



Anchor Handling Tug Supply Vessels - Pacific Retriever

Built to an advanced UT738 design, the R Class vessels are multi-purpose anchor handlers, designed to support jack-up rigs and offshore installations. With a large accommodation capacity, plenty of clear back deck space, as well as Dynamic Positioning (DP) capabilities, these vessels have proven to be versatile in a number of offshore applications including ROV operations.

The R Class vessels are:

- Pacific Raider Pacific Runner
- Pacific Rapier
- Pacific Responder
- Pacific Retriever

Top Features

1. Large accommodation.
2. Ideal for towing & supporting jack-up rigs.
3. Good station keeping during operations.
4. Ideal for ROV operations.

Key Specifications

- Bollard Pull - 76 t
- Free Deck Area - 414 m²
- Brake Horsepower - 7200 bHP
- Winch Line Pull - 150 t



General Information	
Vessel Name	Pacific Retriever
Built	INP Heavy Industries Co. Ltd, Ulsan, South Korea, April 2002
Flag	Singapore
Call Sign	S6GS4
IMO No.	9236810
Classification	
Class Notation	DNV-GL +1A1 Tug DYNPOS(AUTR) E0 SF
Dimensions	
Length (LOA)	64.3 m
Beam	15.0 m
Summer Draft	5.70 m
Deadweight @ SummerDraft	2117 t
GT	1797
Deck Capacities	
Deck Load Capacity	930 t
Deck Strength	5 t/m ² - Main Deck
Free Deck Area	414 m ²
Length x Width	34.5 x 12 m
Tank Capacities	
NLS	See brine/mud
Brine / Mud	140 m ³ Brine (Multi usage tanks) 562 m ³ Mud (Multi usage tanks, dedicated 422 m ³)
Drill / Ballast Water	565 m ³
Dry Bulk	187 m ³ (In 4 dedicated tanks)
Fresh Water	579 m ³
Fuel Dedicated	496 m ³ (Dedicated)
Fuel Total	918 m ³
Tank Capacities Details	Refer to Tank Capacities Table

Drilling Brine	See brine/mud
Ballast Water	565 m ³
Drill Water	565 m ³
Propulsion / Bollard Pull	
Main Engines	2 x Bergen diesel engines each 2685 kW = 5370 kW (7200 bHP), 2 x CPP propellers in KORT nozzles, with Hi-lift flap rudders
Thrusters	2 x Bow tunnel 590 kW / 791 bHP 2 x Stern tunnel 590 kW / 791 bHP
Bollard Pull	76 t @ 100 % MRC
Deck Equipment	
Anchor Handling Winch	1 x AH winch 150 t 1st layer @ 0-5.7 m/min Wire capacity 1400 m of 56 mm dia.
Towing Pins	2 x Karmoy 160 t SWL
Shark Jaws	1 x Karmoy 300 t MBL
Stern Roller	RRM 2.0 m x 4.0 m @ 250 t SWL
Capstans	2 x RRM 10 t @ 0-20 m/min, Light line 0-22 m/min
Tugger Winches	2 x RRM 6 t @ 0-17 m/min Storage capacity 250 m of 18 mm dia. Wire Light line 0-55 m/min
Provision Crane	Electric Hydraulic, Fixed Boom Capacity 2 t @ 10 m
Chain Gypsies	1 x 76 mm mounted on work drum
Performance & Economy	
Economical Speed	Approx. 10.7 m ³ /Day @ 10kts
DP<20%	Approx. 7.6 m ³ /Day
DP>35%	Approx. 11 m ³ /Day

All the information in this document are provided in good faith without any guarantee. No warranty is made, and no liability is assumed, in respect of the accuracy or completeness of any information in this document, which may be subject to change without prior notice. Please contact Swire Pacific Offshore Operations Pte Ltd to verify the information in this document prior to using or relying on any of the information in this document.

Rev 4.0 27/11/2019

Standby in Field	Approx. 4 m ³ /Day (one engine running)
Standby in Port	Approx. 1.2 m ³ /day
Note	Performance & Economy figures are given at mean vessel draft of 5.0 m (1525 t deadweight) & Beaufort Scale 2
Dynamic Positioning System	
Type	Alstom Dual Redundant ADP 21 DP System
Reference Systems	2 x DGPS 1 x Cyscan Guidance
Motion Reference Units	2 x Gyro Compasses 2 x Ultrasonic Wind sensors 2 x VRU
Rescue Boat	
1. 1 x Maritime Partner MP660 Springer, 10 person, SOLAS approved FRB with inboard diesel waterjet	
Accommodation	
Person Capacity	Total 29 9 x 1man cabin 10 x 2man cabins (Including hospital)

Tank Capacities Table

R Class Tank Capacities @100%						
Tank	Volume	WB/DW	FW	FO	Brine	Mud
1 Forepeak	71.2	71.2				
2 DB/Wing Tk 1P	120.4		120.4			
3 DB/Wing Tk 1S	139		139			
4 DB/Wing Tk 2P	51.8	51.8				
5 DB/Wing Tk 2S	55.9	55.9				
6 DB/Wing Tk 3P	96			96		
7 DB/Wing Tk 3S	66.7			66.7		
8 FO Service Tk Port	24.6			24.6		
9 FO Service Tk Stbd	24.6			24.6		
10 DB/Wing Tk 4P	124.8			124.8		
11 DB/Wing Tk 4S	124.8			124.8		
12 DB/Wing Tk 5P	120.5	120.5				
13 DB/Wing Tk 5S	130.8	130.8				
14 DB/Wing Tk 6P	45.9		45.9			
15 DB/Wing Tk 6S	45.6		45.6			
16 Stability Tank	134.6	134.6				
17 Wing Tk 7P	79.7		79.7			
18 Wing Tk 7S	79.7		79.7			
19 Aft Peak P	33.7		33.7			
20 Aft Peak S	34.8		34.8			
21 FO Settling Tk	34.4			34.4		
22 Glycol Tk 2	69.9				69.9	69.9
23 Glycol Tk 1	69.9				69.9	69.9
24 Mud Tk 2	70.3			70.3		70.3
25 Mud Tk 1	70.3			70.3		70.3
26 Mud Tk 4	70.3			70.3		70.3
27 Mud Tk 3	70.3			70.3		70.3
28 Mud Tk 6	70.3			70.3		70.3
29 Mud Tk 5	70.3			70.3		70.3
Dedicated Tanks:	@ 100%	564.8	578.8	495.9		
With Multiuse Tanks:	@ 100%			917.7	139.8	561.6
		WB/DW	FW	FO	Brine	Mud
Bulk Capacity of 186.8 m³ in four dedicated tanks						

All the information in this document are provided in good faith without any guarantee. No warranty is made, and no liability is assumed, in respect of the accuracy or completeness of any information in this document, which may be subject to change without prior notice. Please contact Swire Pacific Offshore Operations Pte Ltd to verify the information in this document prior to using or relying on any of the information in this document.

Rev 4.0 27/11/2019