



Anchor Handling Tug Supply Vessels - Pacific Patriot

The P Class vessels offer excellent value to clients because of the fuel efficient design. As with the majority of the fleet, these vessels are equipped with a high specification 150-tonne line pull anchor handling and towing winch system. These lower horsepower offshore vessels offer the versatility to carry out a wide range of tasks, from supporting tanker offtakes, ROV spreads to FPSO positioning and construction support.

The P Class vessels are:

Pacific Panda	Pacific Patriot	Pacific Phoenix
Pacific Papillon	Pacific Peacock	Pacific Porpoise
Pacific Parakeet	Pacific Pelican	Pacific Python
Pacific Parrot	Pacific Petrel	

Top Features

1. High specification winch and line pull.
2. Ideal for field support and towing operations.
3. Full DYNPOS AUT classification.

Key Specifications

- Bollard Pull - 61.86 t
- Free Deck Area - 324.5 m²
- Brake Horsepower - 4826 bHP
- Winch Line Pull - 150 t



General Information	
Vessel Name	Pacific Patriot
Built	Labroy Shipbuilding & Engineering Pte Ltd, August 2004
Flag	Singapore
Call Sign	9VCT8
IMO No.	9314480
Classification	
Class Notation	DNV-GL +1A1 Fire fighter(I) Tug DYNPOS(AUT) SF
Dimensions	
Length (LOA)	56.0 m
Beam	13.5 m
Summer Draft	5.14 m
Deadweight @ SummerDraft	1356 t
GT	1215
Deck Capacities	
Deck Load Capacity	510 t
Deck Strength	5 t/m ² - General Deck
Free Deck Area	324.5 m ²
Length x Width	29.5 x 11 m
Tank Capacities	
NLS	See brine/mud
Brine / Mud	107 m ³ Brine (Multi usage tanks) 215 m ³ Mud (Multi usage tanks)
Drill / Ballast Water	453 m ³ (multi usage tanks, 131 m ³ dedicated)
Dry Bulk	122 m ³ (In 4 dedicated tanks)
Fresh Water	415 m ³
Fuel Dedicated	528 m ³
Fuel Total	850 m ³

Tank Capacities Details	Refer to Tank Capacities Table
Drilling Brine	See brine/mud
Propulsion / Bollard Pull	
Main Engines	2 x Bergen C25:33L6P diesel engines each 1800 kW = 3600 kW (4826 bHP), Twin CPP propellers in KORT nozzles with Hi-lift flap rudders
Thrusters	1 x Bow tunnel 500 kW / 670 bHP 1 x Stern tunnel 500 kW / 670 bHP
Bollard Pull	61.86 t @ 100% MCR
Deck Equipment	
Anchor Handling Winch	1 x AH winch 150 t 1st layer @ 0-7.2 m/min Wire capacity 1200 m of 64 mm dia.
Towing Pins	2 x Karmoy 160 t SWL
Shark Jaws	1 x Karmoy 300 t SWL
Stern Roller	RRM 2.0 m x 4.0 m @ 250 t SWL
Capstans	2 x capstans with 1 x fixed wrapping 410 mm x 575 mm @ 6 t at 0-35 m/min
Tugger Winches	1 x 10 t pull at approx. 0-18m/min, 250 m of 18 mm wire
Provision Crane	Electric Hydraulic, telescopic Boom SWL 3.5 t Maximum boom out reach 7 m (0 Degrees) minimum out reach 1.9 m
Chain Gypsies	1 x 76 mm mounted on work drum
Performance & Economy	
Economical Speed	Approx. 10.5 m ³ /Day @ 10 knots
DP<20%	Approx. 4 m ³ /Day

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DP>35%	Approx. 6.5 m ³ /Day
Standby in Field	Approx. 4 m ³ /Day
Standby in Port	Approx. 1 m ³ /Day
Note	Performance & Economy figures are given at mean vessel draft of 4.5 m (925 t deadweight) & Beaufort Scale 2
Dynamic Positioning System	
Type	GE DPS-11 Simplex DP System
Reference Systems	1 x Fanbeam 1 x Veripos DGPS
Motion Reference Units	1 x VRU 2 x Anemometers 2 x Gyros Compasses
Rescue Boat	
1. 1 x Maritime Partner Weedo 17, 6 person, SOLAS approved Rescue boat with 2 x petrol outboards	
Accommodation	
Person Capacity	Total 22 4 x 1man cabin 5 x 2man cabins (Including hospital) 2 x 4man cabins

Tank Capacities Table

P Class (UT Design) Tank Capacities @ 100%						
Tank	Volume	WB/DW	FW	FO	Brine	Mud
1 Forepeak	42.5		42.5			
2 DB/Wing Tk 1S	72.6		72.6			
3 DB/Wing Tk 1P	72.1		72.1			
4 DB/Wing Tk 2S	25.4	25.4				
5 DB/Wing Tk 2P	27.6	27.6				
6 DB/Wing Tk 3S	37.3			37.3		
7 DB/Wing Tk 3P	36.8			36.8		
8 DB/Wing Tk 4S	32.9			32.9		
9 DB/Wing Tk 4P	28.9			28.9		
10 DB/Wing Tk 5S	69.8			69.8		
11 DB/Wing Tk 5P	69.8			69.8		
12 DB/Wing Tk 6S	59.7			59.7		
13 DB/Wing Tk 6P	59.7			59.7		
14 DB/Wing Tk 7S	47.2			47.2		
15 DB/Wing Tk 7P	47.2			47.2		
16 DB/Wing Tk 8S	31.9		31.9			
17 DB/Wing Tk 8P	31.9		31.9			
18 DB/Wing Tk 9S	82		82			
19 DB/Wing Tk 9P	82		82			
20 Aft Peak S	39	39				
21 Aft Peak P	39	39				
22 Tk 1S	53.7	53.7		53.7	53.7	
23 Tk 1P	53.7	53.7		53.7	53.7	
24 Tk 2S	53.7	53.7		53.7		53.7
25 Tk 2P	53.7	53.7		53.7		53.7
26 Tk 3S	53.7	53.7		53.7		53.7
27 Tk 3P	53.7	53.7		53.7		53.7
29 FO Settling Tk	12.5			12.5		
30 FO Service Tk S	12.8			12.8		
31 FO Service Tk P	13.2			13.2		
Dedicated Tanks:	@ 100%	131	415	527.8		
With Multiuse Tanks:	@ 100%	453.2		850	107.4	214.8
		WB/DW	FW	FO	Brine	Mud
Bulk Capacity of 122.4 m³ in four dedicated tanks						

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