

Platform Supply Vessels - Pacific Hornbill

The H Class vessels boast of over 4600-tonne deadweight cargo carrying capacity to support offshore platforms, DP drill ships, semi-submersibles or jack ups supply. With its large deck area and accommodation capacity of 44 persons, the vessel is able to support offshore construction work as well. This Class is also fitted with LFL* (methanol) tanks. The four-engine diesel electric power generation plant in addition to the high efficiency of the Rolls-Royce "Contra Rotating" propellers provides very economical fuel operations. The H Class is certified by DNV GL for "Clean Design", resulting in lower emissions to atmosphere from all machinery including refrigerant gases. Its large deck capacity makes this Class of vessels very adaptable to support survey work as well.

The H Class vessels are:

- Pacific Harrier
- Pasifik Hawk
- Pacific Heron
- Pacific Hornbill

Top Features

1. Certified for methanol carriage.
2. Large liquid & dry bulk cargo capacity.
3. Quiet & comfortable accommodation.
4. Highly fuel efficient.

Key Specifications

- Free Deck Area - 1000 m²
- Brake Horsepower - 8927 bHP
- Deadweight - 4702 t
- Deck Load Capacity - 2400 t



General Information	
Vessel Name	Pacific Hornbill
Built	USC Japan, August 2012
Flag	Republic of China (R.O.C.)
Call Sign	BQ3084
IMO No.	9579119
Classification	
Class Notation	CR100 + E Fire-fighting Ship 1, OSV, NR-1, SPS, DPS-11, BWM, EEDI, SEEMP CMS(CAU) + NAVO
Dimensions	
Length (LOA)	88.1 m
Beam	19.0 m
Summer Draft	6.6 m
Deadweight @ SummerDraft	4702 t
GT	4059
Deck Capacities	
Deck Load Capacity	2400 t
Deck Strength	10 t/m ² - Aft of frame 30 5 t/m ² - Fwd of frame 30
Free Deck Area	1000 m ²
Length x Width	62 x 16.13 m
Tank Capacities	
Base Oil	306 m ³ (Multi usage tanks, dedicated 139 m ³)
NLS	See brine/mud
Brine / Mud	979 m ³ (Multi usage)
Drill / Ballast Water	3592 m ³ (Multi usage tanks, dedicated 2612 m ³)
Dry Bulk	321 m ³
Fresh Water	597 m ³
Fuel Dedicated	814 m ³

Fuel Total	953 m ³ (including BO tanks)
Tank Capacities Details	Refer to Tank Capacities Table
Drilling Brine	See brine/mud
Ship Fuel Dedicated	N/A - See Cargo fuel dedicated
Ship Fuel Total	N/A - See Cargo fuel total
Cargo Fuel Dedicated	814 m ³ (Dedicated tanks)
Cargo Fuel Total	953 m ³ (Multiuse tanks)
Ballast Water	3592 m ³ (Multi usage tanks, dedicated 2612 m ³)
Drill Water	3592 m ³ (Multi usage tanks, dedicated 2612 m ³)
Special Liquids	167 m ³ (Methanol)
Propulsion	
Main Generator	4 x Wartsila 9L20 each 1665 kW = 6660 kW (8927 bHP) driving AVK generators each 1600 ekW
Propulsion Thruster	2 x 2200 kW / 2949 bHP RRM Contaz 15 azimuth thrusters
Thruster	1 x RRM bow tunnel 880 kW / 1180 bHP 1 x RRM bow azimuth 880 kW / 1180 bHP
Deck Equipment	
Capstans	2 x ODIM hydraulic driven, capacity 10 t @ 0-24 m/min
Tugger Winches	2 x ODIM electric driven, portable radio controlled Capacity 1st layer 10.3 t @ 0-19 m/min Storage capacity 240 m of 19 mm dia. Wire.
Provision Crane	2 x electric-hydraulic type cranes: 1 x Capacity 1 t @ 10 m. 1 x Capacity 5 t @ 10 m.
Performance & Economy	
Economical Speed	Approx. 13 m ³ /day @ 10kts

