



**Eidesvik**



# **Subsea Viking**

*Your Partner in Shipping*



## SUBSEA VIKING

Signal letters.....LJL3  
 Design .....VS 4103 MPSV  
 Built.....1999  
 Yard.....Sterkoder AS, Kristiansund, Norway  
 Homeport.....Haugesund  
 IMO nr.....9182899  
 Telephone bridge.....+ 47 22 40 95 22  
 MMSI .....259 578 000  
 Owned by .....Eidesvik Shipping AS  
 Operated by.....Eidesvik AS  
 .....Vestvikvegen 1, N-5443 Bømlø, Norway  
 Telephone office: .....+ 47 53 44 80 00

## CLASS NOTATIONS

**Class:** DNVGL  
 +1A1 SF, ICE(C), DYNPOS(AUTRO), E0, HELDK (S, H),  
 Crane, DK (+)  
**Type:** Seismic Research Vessel

## PRINCIPAL DIMENSIONS

Length o.a. ....103,0 m  
 Length b.p.p.....88,8 m  
 Breadth mld .....22,0 m  
 Depth to main deck.....9,60 m  
 Draught summer.....7,85 m  
 Free board.....1,75 m  
 Length, clear cargo dk .....51,0 m  
 Breadth, clear cargo dk .....19,4 m  
 Deck Area .....1100 m2  
 Dead weight.....6874 t  
 Displacement.....11998 t  
 Gross tonnage.....7401 t

## SPEED

Max speed .....approx.. 12,5 knots  
 Eco speed.....approx. 10 knots

## CAPACITIES

Fuel oil 2652 m3 / 2307 t @0,87 t/m3  
 Potable water 549 m3 / 549 t @1,0 t/m3  
 Drill water/ballast 2212m3 / 2267 t @1, 025 t/m3

Roll reduction system:  
 3 passive stab tanks  
 Anti heeling system with pump

## MACHINERY AND PROPULSION

### Main engines:

Make.....MaK  
 Type/No.....4 x 9 M 25  
 Rating.....4 x 2610 Kw RPM720

### Main propulsion:

Make.....2 x Ulstein  
 Type.....TNC/M-320  
 Diam. ....3200 mm  
 Rpm.....0-225  
 Rating.....2 x 2750 kW

### Emergency/Harbour Gen:

Type.....Mitsubishi S6R-MPTK  
 Generators:.....635kw/1800 RPM  
 Make/Type.....Newage Stamford, HCM 634G  
 Capacity.....3 x 440V, 60 Hz, 750 KVA

## SIDE THRUSTERS

**Bow thruster:** .....2 x Brunvoll  
 .....FU - 80 - LTC - 2000  
 Rating .....2 x 1200 Kw  
 RPM.....227  
**Azimuth (bow)**.....1 x Ulstein  
 .....TCNS 83/M-220  
 Rating .....1200 Kw  
 RPM.....0 - 236

## ELECTRICAL PLANT

### Generators:

Make.....4 x Siemens/ Hyundai  
 Type.....HF J5 800 - 10  
 Rating .....2400 Kw / 720 RPM  
 .....3 x 690V/60Hz

### Switchboards:

Make.....Siemens  
 Type.....S404-S 10  
 Range .....690/450/230/115 V

### El Prop. Motors:

Make.....Siemens  
 Type.....1RN2635-6HU  
 Rating .....2 x 3000 kW  
 .....2 x Masterdrives, 12 puls  
 Transformers .....2 x 3750 KVA - 690 V

## DECK EQUIPMENT

Tugger winches .....2 x Ulstein Brattvåg  
 Type/Cap .....AKMK 41012/12 t  
 Capstan(s).....2 x Ulstein Brattvåg  
 Type/Cap .....CM 4185/10 t  
 Provision crane fwd. Palfinger 4,3 t

Additional deck cargo: Several fastening position in the fastening the deck, independent changeable between pin, rollers or eyes.

## MOORING EQUIPMENT FORWARD

Make / Type .....	Ulstein Brattvåg
Type/Capacity.....	BFM22052/10 t
Anchor .....	2 off SPEK
.....	4590 Kg (each)
Anchor chain.....	2 off 200 m / 1 off 230 m

## NAVIGATION

Magnetic Compass.....	Bergen Nautic
DGPS .....	Phillips (Leica) MK 10 D
Gyro compass .....	3 x Robertson RGC 11
Doppler log .....	JRC JLN 203
Radar 3 cm .....	1 x Raytheon
Patfinder .....	C3425/7 SU Arpa
Radar 10 cm.....	1 x Raytheon
Patfinder .....	C3430/12 SU (Arpa)
Echo sounder .....	Skipper GDS 101,
.....	38 kHz transducer
Ecdis 3 cm.....	Kongsberg Simrad SPS
Wind Sensor's .....	2 x Dief

