexip
Length 2500 feet

Overhead work electric crane

Make Spanmaster 5tons

Ventilation

Qty 6 Extractors
Qty 2 Blowers

Air Compressor

Bedford Indiana NATLBD 31823

Welding Set

Lincoln

Workshop

Qty 1 Press FAMCO
Qty 1 Pillar Drill Rockwell
Qty 1 Grinding wheel Baldor
Qty1 Vice
Qty1 Work bench

Accommodation

Bunk beds Qty 3 sleeps 9
Fridge freezer Qty 1
Washing Machines Qty 2

High pressure pump

Type Roto-jet V belt deven
Rating 350 gpm(1325(L/min) at 805psi (5550 Kpa)
HP/RPM: 260 BHP/4380 rpm

Main RO Pumps 1

Type Diesel :
Power Rated 325hp @2100rpm/ 250hp/1800rpm
Engine Model 3406 DI
Serial N0: 6TB02014
Arrangement N0. 4W 841
Total Hrs 841







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