



**VIKING  
NORSAFE**  
Boats and davits

Enterprise No.: NO940411696  
[www.VIKING-life.com](http://www.VIKING-life.com)

## Midget-500, Slings and Saddle



### TECHNICAL SPECIFICATION

**VIKING Norsafe Life-Saving Equipment Norway AS**  
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VIKING Project No.: TBA  
Rev. Date: 31.07.2019

VIKING Doc. No.: TSB-0250  
Rev. No.: 2

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# 1. REGULATION AND CERTIFICATION

<b>Applicable rules and regulations</b>	In accordance with IMO/ SOLAS requirements, LSA Code and European Council Directive 2014/90/EU on Marine Equipment (MED)
<b>Certificate</b>	MED
<b>Other certificate</b>	Class certificate or flag acceptance on request

## 2. BOAT SPECIFICATION

### 2.1. GENERAL BOAT

Type	Rescue Boat
<b>Model</b>	Midget-500 MKII, Slings and Saddle
<b>Length overall</b>	5,10 m
<b>Length on fender</b>	5,02 m
<b>Beam</b>	2,07 m
<b>Height</b>	1,90 m
<b>Capacity, SOLAS minimum</b>	6 Persons
<b>Capacity, maximum</b>	6 Persons
<b>Weight, fully equipped (Big HP)</b>	705 kg (805kg)
<b>Davit load, with 6 pers@82,5 kg (Big HP)</b>	1.320kg (1.300kg)
<b>Color</b>	Orange (RAL 2004)
<b>Operation temperature:</b>	-15°C till +40°C
<b>Hull/deck material</b>	Fire retardant glass reinforced polyester (GRP)
<b>Buoyancy material</b>	Polyurethane foam
<b>Self-righting frame</b>	Fire retardant glass reinforced polyester (GRP)
<b>Bollards/towing</b>	Aft bollard P & S, painter hook in bow
<b>Steering</b>	Mechanical
<b>Fender</b>	Rubber pipe fender
<b>Deck</b>	Self-bailing
<b>Loose equipment</b>	According to SOLAS

Rescue boat designed and manufactured according to latest SOLAS/IMO requirements.

The rescue boat has excellent reliability, maneuverability, and sea keeping abilities in order to fulfil its prime function - to provide an effective means of search and recovery for persons missing at sea. Design and construction fulfil the need for reliable, low maintenance standby and operation. When installed with an approved davit, the boat fulfils the requirements for rescue boats on commercial vessels.

The boat is further designed to serve the search and rescue role, with deck layout allowing the crew to operate efficiently and comfortably over long time periods. The layout and performance of the boat ensures good diving support, survey and work boat duties.

The hull is a fully planning, giving optimum sea keeping ability at all speeds in all sea conditions.



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The space between hull and inner liner is filled with polyurethane buoyancy foam. If damaged below the waterline, the boat will float at safe level in fully flooded and loaded condition. The boat is self-bailing through two drainage outlets at the stern. The deck has an anti-slip surface. Lifelines are fitted on the gunwale.

Lifting is made by three point arrangement, installed on forward point and aft each side point of the deck. There is a painter hook in bow and bollards on each side astern.

The boat has been designed to provide a protected and safe working environment for the crew, engine and equipment.

## 2.2 PROPULSION AND PERFORMANCE

<b>Propulsion</b>	Outboard Engine
<b>Engine size</b>	Norsafe Marine 25HP
<b>Speed, with 6 persons</b>	Approx. 6 ~ 17 knots
<b>Bollard pull</b>	Approx. 1.8 kN
<b>Propeller protection frame</b>	AISI 316
<b>Cooling system</b>	Sea water circuit cooling
<b>Engine freshwater flushing</b>	Extra flushing equipment
<b>Fuel tank</b>	48~95L
<b>Fuel valves</b>	Quick connector on 48/50L tanks, Shut-off on top of 95L fuel tank

*Typical data – subject to variation in engine installation and specified equipment. Engines of at least 25HP can be installed. Please note that boat weight, bollard pull and speed are only for reference and may vary with several factors.*

