

Skandi Acergy

7



Type:
Construction / Flexlay

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

The *Skandi Acergy* is a class-leading construction / flexlay vessel ideally suited to meeting the demands of today's deepwater subsea developments in water depths of up to 3,000m.

- Length 157m x breadth 27m
- Heave compensated 400t crane
- Deck area 2,100m²
- 125t top tension flexible lay system
- 3,000t below deck storage carousel
- Accommodation for 140 persons
- 2 x workclass ROVs

General Description

Type	Construction / Flexlay
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 Isle of Man
Flag	Isle of Man
Year Built	2008

Principal Dimensions

Length Overall (m)	157m
Breadth (m)	27m
Depth Main Deck (m)	12m
Operating Draft (m)	6.5m - 7m (normal 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 3
Reference System	DP IMO3, Gyro Compass, Wind Sensor, Motion Reference Units (MRU), Fan Beam, Differential GPS, Position Sensor System, 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
Generators	
Number	6
Type	Main type 1 and main type 2
Power (kW)	Total power: 19,300kW
Thrusters	
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 ²)	2,100m ² flush
Deck Strength (t/m ²)	10 t/m ²
	7,000t deck cargo 1m above deck

Capacities

Fuel Oil (m ³)	1,000m ³
Fresh Water (m ³)	1,740m ³
Ballast Water (m ³)	150m ³

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
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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): 400t at 13m Subsea (2,500m): 225t
Auxiliary Crane Capacity (t)	50t
Location	Port side forward
Auxiliary Crane	50-100t AHC knuckle boom crane, 2000msw
Auxiliary Crane Comments	3 x passive roll damping tanks 3 x 2,200m ³ /hr anti heeling pumps 3 x 12.5t 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

Flexible Lay:	
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