## MANOEUVRING, POSITIONING AND VESSEL MANAGEMENT SYSTEM

Complete integrated maneuvering, dynamic positioning and vessel management system:

Dynamic Positioning .....	Simrad SDP 22 and SDP 12
Reference .....	Fanbeam laser system / MDL
Manoeuvring System.....	Kongsberg Simrad STC
Manual Joystick.....	Kongsberg Simrad STC/OT
Reference .....	Veripos 3 x DGPS
.....	Fanbeam laser system and Hipap 502 system
Management System: Kongsberg Simrad SVC and Alarm System	

## ACCOMMODATION

Day room .....	2 off
Day room smokers .....	1 off
Laundry.....	1 off
Gymnasium .....	1 off
Cabins state.....	8 off
1 man.....	16 off
2 man.....	23 off
Online office.....	1 off
Conference room.....	1 off
Client office .....	1 off
Helideck reception .....	1 off
Ships office .....	1 off
ROV control room.....	3 off
All cabins with toilet and shower	

<b>Manning</b> .....	Maritime crew, approx. 20 persons
.....	Project crew, approx. 50 persons
<b>Total POB</b> .....	70

## LIFESAVING AND RESCUE EQUIPMENT

Lifeboat Type.....	2 x Norsafe 8,85 "MIRIAM"
Dimensions.....	Loa 8,95x Boa 3,10xH 3,56 m
Capacity.....	70 persons
Weight, incl. eqipm .....	5.100 kg
Engine .....	Saab L4
Regulation .....	SOLAS 1983/92 92 MODU
Lifeboat Davit.....	Vestdavit H 9000

MOB-boat .....	1 x Norsafe Magnum 750
Dimensions.....	Loa 7,50 x Boa 2,90 x H 2,05
Capacity.....	10/15 (Norwegian/ UK sector)
Engine .....	Yanmar 4HI-STE 230 HP
Speed .....	26 knots with 3 person
Regulation .....	SOLAS 83/92 MODU
MOB Boat Davit.....	Vestdavit PL 3000

Liferafts.....	6 off 25 person's
Make.....	DSB LR 97L - N/25
Liferaft davits .....	2 x Scat-Harding
Type.....	SRR 360/3 65121
Fire alarm system .....	Autronica

## COMMUNICATION

<b>Radio Plant</b> .....	GMDSS A3
Make.....	Furuno
Type.....	FS 5000 (400w)
Telex/autotelex .....	Furuno DP 9
Inmarsat C.....	Furuno Felcom 12/2X IC 300
VHF .....	3 x Sailor 6222DSC Duplex
VHF Portable.....	3 x Jotron Tron TR20 x 3
UHF .....	Motorola MC 2100
UHF Portable.....	4 x Motorola GP 340
Heli Communication .....	Jotron 2 x TR-810
Motion sensor .....	Seatex MRU-H
Heli. Com. Portable .....	3 x ICOM IC-A6E
Navtex Reciever .....	Furuno NX 500
Weather Fax.....	Furuno Fax 208
EPIRB.....	1 X Jotron Tron 40S
Radar transponder .....	2 x Jotron, Tron Sart

## HELIDECK

Helideck D-value .....	19,5 m
Helicopter .....	Super Puma 10 t
Make .....	Hydro Aluminum



## MAIN CRANE

1 off ..... Huisman-Itrec  
Main hoist .....76 t/12m  
.....50 t/20m  
.....1620m (1500 max) Single fall  
Main hoist wire length .....1620 m 70 mm  
Aux hoist ..... 15t/8,5 - 30m  
.....600 m single fall  
Aux hoist wire length .....600 m 36 mm  
Tugger winches ..... Stb and port side of the crane  
..... Huisman 8 t  
..... Wire 200 m / 22 mm

## ON CARGO DECK

### Work moonpool:

Opening .....6,6 x 6,0 m  
Top Hatch ..... Bolted  
Bottom Hatch ..... Connection to top hatch

### Deck strength:

General .....5 t/m<sup>2</sup>  
2m around Work moonpool .....10t/m<sup>2</sup>  
Local: Bars flush with wooden deck as shown on GA for  
fastening of equipment  
Longitudinal bars .....40t anywhere on 1 meter  
Transverse bars:  
Aft of moonpool .....110t anywhere on 1meter  
Forw. of moonpool .....26t anywhere on 1 meter

**Stern:** Rounded and strength transom stern in 18m with  
removable bulwark

**Bulwark:** Removable bulwark Stb and port side fwd and  
Stb. Aft of main crane

### Side Doors

Type .....MacGregor  
.....Hydraulic Operated  
Opening ..... 4.2 x 8.2 m stb side  
.....6.0 x 8.5 m aft Bulkhead

