



Skandi Achiever

Subsea



Introduction

Overall dimensions of the Achiever include 670 m² of split deck. There is a 4.2 x 4.2m working moonpool for saturation diving operations and a 140T active heave compensated (AHC) Subsea Crane with 2 043 m wire.

The vessel is fitted with a fully redundant Kongsberg Simrad SDP 21 dynamic positioning system. There are two HiPap 500 hydroacoustic transducers, four DGPS, one fanbeam and two LTW reference systems.

The Vessel is powered by 6 x diesel engines each driving a generator delivering a total output of 10 MW. The propulsion is delivered by 2 x 2.2 MW Azimuth Thrusters at the stern, 2 x 1.5 MW Tunnel Thrusters at the bow and 1 x 1.5 MW Retractable Bow Azimuth Thruster.

There are two permanently installed Perry Slingsby Workclass Remotely Operated Vehicles (WROV) TXLS rated to 3 000 msw / 200 bhp in the hangar, with Tether Management Systems (TMS) deployed with a dedicated A frame (Launch and Recovery System) LARS. On the main deck there is a facility for a third vehicle such as an observation ROV. For all support services there is a dedicated take-off point under the main crane on starboard side.

The primary function of the WROVs is to support divers working from the vessel and they can support various survey, inspection and tooling intervention packages dependent on the client's needs. The WROVs have a dedicated and integrated control room.

The saturation diving system is capable of supporting 18 divers, enabling multi-depth operations or ongoing decompression supported by a 1 x 18 man Self-Propelled Hyperbaric Rescue Life boat.

Capabilities

Built in 2007, Skandi Achiever is of Aker DSV 06 design and is a Construction Support Vessel (CSV).

The Skandi Achiever provides services including saturation dive support for offshore construction and Inspection, Repair and Maintenance (IRM) operations.

The Vessel is designed with a high focus on good sea-keeping abilities and excellent station keeping performances. The vessel is environmental friendly with focus on low fuel consumption and precautions equivalent to DNV's CLEAN DESIGN requirements are incorporated in the design.

General Description

Name	Skandi Achiever
Type	CSV / Dive Support Vessel
Owner	DOF Subsea Rederi AS
Class	✠ DNV 1A1, ICE-C, COMF-V(3), HELDK, DSV-SAT, E0, DYNPOS-AUTR, NAUT-AW, CLEAN DESIGN, DK(+)
Flag	Bahamas
Design	Aker DSV 06
Year Built	2007
IMO N°	9413810

All specifications are subject to changes without prior notice.

Please contact us for details and verifications | Specification version: 24.11.2015





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Technical Specification

Main Dimensions

Overall length	105.9 m
Length between pp	94.7 m
Breadth	21.0 m
Depth	8.5 m
Draft	6.6 m
Gross tonnage	7 617 t
Net tonnage	2 286 t

Cranes

Offshore crane

Manufacturer	National Oilwell Vargo
	SWL 140 t & 10 t
Tugger winch (numbers SWL)	2 x 5 t
Personel lift capacity	Max 1 t

Additioanl cranes

Starboard crane	ABAS SWL 3t
Port Crane	NOV Knuckle Boom SWL 5t

Deck Space

Main Deck Area	735 m ² @ 10 t/m ²
Deck Material	Steel
Moonpool	4.2 m x 4.2 m

Speed

Maximum	14 knots
Economic Transit	10 knots

Helideck

20.9 m D-Rating Sikorsky S92

DP System

Class 2 Type Kongsberg SDP-21 Seatex 132/20 Seapath x2

Reference Systems

- 2 x HiPap 500
- 2 x DGPS
- 2 x Seapath
- 2 x LTW
- 1 x Fanbeam

Power & Propulsion

Main Engines

4 x Wartsila W 9L20	1 665 kW each
2 x Man 9I28/32H	1 980 kW each

Aux Generators

4 x AEM SE 500L8	1 756 kW each
2 x AEM SE630M10	2 110 kW each

Thrusters

Stern	
2 x	2 300 kW each
1 x Azimuth	1 500 kW each
Bow	
2 x Tunnel	1 500 kW each

Capacities

Fuel	1 123 m ³
Fresh water	820 m ³
Ballast water	3 820 m ³

Accommodation

100 persons in single/double cabins
 Officers Cabins 10 / Crew single Cabins 12
 Crew double Cabins 78 beds in 39 Cabins

ROV

Workclass ROV XLS40
 Workclass ROV XLS34
 Hangar Observation Lynx ROV & Workclass XLS40

Optional Equipment

Secondary Work Class ROV
 Observation Class ROV
 Hugin 3000 UUV/AUV
 Air Diving System
 Tooling LARS

Saturation diving equipment

The single bell 18-man saturation diving system supports diving to a maximum diving depth of 300 msw. All the chambers are located on the main deck with the Chamber Control Room.