## 2.3. RELEASE SYSTEM

<b>Lifting hook</b>	Three-point lifting slings with ring
<b>Height, keel to lifting point</b>	1.75 m

## 2.4. ELECTRIC SYSTEM AND NAVIGATION

<b>Electric power supply to boat</b>	42 VAC male and female connectors included (Power delivered from VIKING Norsafe davit starter cabinet)
<b>Electric system voltage</b>	12 VDC
<b>Cables type</b>	Marine type, flame retardant halogen free
<b>Position light</b>	12 VDC on top of self-righting frame
<b>Search light</b>	12 VDC handheld
<b>Compass light</b>	12 VDC inside compass
<b>Batteries</b>	Main and secondary start battery





## 4. OPTIONS

*Note: Some options influence weight and performance, some option combinations may be incompatible. Maximum certified weight must not be exceeded.*

marking means to be supplied by maker,  marking means not supplied by maker.

<b>GENERAL BOAT</b>	
Spare parts for 1 year, 2 years, 5 years or 10 years	<input type="checkbox"/>
Labelling in dual language	<input type="checkbox"/>
Painted railings and hand rails	<input type="checkbox"/>
Collapsible cradle	<input type="checkbox"/>
Embarkation ladder	<input type="checkbox"/>
Winterization/ cold climate heating/ canvas solutions	<input type="checkbox"/>
Other options	<input type="checkbox"/>
<b>PROPULSION AND PERFORMANCE</b>	
Yamaha 50HP, Bollard Pull: 2,6 kN	<input type="checkbox"/>
Mercury 25HP, Bollard Pull: 1,3 kN	<input type="checkbox"/>
Tohatsu 25HP, Bollard Pull: 1,5 kN	<input type="checkbox"/>
Tohatsu 50HP, Bollard Pull: 2,9 kN	<input type="checkbox"/>
Norsafe Marine 40HP, Bollard Pull: 2,1 kN	<input type="checkbox"/>
Norsafe Marine 60HP, Bollard Pull: 4,2 kN	<input type="checkbox"/>
Evinrude 25HP, Bollard Pull: 1,9 kN	<input type="checkbox"/>
<b>RELEASE SYSTEM</b>	
25kN release hook of liferaft	<input type="checkbox"/>
35kN release hook of lifeboat & liferaft	<input type="checkbox"/>
<b>ELECTRIC SYSTEM AND NAVIGATION</b>	
Engine heated canvas	<input type="checkbox"/>
Loose el. cable for ext. power supply	<input type="checkbox"/>
VHF equipment	<input type="checkbox"/>
<b>DOCUMENTATION</b>	
Factory acceptance test procedure	<input type="checkbox"/>
Factory acceptance test report	<input type="checkbox"/>
Inspection and test plan	<input type="checkbox"/>
Shipping, handling and lifting procedure	<input type="checkbox"/>
Packing & unpacking procedure	<input type="checkbox"/>
Commissioning procedure	<input type="checkbox"/>
TAG list	<input type="checkbox"/>



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Fuel system drawing	<input type="checkbox"/>
Steering system drawing	<input type="checkbox"/>
Engine, propulsion, exhaust and cooling system drawing	<input type="checkbox"/>
Bilge system drawing	<input type="checkbox"/>
Noise test report	<input type="checkbox"/>
Weight and COG datasheet	<input type="checkbox"/>
Weighing report/certificate	<input type="checkbox"/>
Other drawings/documentation/procedures	<input type="checkbox"/>

## 5. POSSIBLE DAVIT SOLUTIONS

The VIKING Norsafe Midget-500 MKII fits below davit models and variants.

NDA-16	SOLAS
NDSC-25	SOLAS
NDSC-34	SOLAS
NRC-25	SOLAS
NRC-34	SOLAS

Others on request

## 6. YARD SUPPLY / RESPONSIBILITY

Transport	Depending on contract
Fuel	Marine Gasoline according to engine manual specification
Connection cable	From starter cabinet to rescue boat supply plug



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