**Carousel** .....max load 1200 t

## ROV FACILITIES

**ROV handling:** Through moonpool and overboard Stb.  
Side launching through hangar trolley

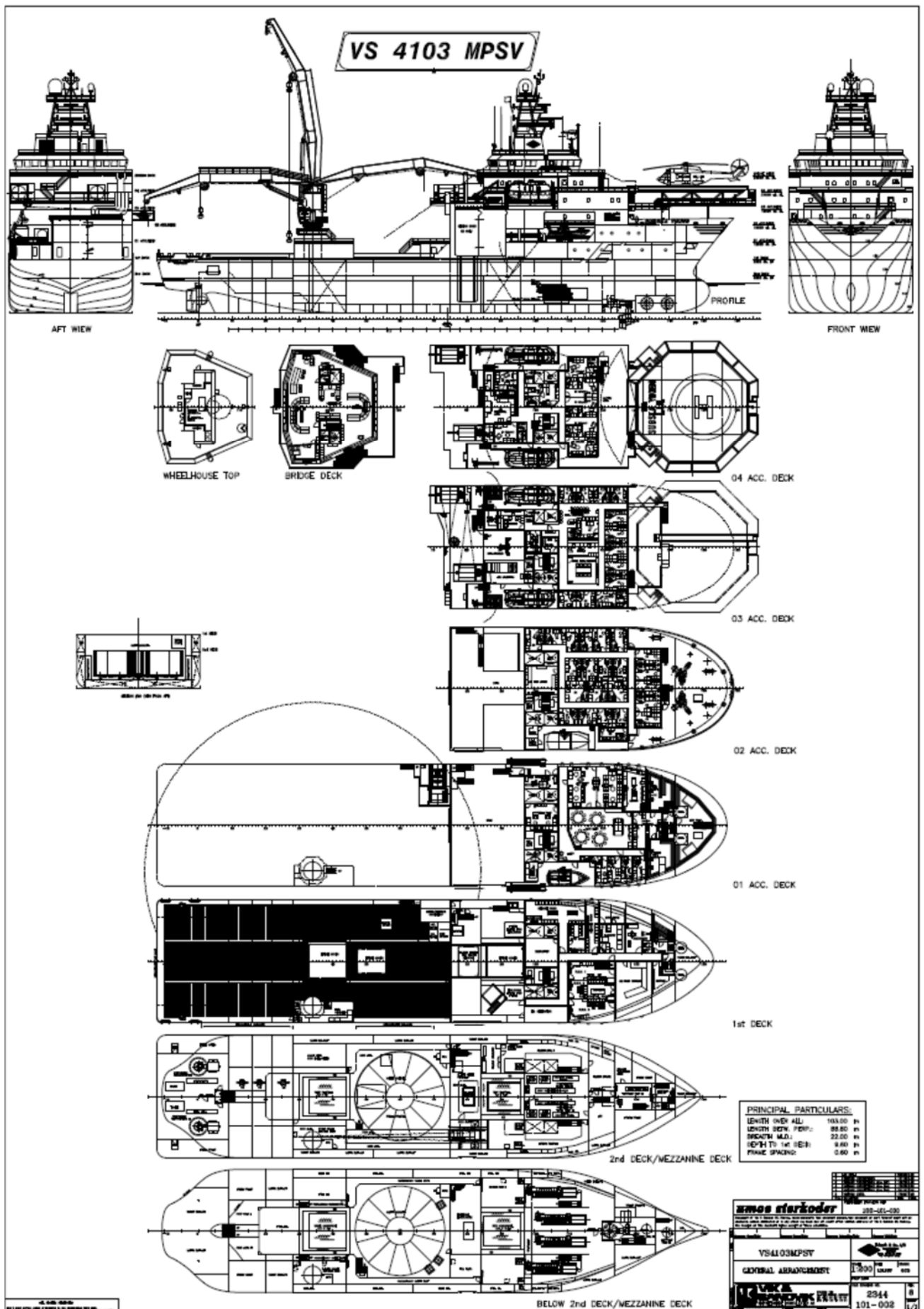
2 WROV rated to 3000 m water depth  
1 OBS ROV

### ROV moonpool:

Opening .....6,0 x 5,4 m  
Top Hatch ..... EI. Operated  
Type .....MacGregor

### ROV facilities:

Power supply ..... 690/450/230/115 V  
.....Several outputs  
Hydraulic Supply ..... 0 – 930 ltr. At 290 bar  
.....Several outputs  
Cooling Water Supply ..... 4 bar / 40 m<sup>3</sup>/hrs  
.....Several outputs  
Fuel Supply ..... 3 bar / 4,8 m<sup>3</sup>/hrs  
.....Several outputs  
Air Supply ..... 100 psi / 50 m<sup>3</sup>/hrs  
.....Several outputs



Details believed to be correct, but not guaranteed Spec subject to change without notice



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