1 x 3-man diving bell; volume 6.4 m³
 4.2 x 4.2 m Moonpool
 1 x 6-man & 4 x 3-man twin-lock chambers (fitted out for 18 divers) – DDC1, DDC3 and DDC4

Living chamber volume 18.5 m³; entry lock volume 7.0 m³. DDC2 and DDC5 living chamber volume 22.1 m³; entry lock volume 8.4 m³. Each entry lock contains shower, hand basin and toilet.
 Total System Volume - 174 m³

Gas Storage 18,400 m³ in 40 Kelly Tubes stored at 200 bars
 Reclaim System

6 Chambers in total enabling multi-depth operations
 1 x TUP chamber; volume 14.5 m³
 1 x 18 man, Self-Propelled Hyperbaric Life boat Rescue Chamber (HRL); volume 10.3 m³. 1 x Bell Launch and Recovery System (LARS) overhead gantry type.
 1 x Bell umbilical c/w winch/reel, slip rings for gas and electrics.
 Bell trolley and four hydraulic power packs into one reservoir.

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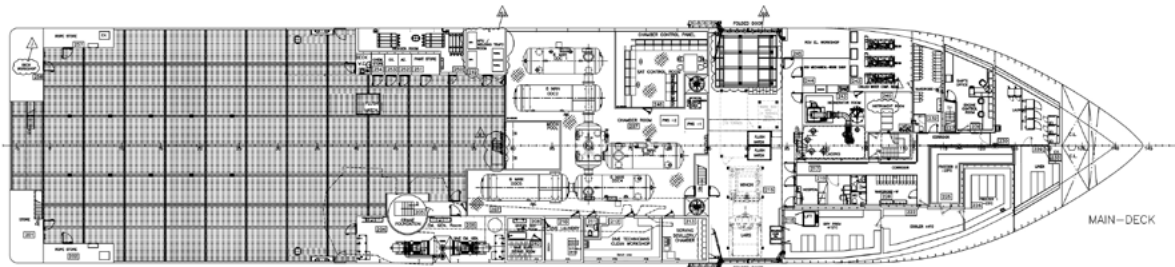
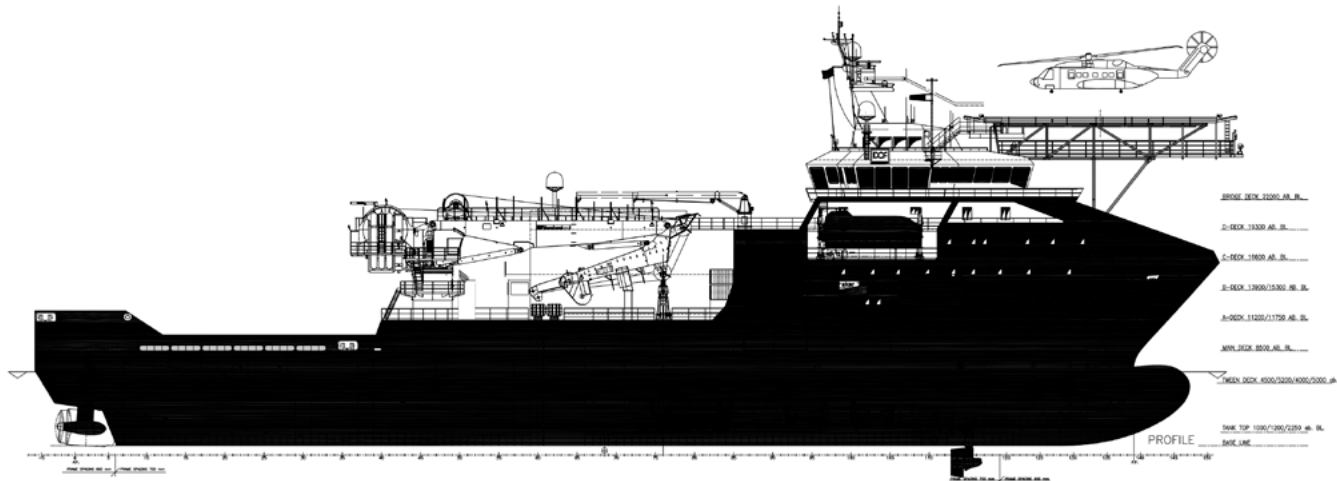
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General Arrangement

Overall dimensions of the Achiever include 670 m² of split deck. There is a 4.2 x 4.2m working moonpool for saturation diving operations and a 140T active heave compensated (AHC) Subsea Crane with 2 043 m wire.

The pedestal mounted, AHC knuckleboom crane is located on the starboard side of the main deck. It has 140Te capacity at a radius of 10 M with an auxiliary hoist of 10Te capacity at a radius of 30M. Additionally, on the Portside of the mezzanine deck there is a subsea knuckleboom crane to support diving operations. This second crane has a 5Te capacity at a radius of 10M to 3Te capacity at a radius of 15M.

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Contacts



If you would like further information or would like to contact us about our services or equipment, please visit our website www.dof.no or call one of our regional offices:

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