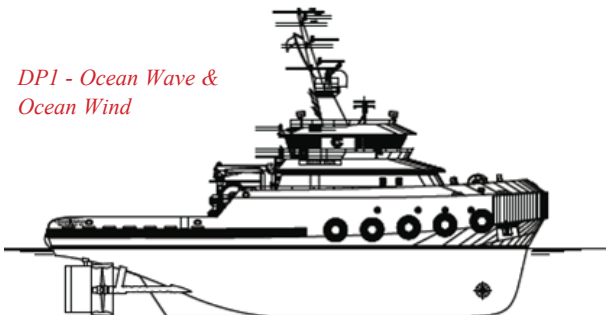


OCEAN CLASS DP1 & DP2

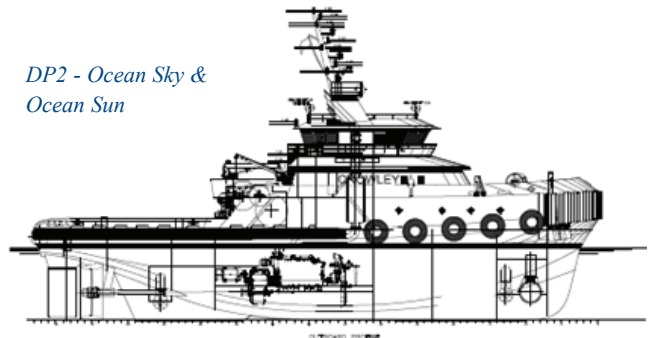


The ocean-class vessels are twin screw with controllable pitch propellers (CPP), in nozzles with independent high lift rudders. Their hulls are welded steel construction and each is outfitted for long range ocean towing, dynamic positioning, firefighting and general purpose vessel requirements. The vessels are transverse framed with transverse and longitudinal bulkheads and is designed with all tanks containing oil and oil traces inboard of the side shell to create a double hull. Propulsion is provided by two (2) Caterpillar C-280-12 Tier II* diesel engines, designed to operate on Ultra Low Sulfur Diesel fuel and each is rated at 5440 BHP @ 1000 RPM driving the CPP Propellers through Reintjes LAF 5666 reduction gears. Electric power is provided by one (1) 340 kW Caterpillar C-18 Tier II* auxiliary generator (Harbor Generator), two (2) 1475 KVA, for the DP1 and 1.5 for the DP2 version, shaft generators and one (1) 125 kW Caterpillar C-6.6 Tier II emergency generator system. The vessel is flagged in the Registry of the United States of America and complies with all applicable rules and regulations for unrestricted ocean towing. **capable of being upgraded to Tier III or IV*

DP1 - Ocean Wave & Ocean Wind



DP2 - Ocean Sky & Ocean Sun



CROWLEY®
People Who Know™

16800 Greenspoint Park Drive
Suite 155N
Houston, TX 77060
(281) 774-5400

9487 Regency Square Boulevard
Jacksonville, Florida 32225
(904) 727-2200

www.crowley.com

OCEAN CLASS DP1 & DP2 VESSEL SPECIFICATIONS:

FLAG

United States

PORT OF REGISTRY

San Francisco, CA

BUILDER

Bollinger Shipyards

Amelia, LA

OVERALL DIMENSIONS

Length: **146' (44.4m)**
Ocean Wind/Ocean Wave

156' (47.5m)

Ocean Sky/Ocean Sun

Breadth: **46' (14.03m)**

Depth: **25' (7.62m)**

Design Draft: **21' (6.4m)**

TONNAGE

<1600GRT

CONSTRUCTION

Steel

OPEN DECK SPACE

47' x 45' 2115 sq2

13.71M x 14.32M 196.48 sq m2

FUEL CAPACITY

234,738 Gallons (888.58m³)

Ocean Wind/Ocean Wave

251,700 Gallons (973.20m³)

Ocean Sky/Ocean Sun

FUEL OIL OVERFLOW

2,118 Gallons (8.02m³)

