

# Skandi Acergy

Construction/  
Flex-lay

subsea 7



*Skandi Acergy* is a construction / flex-lay vessel, capable of operating in water depths of up to 3,000m.

- Length 156.9m x breadth 27m
- Heave compensated 400t crane
- Deck area 2,100m<sup>2</sup>
- 125t top tension flexible lay system
- 3,000t below deck storage carousel
- Accommodation for 140 persons
- 2 x work-class ROVs

## General Information

Type	Construction / Flex-lay
Classification	ERN No: 99.99.99. DNV, 1A1 ICE-C SF COMF-V(3), HELDK-SH E0 DYNPOS-AUTRO NAUT-AW Clean design D K(+), TMON, Comfort
Flag	Isle of Man
Year Built	2008

## Principal Dimensions

Length Overall (m)	156.9m
Breadth (m)	27m
Depth Main Deck (m)	12m
Operating Draft (m)	6.5m - 7m (design draft) Draft maximum 8.5m
Gross Tonnage (t)	16,500t
Transit Speed (knots)	15 knots (max speed 18 knots)

## DP System

DP Classification	DP Class IMO III
Reference System	DP IMO3, Gyro Compass, Wind Sensor, Motion Reference Units (MRU), Fan Beam, Differential GPS, Radius, Hydro Acoustic Position Reference System (HPR)

## Power and Propulsion

Main Engines	
Number	6
Type	Man, 2 x 8L32/40, 4 x 6L32/40 Alternators for main engine Siemens 1-DL4 138/8AL05/Z. 4290kVA
Power (kW)	2 x 3861, 4 x 2892. RPM 720 Alternators for main engines Siemens 1-FJ4 804/105 D22. 3220kVA
<b>Generators</b>	
Number	6
Type	Main type 1 and main type 2
Power (kW)	Total power: 19,300kW
<b>Thrusters</b>	
Number	7
Type	2 x 1,920kW tunnel thrusters, 2 x 1,500kW retractable azimuths, 2 x 3,000kW contra-rotating azimuths, 1 x 4,000kW shaft propeller + rudder
Power (kW)	Total installed power: 19,300kW
Location	Forward and aft

## Main Deck

Clear Deck Area (m <sup>2</sup> )	2,100m <sup>2</sup> flush
Deck Strength (t/m <sup>2</sup> )	10 t/m <sup>2</sup> 7,000t deck cargo 1m above deck

## Capacities

Fuel Oil (m <sup>3</sup> )	2,259m <sup>3</sup> @ 100% volume, 1848 m <sup>3</sup> @ 90% volume (max allowable fill capacity)
Fresh Water (m <sup>3</sup> )	1,730m <sup>3</sup>
Ballast Water (m <sup>3</sup> )	8,845m <sup>3</sup>

## Accommodation

Berths (No.)	140
Cabins (No.)	The vessel has accommodation for a total of 140 persons (single and double cabins)

## Helideck

Type	For S92, diameter: 21.8m
------	--------------------------

## Cranes

Main Crane Capacity (t)	400t
Manufacturer	National Oilwell Varco
Operating Water Depth (m)	3,000m
AHC	Yes
Location	Port side
Main Crane Comments	Knuckle boom crane rated 3,000msw with AHC. Harbour: 400t at 15m Subsea (1,000m): 326t at 13m Subsea (2,500m): 215t
Auxiliary Crane Capacity (t)	50t
Location	Port side forward
Auxiliary Crane	50-100t AHC knuckle boom crane, 2000msw (no AHC in 100t double fall mode)
Auxiliary Crane Comments	2 x passive roll damping tanks 3 x 3,600m <sup>3</sup> /hr anti heeling pumps 3 x 10t deck tuggers 1 x 30t deck tugger

## Moonpool

Moonpool (No.)	1 x main moonpool and 2 x moonpools for the ROVs
Dimensions (m)	7.2m x 7.2m (main moonpool) Max opening 7.2m x 4.9m

## Pipelaying System

<b>Flexible Lay:</b>	
Max Tension (t)	125t
Tensioners (No. and type)	4 and 2 track mode
Tensioner Length (m)	3.5m
Flex/Umbilical Storage Capacity (t)	3,000t
Flex/Umbilical Storage Comments	Under deck carousel
Carousel (No.)	1
Carousel Diameter (m)	23.6m
Carousel Capacity (t)	3,000t
Reels	Capacity for 8 x 300t deck reels
Operating Water Depth (m)	Product dependent (1,000m A&R)
A&R Capacity (t)	120t

## ROV System

ROVs (No. and type)	2 x Schilling ACV
Operating Depth Rating (m)	3,000m
ROV Comments	Vessel is fitted with two Schilling ACV latest generation work-class ROVs with AHC deployed through internal moonpools with a 6m Hs maximum ACV6 is located port side and ACV7 is located starboard side

January 2018