

## M/V Ocean Sea

<b>SHIP DESIGN</b>	PSV-Source vessel
<b>CLASSIFICATION</b>	DNV
<b>BUILT</b>	1995 as PSV – Major Conversion 2008 as Seismic Vessel
<b>PORT OF REGISTRY</b>	Nassau
<b>FLAG</b>	Bahamas
<b>IMO NUMBER</b>	9111759
<b>CALL SIGN</b>	C6UL5

<b>OWNER:</b>	Ocean Sea AS N-5384 TORANGSVÅG	<b>MANAGER:</b>	VESTLAND MANAGEMENT AS N-5384 TORANGSVÅG
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<b>MAIN DIMENSIONS</b>		<b>CLASS NOTATIONS</b>
Length O.A	72,5 M	DNV + 1A1 Supply vessel Unrestricted navigation *AUT-UMS, SF, SPS CLASS, DYNPOS AUTR
Length P.P	61,4 M	
Breadth	15,8 M	
Draft	5 M (max)	
Gross Tonnage	2959 GT	



# OUTLINE SPECIFICATION

## MACHINERY AND PROPELLER PLANTS

Main Engine:	2 x MAN / B&W8L-28/32A – DVO
Shaft Generators:	2 x Leroy Somer A52 1500 KVA
Aux Engine:	2 x MAN 375 KVA, 1 x Cummins 1500 KVA
Emergency Generator:	1 x 75 KVA, 440 V, 60 Hz
Gearbox Main Propellers:	2 x MAN B+W Alpha CPP
Steering Gears-Rudders:	2 x Becker High-Lift Flap Rudders
Bow Tunnel Thruster:	2 x 1000 HP Ulstein
Bow Azimuth Thruster:	1 x 700 Kw Retractable Aquamaster
Stern Thruster:	1 x 1000 HP Ulstein
Electrical Power:	Total 4.450 KW, 440 V 60Hz

## Deck Machinery

Main Crane:	1 x ABAS Odim Knuckle Boom 5 t at 16 meter
Aft Crane Port side:	1 x Scan Tech 3 ton
Aft Crane Stb side:	1 x Hydralift 1 ton
Cable Winches:	4 x Karm Winch, 5 ton pull
Gun Winches:	7 x MB Hydraulics, 7,5 ton pull
Paravane:	Barovans over side and at stern
Hydraulic power pack:	2 x 300 L/Min

## Navigation Equipment

GPS:	2 pcs. Furuno Gp-32B, 1 x Furuno GP-150
Radar no1	Atlas 1000
Radar no 2	Furuno FAR-2117
Gyro Compass	3 x C-PlathMk10
EI.Chart	Telchart 2026
Wind Indicator	Kongsberg OMC 139
Speed Log	Ben Anthea
DP system	Kongsberg K-Pos 21 DP
Echo Sounder	Skipper GDS 101
Primary transceiver	Sailor GMDSS Inmarsat
EPIRB	1 x Jotron
SART	2 x Jotron

## Seismic

On-line Navigation System:	To be arranged/agreed with Charterer
Primary Navigation:	To be arranged/agreed with Charterer
Primary DGPS:	To be arranged/agreed with Charterer
Secondary DGPS:	To be arranged/agreed with Charterer
Echo Sounder:	SIMRAD ES60
Heading Sensor:	To be arranged/agreed with Charterer
HPR:	Sonardyne ROVNAV 5

## Energy source

Type:	G-Gun II dual source
Number of Sub. Arrays:	6 sub arrays in use + 1 rail for spare array
Configuration:	Single or Dual source, 100 m separation
Tow width:	Dual source 100m max COS
Firing control:	Big Shot or Gunlink
QC:	Big Shot and Gator
NFH:	All positions
PT:	Pressure Transducer Last Position
Depth transducers:	3 per sub-array
Tow system:	Flexible float system with diverters
Compressor:	2 x Neuman Esser and 1 x Greenfield
Compressor capacity:	4700 cfm
Working Pressure:	2000 Psi
Power control:	Freq Drives with automatic RPM control

## SPEED AND FUEL CONSUMPTION

Cruising Speed:	10,5 knots at 11 m3/24 h
Max speed:	13,0 knots at 17 m3/24 h
Shooting:	4,5 knots at 11 m3/24 h
Range:	50 days in transit mode
Endurance seismic days:	60 days in shooting mode

## CAPACITIES

Fuel:	1000.0 m3
Drinking water:	740.0 m3
Fresh water generator:	Reverse Osmosis Plant - 25m <sup>3</sup> /day
Sewage treatment plant:	DVZ SKA-50 Biomaster
Incinerator:	DETEGAZA Delta IR-10

## LIFE SAVING EQUIPMENT

Safety manning level:	14
Rescue / FRC:	SOLAS GRP MPB, 6 prs with 40 hp outboard
Workboat / MOB	FRC Norsafe 750 Magnum
Inflatable Life Rafts:	4x25 person VIKING
Life Jackets:	50 pcs.
Life buoy:	9 pcs
Survival Suits:	49
Emergency radios:	Sailor
Emergency beacons:	Jotron 30 SMK II
Radar transponders:	2 x Jotron Sart
Fire detection system:	Thorn Minerva Marin, 16 loops
Fire pumps:	1 x main, 1 x Emergency
CO2 systems:	Engine room
Portable foam extinguishers:	Yes

## COMMUNICATION

Fixed satellite line (Fleet77):	To be arranged/agreed with Charterer
VSAT Number:	TBA
Inmarsat C:	Sailor H2095C
M/F and H/F:	Sailor RE 2100
VHF stationary:	Sailor RT 2042
VHF portable:	6 Entel
Internal communication:	Vingtor VMP-430
Handheld GMDSS VHF Radio:	3 x Sperry Marine SP3520
Navtex:	Furuno Navtex NX-700
Satellitecom. equipment:	Nera, Mini-M
Maximum capacity (personnel):	49
Vessel E-mail:	TBA

## ACCOMMODATION

Instrument Room:	Yes, separate computer room
Gymnasium	Yes, fully outfitted
Galley :	Yes, fully outfitted to serve 50 persons
Mess:	28 persons
Day room:	Yes, Digital TV, DVD, Internet
Air condition:	2 x separate central HVAC system
Cabins:	31 Cabins and 49 Bunks
Hospital:	Yes, fully outfitted to CMID/OVID standard
Conference Room	Yes, up to 14 persons