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DP<20%	Approx. 4.0 m ³ /day
DP>35%	Approx. 5.5 m ³ /day
Standby in Field	Approx. 3.0 m ³ /day in DP
Standby in Port	2.1 m ³ /day
Note	Performance & Economy figures given at mean vessel draft of 5.5 m (3100 t deadweight) & Beaufort Scale 4
Dynamic Positioning System	
Type	GE Energy C-series DPS-21 Duplex with independent joystick back-up system
Reference Systems	2 x Veripos DGPS 1 x RadaScan Guidance 1 x CyScan Guidance 2 x Sonardyne HPR prepared
Motion Reference Units	3 x Yokogawa Gyro Compasses 2 x Wind Sensor Gill 3 x VRU TSS DMS
Rescue Boat	
1. 1 x Norsafe Merlin 615, max 13 person, SOLAS approved FRB with inboard diesel waterjet.	
Accommodation	
Person Capacity	Total 44 10 x 1man cabin 17 x 2man cabins (Excluding hospital)

Tank Capacities Table

H Class Tank Capacities @ 100%								
Tank	Volume	WB/DW	FW	FO	Mud	Brine	Base Oil	Methanol
1 Forepeak	101.5	101.5						
2 DB/Wing Tk 2S	68.1		68.1					
3 DB/Wing Tk 2P	66.2		66.2					
4 DB/Wing Tk 3S	92.5	92.5						
5 DB/Wing Tk 3P	83.8	83.8						
6 Wing Tk 4S	83.3	83.3						
7 DB/Wing Tk 4P	136.5	136.5						
8 DB Tk 4S	53.2	53.2						
9 Water Mist Tk	72.4		72.4					
10 DB/Wing Tk 5S	194.6	194.6						
11 DB/Wing Tk 5P	194.6	194.6						
12 DB/Wing Tk 6S	197.8	197.8						
13 DB/Wing Tk 6P	204.3	204.3						
14 DB/Wing Tk 7S	72.2		72.2					
15 DB/Wing Tk 7P	71.8		71.8					
16 DB/Wing Tk 9S	83	83						
17 DB/Wing Tk 9P	83	83						
18 DB/Wing Tk 10S	70.4		70.4					
19 DB/Wing Tk 10P	70.4		70.4					
#20 DB/Wing Tk 11S	53.1		53.1					
21 DB/Wing Tk 11P	53.1		53.1					
22 Aft Peak S	122.1	122.1						
23 Aft Peak P	113.5	113.5						
24 Cofferdam	186.8	186.8						
25 Stability 1	291.8	291.8						
27 Stability 3	197.3	197.3						
28 Mud 1S	132.1	132.1			132.1	132.1		
29 Mud 1P	132.1	132.1			132.1	132.1		
30 Mud 2S	132.1	132.1			132.1	132.1		
31 Mud 2P	132.1	132.1			132.1	132.1		
32 Mud 3S	132	132			132	132		
33 Mud 3P	132	132			132	132		
34 Mud 4S	93.6	93.6			93.6	93.6		
35 Mud 4P	93.6	93.6			93.6	93.6		
42 Centre Tk 5S	231.8			231.8				
43 Centre Tk 5P	218			218				
44 Centre Tk 6S	174			174				
45 Centre Tk 7P	61.4			61.4				
46 Base Oil S	69.6			69.6			69.6	
47 Base Oil P	69.6			69.6			69.6	
49 Centre Tk 6P	88.2			88.2				
50 FO Service 1	18.8			18.8				
51 FO Service 2	13.3			13.3				
52 Methanol S	83.7						83.7	83.7
53 Methanol P	83.7						83.7	83.7
71 FO Settling	8.6			8.6				
86 Tk 10S	96.29	96.29						
87 Tk 10P	96.29	96.29						
Dedicated Tanks:	@ 100%	2612.18	597.7	814.1				
With Multiuse Tanks:	@ 100%	3591.78		953.3	979.6	979.6	306.6	167.4
		WB/DW	FW	FO	Mud	Brine	Base Oil	Methanol
Bulk Capacity of 321.5 m ³ in six dedicated tanks								

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