

Grand Canyon



ST-259CD

<i>Length over all</i>	127.75 m
<i>Breadth moulded</i>	25 m
<i>DWT at 7.3 m</i>	approx. 13500T
<i>DP</i>	Kongsberg K-Pos DP Cl 3
<i>Deck area</i>	1900m ²
<i>Offshore crane</i>	350T AHC / 3110m wire
.....	15T AHC / 1100m wire

Vessel General Information

1	Name of Vessel	Grand Canyon
2	Type of Vessel	Offshore Construction Vessel
3	Nationality	Norway
4	Shipyard/Build	Fosen Mekaniske Verksteder A/S, Build no 89
5	Building Year	2012
6	DNV No.	31507
7	DNV Class Notations	1A1 ICE-1C SPS COMF-V(3)C(3) HELDK-SH CRANE EO DYNPOS-AUTRO NAUT-OSV(A) CLEAN DESIGN DK(+) BIS TMON
8	DP System	Kongsberg K-Pos DP C1 3
9	Port of Registration	Aalesund
10	Call Sign	LACX8
11	IMO	9614608
12	MMSI No	257 031 820

Vessel Dimensions/Propulsion/Engines

1	Length o.a.	127.75m
2	Beam	25.0m
3	Accommodation	120 persons
4	Suez Gross	13479.77
5	Suez Net	10048.35
6	SCID (Suez Canal Id)	41527
7	ITC-69 Gross	12652T
8	ITC-69 Net	3796T
9	ITC-69 Length	115.0m
10	ITC-69 Beam	25.0m
11	ITC-69 Depth	7.5m
12	Breadth Extreme	29.2m
13	Height Extreme from BL	47.3m
14	Lpp	114.6m
15	Dept, moulded (2nd deck)	10.8m
16	Hull Type	Double Skin-Double Bottom
17	Summer Loaded Draft	7.5m
18	Summer Loaded Deadweight	7306T
19	Summer Loaded Displacement	17028T
20	Light Ship Weight	9307.809T
21	Dead Rise	0"
22	Bilge Keel Radius	2.55m
23	No. of and type of rudders	2 x Becker High Lift
24	No. of propellers	2 (5000 kW on each shaft)
25	Propeller type	CPP
26	No of tunnel thrusters	6 x 2000kW
27	No of Engines	6 x 2800kW
28	Engine type	Wartsila 6L32
29	Engine's total power	16800kW
30	Switch Board/Power Plant	Manufacturer Norwegian Electric Systems
31	TPCI	27.172 t/cm immersion
32	MGO Storage Capacity	2035m ³
33	POT water Storage Capacity	309m ³
34	Technical Fr. Water Storage Cap.	969m ³ (Depending on stock of MGO and/or deck load to comp for trim)
35	Water Ballast Capacity	4026m ³
36	Radius of Gyration	9.25m

37	Design draught (moulded)	6.5m
38	Design trim (rake of keel) over Lpp	0.0m

Vessel Navigation Equipment

1	Radars	1 x SAM Radar Pilot Platinum X-Band 25K 1 x SAM Radar Pilot Platinum X-Band 12.5KW 1 x SAM Radar Pilot Platinum S-Band 30KW
2	ECDIS	ECDIS, SAM ECDIS Pilot Platinum
3	DGPS Navigation	2 x Simrad MX510 Navigation DGPS
4	Magnetic Compass	Magnetic Compass, Reflecta 1/Reflecta 2
5	Gyro Compass	3 x Anchartz Gyro Compass Standard 22
6	Auto Pilot	Autopilot Sam TrackPilot Platinum
7	Eco Sounder	Echo Sounder Skipper GDS101
8	Speed Log	Speed Log Skipper DL850
9	VDR	VDR, SAM VDR C4
10	AIS	AIS, SAM AIS 3410
11	Bridge Navigation Watch Alarm	Bridge Navigation Watch Alarm, SAM BNWAS Platinum
12	Helicopter Monitoring System	HMS 100 Helicopter Monitoring System

Vessel Communication Equipment

1	GMDSS Operational Area	A4
2	Accounting Authority and Address	GB11, Nera Sat. Serv. Ltd-6 Wells Place Gatton Park Buis. Cent RH1 3DR, UK
2	MF/HF/Radio Tx	MF/HF Radio/Radio Tx Thrane and Thrane (Sailor) TT-6320A
3	Navtex	Navtex Furuno NX-700 A/B
4	VHF GMDSS	VHF GMDSS, 2 x Sailor 6222 DSC Class A
5	GMDSS VHF Emergency	VHF 3 x GMDSS Emergency VHF Sailor 3520
6	SART	SART, Tron SART 20
7	EPIRB Free Float	EPIRB Free Float, Tron 40SMKII/Tron 40 GPS MKII
8	EPIRB Manual	EPIRB Tron 455X
9	Inmarsat C	2 x Inmarsat C, Sailor 6110 GMDSS System
10	Sound Reception System	VSS
11	Helicopter VHF, Fixed	2 x ICOM IC-A110 EUR
12	Helicopter VHF, Portable	3 x ICOM IC-A6E
13	NDB Beacon 410 kHz	JTN-30R (3EVR8)

Vessel Dynamic Positioning Equipment

1	DP System (See info CAN 11.01 Grand Canyon DP Oper. Manual1)	Dual redundant Dynamic Positioning System K-Pos DP-31 and K-Pos DP-11 (AUTRO/DP3). ERN number: Case1-3=99, Case 4=95, Case 5=91
2	Joysticks	2 x Kongsberg cJoy Operator Stations 1 x Kongsberg cJoy Independent Joystick
3	Reference Systems	2 x HiPaP Operator stations Apos 500 (w/responder triggers) 2 x HiPaP 500, Hull Units HL 3770 (2.72 m) 2 x Light Weight Taut Wire Mk 15B (1 kept as spare) 1 x Radius 1000 (w/2 interrogators)
4	Sensors	3 x GILWindObserver II Ultrasonic Anemometer/Wind Sensors 2 x Kongsberg MRU 5 1 x Kongsberg MRU 2