



M/V Pacific Parakeet

- ▶ **Bollard Pull** 53-66 tonnes
- ▶ **Brake Horsepower** 4826-5147 BHP
- ▶ **Clear Deck Space** 275-330 m²
- ▶ **Winch Line Pull** 150 tonnes

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Clear Deck Space	275-330 m ²	Winch Line Pull	150 tonnes

General Information

Built:	Labroy Shipyard Singapore, December 2005
Flag:	Singapore
Call Sign:	9V6635
IMO No.:	9333943
Classification:	DNV-GL +1A1 Fire fighter(I) Tug DYNPOS(AUT) E0 SF

Dimensions

Length, overall:	56.0 metres
Length, BP:	48.8 metres
Breadth, moulded:	13.5 metres
Depth, main deck:	6.0 metres
Design draft:	5.1 metres
GT:	1197
NT:	403

Capacities

Deadweight (maximum):	1200 tonnes
Clear Deck Area:	29.5 m x 11 m = 324.5 m ²
Deck Strength:	General deck - 5 tonnes/m ² Aft A/H deck - 10 tonnes/m ²
Deck Cargo:	500 tonnes
Fuel:	488 m ³ at 100%, 415 m ³ at 85% (dedicated tanks) 809 m ³ at 100%, 687 m ³ at 85% (dedicated tanks + multi use)
Potable Water:	419 m ³ (dedicated FW tanks)
Ballast Water:	129 m ³ (dedicated Ballast/DW tanks) 548 m ³ (total FW + DW/Ballast tanks)
Brine / DMA / Glycol / Liquid Mud:	107 m ³ (s.g. 2.5) (2 tanks - separate from mud tanks)
Liquid Mud:	214 m ³ (s.g. 2.5) (4 tanks)
Dry Bulk:	131 m ³ (4 tanks)
Ship's Stores:	Chiller storage - 10 m ³ Freezer storage - 6.5 m ³ Dry Provisions storage - 10 m ³

Machinery

Main Engines:	2 x 1800 kW = 3600 kW (4826 BHP) Bergen C25:32L6P
Propulsion:	2 x CPP propellers in Kort nozzles 2 x Ulstein high lift independent rudders 2 x Electro-hydraulic steering gear
Bow Thrusters:	1 x 500 kW (670 BHP) producing 7 tonnes thrust
Stern Thrusters:	1 x 500 kW (670 BHP) producing 7 tonnes thrust
Shaft Generators:	2 x 1250 kVA x 440V, 60Hz
Auxiliary Generators:	2 x 270 kW Caterpillar 3406 DITA

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Towing and Anchor Handling

Bollard Pull:	63.79 MT, continuous
Main Winch:	1 x Brattvaag SL 150W-B2T double drum low pressure winch
Load Capacity:	Towing / A/H drums 1st layer 150 tonnes at 7.2 m/min 90 tonnes at 10.9 m/min 35 tonnes at 21.9 m/min
Brake Capacity:	250 tonnes on towing drum 1st layer 250 tonnes on A/H drum 1st layer
Tow Drum Wire Capacity:	64 mm x 1100 m
Work Drum Capacity:	64 mm x 1100 m
Chain Gypsy Cable Lifter:	1 x 3 inch chain gypsy
Stern Roller:	1 x 2 m diameter x 4 m width, SWL 250 tonnes
Tow Pins / Guide Pins:	1 x set Karmoy, remotely controlled from Wheelhouse & Main Deck
Wire Chain Stopper:	1 x retractable Karmoy, SWL 250 tonnes, controlled from wheelhouse & Main Deck
Spare Reel Capacity:	64 mm x 1100 m

Deck Machinery

Tuggers:	1 x 10 tonnes Brattvaag
Capstans:	2 x 6 tonnes Brattvaags
Windlass:	7.2 tonne pull Brattvaag, 2100 kg high holding power anchors 450 m x 32 mm chain each side.
Bow Mooring:	1 x mooring drum capacity 150 m x 38 mm synthetic rope
Crane Capacity:	1.5 Tonnes at 5.7 m radius

Electronics

Main Radar:	X-Band ARPA FURUNO FR-2115, 21" coloured
Auxiliary Radar:	X-Band, FURUNO FR-1510 Mk3, 15"
Auto Pilot:	ROBERTSON AP9 Mk3
Gyro Compass:	1 x Tokimec TG8000, with repeaters
Magnetic Compass:	1 x Cassen & Plath
Echo Sounder:	Furuno FE-700
DGPS :	Furuno, GP-90
Anemometer :	1 Gill Ultrasonic Wind Observer II 1 Young Wind Tracker Model 06206
Communications:	G.M.D.S.S. (Global Maritime Distress & Safety System) Area A3 2 x VHF 2 x Inmarsat C 3 x VHF (portable) 1 x EPIRB 1 x Navtex MF/HF SSB Telephone: Furuno FS-2570C, DSC & multiwatch
Weather Fax:	Furuno, Fax-207, 8 inch

