



VIKING Offshore

Offshore Evacuation Systems



VIKING SES-2B 2007 with sliding frame



SPECIAL FEATURES

Compact and lightweight system features a high capacity transfer of 140 persons within 10 minutes. Suitable for floating and fixed installations with integrated liferafts. Suitable for installation on living quarter areas of the platform, it can be installed at evacuation heights of 50 meters, and under operating temperatures from -20°C to +65°C.

The system is designed to stay stable and provide evacuation under conditions of heavy seas, currents, and very strong winds. The sliding frame enables the system to be in "flush with rig side" when stowed and cantilevered when deployed, making it especially adequate for FPSOs. SES-2B 2007 with sliding frame has a type approval and consists of the following components:



Blast proof container

The container protects the evacuation chute against all types of weather. It consists of a load bearing welded frame which is attached to the Sliding Frame structure. The SES-2B 2007 is light and compact, taking little space on platform deck. The liferafts are not stored inside the container on this system.

a constant speed winch. An electrical motor enables recovery of the system when dry.

Boarding platform

The boarding platform inflates automatically and acts as sea reference point where evacuees can await dry transfer to the integrated liferafts or fast rescue crafts.

Sliding frame

This hydraulic arrangement enables the system to be in "flush with rig side" when stowed, and cantilevered when deployed.

Liferafts

The system comes with integrated liferafts which are accessed via the boarding platform when in use. All VIKING liferafts comply with SOLAS requirements and are equipped with either A-, or B-Pack.

Fire retarding evacuation chute

The evacuation chute provides a simple, safe and reliable method for transferring evacuees from deck levels down to sea level. It is divided into cells with speed retarding slides running at opposing angles in a zigzag effect. Openings in the chute located behind each slide, provide easy entry and exit at any level.

Stabilising weight

The stabilising weight is attached to 3 winch wires at the base of the chute and hangs below the waterline when deployed. It keeps the escape chute taut and reduces side motion from wind and sea current.

The speed retarding slides also permit evacuees wearing lifejackets, survival suits and breathing apparatus to pass safely through the chute. The length of the chute is calculated to allow for side motion under strong wind and current conditions.

Service

Liferafts and boarding platform must be recertified every year. Annual inspection and system function test (performed at the same time as the liferafts' and boarding platform's service). Winch wires shall be inspected regularly and renewed at intervals not exceeding 4 years. Periodical lubrication of winch.

Release system

SES-2B 2007 offers controlled launching using gravity. The speed of the fall is controlled by



VIKING LIFE-SAVING EQUIPMENT A/S
(Headquarters)
Saedding Ringvej 13, 6710 Esbjerg V
Denmark
Tel: +45 76 11 81 00, Fax: +45 76 11 81 01
e-mail: VIKING@VIKING-life.com

Idrettsveien
Straume Næringspark
NO-5353 Straume (Bergen)
Norway
Tel: +47-815-00-325, Fax: +47-56-32 61 10
e-mail: bergen@VIKING-life.com

Oluf Onsumsvei 11
N-0680 Oslo
Norway
Tel: +47-815-00-325, Fax: +47-22-64 62 61
e-mail: VIKING-n@VIKING-life.com

WHEN IT COMES TO
safety
THINK VIKING



VIKING SES-2B 2007 with Sliding Frame Specifications

CONTAINER DATA SHEET

	Description	Value
1	Manufacturer	VIKING Life-Saving Equipment
2	Approved by	Lloyd's
3	Model	SES-2B 2007
4	Frame material	EN 10025 S355J2G3, only load bearing parts. Material certificates according to EN 1024, 3.1.b
5	Dimensions whole system with liferafts (mm)	L: 5200 W: 5385 H:3310
6	Surface protection	NORSOK standard M-501, system no. 1
7	Weight (Whole system with liferafts and sliding frame)	Approx. 10.6 Ton (**)
8	Walls and roof	Carbon steel NV E36
9	Door	GRP Sandwich element, double hinged
10	Cover plate, material	Aluminium
11	Cover plate, weight	188 kg
12	Stabilizing weight, material	Carbon steel (DIN 50049 3.1.b/2.2)
13	Stabilizing weight, surface protection	NORSOK standard M-501, system no. 2B

CHUTE DATA SHEET

	Description	Value
1	Manufacturer	VIKING Life-Saving Equipment
2	Vertical distance to sea level	According to customer's installation height requirements (max. 50 meters)
3	Chute length, extended	Approx.: Installation height x 1,15 (depending on customer's environmental data)
4	Cell dimensions (mm)	D: 1550 x 1050 H: 1000/1250
5	Material, rings	Steel – AISI 316
6	Material, net wall	DuPont™ Kevlar®
7	Material, angle slides	DuPont™ Kevlar®
8	Openings	Openings behind angle slide on every cell, except top and bottom cells. Side openings optional

BOARDING PLATFORM DATA SHEET

	Description	Value
1	Manufacturer	VIKING Life-Saving Equipment
2	Model	35 MEP
3	Design standard	VIKING Life-Saving Equipment
4	Equipment	Delivered with 4 connection lines, 4 knives, and 4 connection rings
5	Number of life boarding platforms pr SES unit	1
6	Material	Rubber
7	Capacity	35 persons
8	Diameter inflated (mm)	4950 x 4428
9	Dry weight	110 kg

WINCH DATA SHEET

	Description	Value
1	Manufacturer	ZOLLERN
2	Design standard	SOLAS
3	Lifting capacity	39,2 KN (4000 kg)
4	Driven equipment	Electrical motor
5	Deployment speed	65 m/min.
6	Hoisting speed	10 m/min.
7	Weight (without motor)	575 kg
8	No. of sections on drum	3
9	Maximum number of layers per section	5
10	Storage capacity per section	72,5 m
11	Brake system	Centrifugal
12	Wire diameter (mm)	10
13	Wire length	65 m
14	Wire breaking strength	Minimum 6430 kg
15	Wire SWL	0,2 x 6430 = 1286 kg
16	Wire design	6x36 + IWRC RH RL
17	Wire material	1770 MPa galvanized

LIFERAFT DATA SHEET

	Description	Value
1	Manufacturer	VIKING Life-Saving Equipment
2	Approved by	EU Marine Directive MED
3	Model	12, 16, 20, 25, or 35 DK-RS (***)
4	Design standard	The latest amendments of the SOLAS regulations
5	Equipment	A or B Pack (SOLAS)
6	Number of liferafts per SES unit	2 or 4
7	Capacity per SES unit	Min. 24 persons. Max 140 persons
8	Packing of liferafts	GRP container
9	Stowage height	According to customer requirements (max. 50 meters)
10	Length of painter line	Stowage height + 10 meters

SLIDING FRAME DATA SHEET

	Description	Value
1	Manufacturer	VIKING Life-Saving Equipment
2	Dimensions of Sliding Frame assembly (mm)	L: 5383 W: 2730 H:702
3	Weight sliding frame assembly	4620 kg
4	Sliding frame material	EN 10025 S355J2G3, certificates according to EN10204, 3.1.b
5	Surface protection	NORSOK standard M-501

* Information based on VIKING's standard delivery

** Varies depending on number and type of liferafts

*** Please refer to www.VIKING-life.com for detailed information about each kind of liferaft

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