DIRTY OIL

1,153 Gallons (4.36m³)

OILY WATER

1,225 Gallons (4.64m³)

HYDRAULIC OIL

570 Gallons (2.16m³)

FRESH WATER

19,060 Gallons (72.15m³)

Ocean Wind/Ocean Wave

24,700 Gallons (93.5m³)

Ocean Sky/Ocean Sun

GRAY WATER

6,474 Gallons (24.51m³)

SEWAGE HOLDING

5,582 Gallons (21.13m³)

FOAM STORAGE

1,436 Gallons (5.44 m³)

LUBE OIL

2,900 Gallons (10.98m³)

MAIN ENGINES

(2) Caterpillar C-280-12 Tier II*

Developing 10,880 (8,113kW) Total BHP

HARBOR GENERATOR

(1) 340kW Caterpillar C-18 Tier II*

EMERGENCY GENERATOR

(1) 125kW Caterpillar C-6.6 Tier II*

SHAFT GENERATORS

(2) 1,475 KVA

Ocean Wind/Ocean Wave

(2) KATO rated 1.5MW each

Ocean Sky/Ocean Sun

PROPELLERS

(2) 4 Blade Cu-Ni-Al CPP

153.5" (3.9m) Diameter

NOZZLES

High Efficiency

REDUCTION GEARS

(2) Reintjes LAF 5666

SPEED

16 Knots

BOW THRUSTER

(1) Berg (Electric) VFD 850HP

Ocean Wind/Ocean Wave

(2) Berg (Electric) VFD 500HP

Ocean Sky/Ocean Sun

STERN THRUSTER

(1) Berg 500HP - Ocean Sky/Ocean Sun

CRANES

Aft Deck 25T Capacity

Foc's'le Deck Crane 5T Capacity

BOLLARD PULL

165 tonnes minimum

TOWING WINCH

Intercon - DW275 Hydraulic

Min. Holding Power 350 S.T. (317.51 M.T.)

500,000lbs (226.80 MT) @ 20 Ft/Min (6.1m/Min)

WIRE GUIDE PINS

200 MT Triplex

INDEPENDENT AUXILIARY WIRE DRUM

300' of 1" Wire rated @ 40,000 Lbs (18.14 MT)

@ 100 Ft/Min (30.48 m/Min)

Independent Capstan

Rated @ 23,000 Lbs (10.43 MT) Line Pull @150

Ft/Min (45.72 m/Min)

BOW WINCH

Intercon - VMS Winch

Electric Windless Mooring 1.25" chain

Independent Capstan

Line Drum 600' of 1.25" Jacketed Plasma Line

TOWING WIRES

3,000' (914m) - 2.5" (63.5mm) Wire (Upper)

4,200' (1,219m) - 2.75" (69.85mm) Wire (Lower)

SHARK JAWS

350 MT Triplex Quick Release

STERN ROLLER

6' (1.83m) Diameter

ACCOMMODATIONS

13 total available

Three (3) 1 person staterooms

Five (5) 2 person staterooms

NAVIGATION/

COMMUNICATIONS EQUIPMENT

Radar - (2) Furuno FAR2117BB

GPS - (2) Northstar 952XD DGPS

GMDSS - Furuno RC1815 GMDSS

Autopilot - Robertson

Gyrocompass - Robertson

Depth Sounder - SOLAS Approved

Radios - (5) Furuno FM 3000

World Phone -Sailor (Thrane & Thrane)

EPIRB - (2) COSPAS-SARSAT 406MHz

Dynamic Positioning - Kongsberg

CLASSIFICATION

✘ A1, Towing Service

✘ AMS

✘ ABS

✘ ABS Fire Fighting Vessel Class 1

✘ ABS DP-1 *Ocean Wind/Ocean Wave*

✘ ABS DP-2 *Ocean Sky/Ocean Sun*

USCG Certificate of Inspection

Green Passport

SOLAS

International Load Line Certificate

DP1 only specs listed in red

DP2 only in blue

**capable of being upgraded to Tier III or IV*