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Satellite Communication: FBB: Sailor 500
 AIS: Furuno FA-100

Discharge Pumps

Fuel Oil: 80 m³/hr
 Dirty Oil: 1 x 2.0 m³/hr - 2.0 bar
 Potable Water: 80 m³/hr
 Drill Water: 80 m³/hr
 Liquid Mud: 1 x 75 m³/hr - 15.0 bar
 Brine / Mud: 1 x 75 m³/hr - 15.0 bar
 Dry Bulk: 80 m³/hr - 5.6 bar, 80 psi, 2 compressors
 Cargo Flow Meters : Fuel Oil and Fresh Water
 Hose Connections : Fuel - 3" Camlock
 Potable Water - 3" Camlock
 Drill Water - 4" Camlock
 Liquid Mud - 4" Camlock
 Dry Bulk - 5" Camlock
 Adapters 4"-5", 5"-4", 4"-3" & 3"-4"

Performance

Speed / Fuel Consumption: Maximum Speed at 13.6 kts free running at 100% MCR - consumption 14 m³ (consumption on actual tests loaded at 4.8 m drafts).
 Economical Speed at 10 kts free running 10 m³ / day (vessel fully loaded at 5 m drafts)
 Idle at sea - approximate fuel consumption 2.3 m³ per day
 Idle in port - approximate fuel consumption 0.8 m³ per day

Dynamic Positioning

Type: GE Power Conversion Simplex Dynamic Positioning System (DPS) "C Series"
 Reference Systems: 2 Differential GPS
 1 Fan beam interface
 1 Cyscan laser interface
 Control Modes: Joystick Manual/Auto Heading, Dynamic Positioning, Mode Control, Simulation, DP Minimum Power, Auto Track, Ship Follow.
 Joystick: Independent

External Fire Fighting

Capacity: 2 x 1200 m³/hr = 2400 m³/hr
 Monitors: 2 x 1200 m³/hr mounted on wheelhouse top, remotely controlled from wheelhouse
 Throw Length: 120 m
 Throw Height: 50 m

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Standby Rescue Equipment

1. 1 x Maritime Partner Weedo 17, 6 persons, SOLAS approved Rescue Boat with 2 x petrol outboards propulsion.
Spare engine: 2 x petrol outboards propulsion
2. Rescue Zones on both Port and Starboard side, main deck, with scrambling net and personnel transfer swing ropes.

Anti-Pollution

Dispersant Tank:	10.6 m3
Spray Booms:	2 x 6 m

Accommodation

Berths:	4 x 1 (single) berths 5 x 2 (double) berths 2 x 4 (four) berths 22 berths Total 1 x messroom 1 x galley 1 x recreation room All living space fully air-conditioned, design 45 deg C outside, 25 deg C inside
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Environmental Features

1. Cylindrical mud tank free flowing design with external stiffening, sloped floors and dedicated recirculation pumps.
2. Cargo load/discharge stations with save all to inboard tank.
3. Low residue design bulk tanks.
4. 1 x 15 ppm oily water separator.
5. 1 x sewage plant, extended aeration type.
6. Macerator fitted in galley. Provision for recycling of waste.

Miscellaneous

1. FuelTrax Marine Fuel Monitoring System.
2. Design complies to latest rules and regulations from SOLAS 2000, and IMO 469 (XII) "Guidelines for the design and construction of offshore supply vessel".
3. Bulk systems remotely controlled from wheelhouse.
4. Fitted with water lubricated rubber pusher bow.
5. Fitted with 4 halogen searchlights, each 2000W, wheelhouse top and manually operated from inside wheelhouse, 6 x 1000W flood-lights, for cargo deck.
6. Deck power supplies:
1 x 1000A x 440V x 3ph
1 x 63A x 440V x 3ph
1 x 32A x 220V x 1ph

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7. Wood sheathed main deck except for aft area, which is steel plated for anchor-handling. Supplied with Anchor Grapnel.
8. Welding and cutting equipment and lathe in workshop.
9. Fresh water ultra violet sterilizer.
10. Fire detection system fitted to the accommodation, engine room and all other spaces.
11. CO2 fire extinguishing system fitted in the engine room / paint locker / hydraulic pump room.
12. Statutory liferafts, life-jackets, pyrotechnics.
13. Removable crash rail section on main deck to facilitate R.O.V. operations.