



**VIKING
NORSAFE**
Boats and davits

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

Midget-530 MKII, Propeller



TECHNICAL SPECIFICATION

VIKING Norsafe Life-Saving Equipment Norway AS
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VIKING Project No.: TBA
Rev. Date: 04.08.2022

VIKING Doc. No.: TSB-0017
Rev. No: 5

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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-530 MKII, Propeller
Length overall	5,32 m
Length on fender	5,30 m
Breadth	2,07 m
Height	1,82 m
Capacity, SOLAS minimum	6 Persons
Capacity, SOLAS maximum	8 Persons
Weight, fully equipped	1.155 kg
Davit load, with 6 pers@82,5 kg	1.650kg (Davit load with 8pers@82,5kg = 1.815kg)
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, painter hook in bow
Steering	Mechanical
Fender	Rubber pipe fender
Deck	Self-bailing
Console cover	PVC
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.



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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.

A rubber pipe fender protects the hull by absorbing impacts.

Lifting is made by a single point arrangement, hook installed on engine casing in front of steering position. There is a painter hook in bow and a bollard in the stern.

The boat has been designed to provide a protected and safe working environment for the crew, engine and equipment. Console with a large spacious engine room makes service and maintenance easier and more comfortable. All electrical equipment is placed inside the console.

2.2 PROPULSION AND PERFORMANCE

Propulsion	Inboard diesel engine with propeller
Engine	NLDE-3
Propeller	D14" x 16P
Speed, with 6 persons	Minimum 6 knots
Bollard pulls	Approx. 3.6 kN
Instrument gauges	Fuel level, tachometer, (subject to standard engine type), audible alarm for temperature and oil pressure
Engine cooling	Engine fresh water cooling with header tank and heat exchanger as primary circuit.
Exhaust system	Dry exhaust with water lock to prevent water ingress
Fuel tank	35 L, Seawater resistant Aluminum
Fuel valves	Shut-off on top of fuel tank and tank drain

Typical data – subject to variation in engine installation and specified equipment. Engines of at least 20,6kW and up to 30KW can be installed. Please note that boat weight, bollard pull, speed and personnel capacity are only for reference and may vary with several factors.

2.3. RELEASE SYSTEM

Release hook	K4-D FM Off-load release hook
Height, keel to lifting point	1,72 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



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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	<input type="checkbox"/>
Aft towing hook	<input type="checkbox"/>
Cargo tie down points in deck	<input type="checkbox"/>
CO2 fire extinguisher system in engine room	<input type="checkbox"/>
Embarkation ladder	<input type="checkbox"/>
Labelling in dual language	<input type="checkbox"/>
Painted railings and hand rails	<input type="checkbox"/>
Rescue cradle	<input type="checkbox"/>
Other options	<input type="checkbox"/>

PROPULSION AND PERFORMANCE

SABB L3	<input type="checkbox"/>
Dual oil or fuel filters	<input type="checkbox"/>
Hydraulic steering system	<input type="checkbox"/>

ELECTRIC SYSTEM AND NAVIGATION

12V outlet in console	<input type="checkbox"/>
Ex plug for ext. power supply	<input type="checkbox"/>
Engine heater	<input type="checkbox"/>
Engine room heater	<input type="checkbox"/>
EIPRB	<input type="checkbox"/>
GPS equipment	<input type="checkbox"/>
Loose el. cable for ext. power supply	<input type="checkbox"/>
Electrical system according to NMD requirements	<input type="checkbox"/>
Strobe lights	<input type="checkbox"/>
VHF equipment	<input type="checkbox"/>

DOCUMENTATION

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"/>
Fuel system drawing	<input type="checkbox"/>



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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-530 Propeller fits below davit models and variants.

NDA-16/25	SOLAS
NRC-25/34	SOLAS
NDSC-25/34	SOLAS
NRB-20	SOLAS
Others on request	

6. YARD SUPPLY / RESPONSIBILITY

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



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