VIKING NORSAFE
Boats and davits

Enterprise No.: NO940411696
www.VIKING-life.com

Midget-500 MKII, Hook and Saddle

TECHNICAL SPECIFICATION

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1. REGULATION AND CERTIFICATION

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

2. BOAT SPECIFICATION

2.1. GENERAL BOAT

Type	**Rescue Boat**
Model	Midget-500 MKII, Hook and Saddle
Length overall	5,10 m
Length on fender	5,02 m
Beam	2,07 m
Height	1,90 m
Capacity, SOLAS minimum	6 Persons
Capacity, maximum	6 Persons
Weight, fully equipped (Big HP)	705 kg (825kg)
Davit load, with 6 pers@82,5 kg (Big HP)	1.200kg (1.320kg)
Color	Orange (RAL 2004)
Operation temperature:	-15°C till +40°C
Hull/deck material	Fire retardent glass reinforced polyester (GRP)
Buoyancy material	Polyurethane foam
Bollards/towing	Aft bollard P & S, painter hook in bow
Steering	Mechanical
Fender	Rubber pipe fender
Deck	Self-bailing
Loose equipment	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.

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 a single point arrangement, hook on pillar in front of steering position. 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

Propulsion	Outboard Engine
Engine size	Norsafe Marine 25HP
Speed, with 6 persons	Approx. 6 ~ 17 knots
Bollard pull	Approx. 1.8 kN
Propeller protection frame	AISI 316
Cooling system	Sea water circuit cooling
Engine freshwater flushing	Extra flushing equipment
Fuel tank	50~95L
Fuel valves	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

Lifting hook	K4-D Off-load release hook
Height, keel to lifting point	1.80 m
Hang off system	Hang off link with connection point for shackle

2.4. ELECTRIC SYSTEM AND NAVIGATION

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

Switches	Main switch / Secondary switch / Electrical consumers switches

2.5. DOCUMENTATION

Technical specification boat	According to contract specification
General arrangement drawing	According to contract specification
Seating plan	According to contract specification
Electrical system drawing	According to contract specification
Product certificate	According to contract specification
Lubrication oil chart	VIKING standard
Spare parts list	VIKING standard
Operation & Maintenance man.	VIKING standard
Lifting arrangement drawing	VIKING standard
SOLAS loose equipment list	VIKING standard
Preservation & storage procedure	VIKING standard

3. PACKING

Packing	**Secured in transport cradle**

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.

GENERAL BOAT	
Spare parts for 1 year, 2 years, 5 years or 10 years	☐
Labelling in dual language	☐
Painted railings and hand rails	☐
Collapsible cradle	☐
Embarkation ladder	☐
Winterization/ cold climate heating/ canvas solutions	☐
Other options	☐

PROPULSION AND PERFORMANCE	
Yamaha 50HP, Bollard Pull: 2,6 kN	☐
Mercury 25HP, Bollard Pull: 1,3 kN	☐
Tohatsu 25HP, Bollard Pull: 1,5 kN	☐
Tohatsu 50HP, Bollard Pull: 2,9 kN	☐
Norsafe Marine 40HP, Bollard Pull: 2,1 kN	☐
Norsafe Marine 60HP, Bollard Pull: 4,2 kN	☐
Evinrude 25HP, Bollard Pull: 1,9 kN	☐

RELEASE SYSTEM	
Henriksen HRH 1.5 (Height 1.90 m)	☐

ELECTRIC SYSTEM AND NAVIGATION	
Engine heated canvas	☐
Loose el. cable for ext. power supply	☐
VHF equipment	☐

DOCUMENTATION	
Factory acceptance test procedure	☐
Factory acceptance test report	☐
Inspection and test plan	☐
Shipping, handling and lifting procedure	☐
Packing & unpacking procedure	☐
Commissioning procedure	☐
TAG list	☐
Fuel system drawing	☐
Steering system drawing	☐
Engine, propulsion, exhaust and cooling system drawing	☐

Bilge system drawing	☐
Noise test report	☐
Weight and COG datasheet	☐
Weighing report/certificate	☐
Other drawings/documentation/procedures	☐

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