



The LWO 14000 is a robust work boat based on the landing craft concept made of high grade marine aluminum with hydraulic bow ramp. The landing craft is designed and tested for excellent and effortless sea handling and maneuverability in rough seas.

The low-V-shaped hull, keel and stringers give stability and protection when landing on rocky shores. The hull is divided into watertight compartments equipped with separate bilge pumps. The landing craft has a high cargo capacity of 3000 kg.

The landing craft is equipped with a wheelhouse in the aft of the vessel with easy access. The wheelhouse has excellent 360° visibility and two ergonomic seats at the helm. The landing craft is equipped with six mooring bollards with a heavy duty towing post in the stern and four lifting points.

### **Main dimensions**

- Length, Loa. 14,4 m
- Beam, B<sub>max</sub>. 4,5 m
- Draft, T 0,4 m
- Displacement: 18 tons
- Engine 2 x 300 HP Agco Sisu Power 74CTIM
- Fuel tank 2 x 600 liters
- Operating range: 200 nm
- Speed, V<sub>max</sub>: ab 20 knots
- Seats 2+2 persons, max 6 persons
- Cargo capacity ab 3000 kg

**Classification:** The boat will be certified according to High-Speed Craft (HSC) Standard (or optionally to other requested standards).

**PLEASE NOTE:** If certified to another standard, it may affect to the equipment list presented in this document.

## 14m ultra shallow draft Deployment Vessel

Item	Supply specification
Construction	Aluminum Hull (Commercial Design)
Certification	Vessel to be built and certified according to High-Speed Craft (HSC) standard (or optionally other requested standards)
Length	14,4m
Beam	4,5m
Draft (loaded)	0,4m
Displacement/Gross Weight	15 tn + payload 3000 kg
Propulsion	Two (2) Marine diesels Agco Sisu Power 74CTIM, 300 hp and Water Jet units MJP Ultrajet 305HT, Gearbox ZF 286
Range	200 nm
Speed	minimum 15 knots
Fuel Tank Capacity	2x600 ltr
Clear Working Deck Area	ab. 20 m <sup>2</sup>
Working Deck Load	500 kg/m <sup>2</sup>
Passenger Options	Certified for up to 6 persons
Area Category	Area 2 or equivalent - RMRS R3
Safety Equipment	Please refer to the equipment list
Communications Equipment	Please refer to the equipment list
Navigation Equipment	Please refer to the equipment list
Wheelhouse / Pilot House	Minimum 2 +2 crew complete with HVAC System
Towing Points	2 forward, 2 aft, 2 in the middle and one center post aft
Bollard pull	2.5 T
Decking	Anti Slip, deck painted with epoxy/sand anti slip paint
Bow Door	Hydraulic operated
Bow Door Payload	500 kg/m <sup>2</sup>
Hull Protection	Keel 20 mm wide, stringers in the bottom as reinforcement
Deck Tie down points	8 pcs
Mooring Bits	3 bollards on each side
Boom Towing Post	Situated centre aft
Over side Access	aft ab. 400mm forward ab. 900 mm
Handrail Configuration	There are two side doors 900 mm wide (one on each side) located midships in the bulwark for easy loading to the side.
Deck Crane	FW lifting 1000 kg at 4 m, 590 kg at 6,3 m
Lift arrangements	Lifting eyes welded to hull, slings and lifting cradle included in delivery
Lifting Certification	Lifting slings and cradle certified
Storage Cradle / dolly	Storage cradle w certified forklift pockets
Shore power	Shore power connection 230 VAC/16 A
Winter Cover	PVC Canvas
Engine Heaters	230 VAC block heaters and heater fan in engine room
Fenders	60x100mm D-rubber type
Anchors	Anchor windlass forward and manually deployed spare anchor aft
Deck winch	Hydraulic capstan, pull 455 kg



## Main Equipment

Main component	Pcs	Model/Type
<b>Propulsion</b>		
Main engines	2	Agco Sisu Power 74CTIM, 300 hp
Reduction gear:	2	ZF286
Water Jet unit:	2	MJP Ultrajet 305HT
CV shaft:	2	AquaDrive CV
Engine heater:	2	Defa
Hydraulic pump	1	32 cc, 210 bar / 2 x 32 cc
Bow ramp hydraulics	1	Warn Series 6 / Hydraulic cylinders
Bilge pumps, electric	3	KPM P350SF
Bilge pump, manual	1	Gusher Urchin
Exhaust pipes:	2	Wet with silencer
Engine room fan	1	VENT17824
Strainers:	2	Vetus
Fuel tanks:	2	Sufficient for 200 nm
Fuel gauges:	2	Wema /12" Monitoring system
Fuel filters:	2	75340VTEB water.separator/diesel filter
Rudder indicator	1	Navico Simrad IS70

<b>Electricity</b>		
Shore Power	1	230VAC / 16A
APS	1	Victron
Isolation transformer:	1	Polylux TTKV
Main switch, 24VDC, 250A	3	BOSCH
Start battery:	2	Victron AGM 220 Ah
Service battery:	2	Victron AGM 220Ah
Radio battery:	2	Victron AGM 220 Ah
Automatic fuses:	36	General Electric GE
Window wipers	2	Exalto
<b>Lights</b>		
Search light:	1	DHR / Glamox
Navigation lights:	5	DHR
Interior lights:	6	PolamRem
Chart light:	1	HellaMarine Led, red/white
Engine room light	4	PolamRem
Work light:	4	DHR /Hella Marine
Deck light:	4	DHR /Hella Marine
<b>Navigation equipment</b>		<b>Compliant to GMDSS A2</b>
Radar/chartplotter/echosounder	1	Simrad NSS 12" TFT
Radar antenna	1	Simrad NSS
GPS antenna	1	JRC/JLR-7600
Charts	1	C/Map
Echo sounder	1	Simrad NSS
VHF-DSC, D-class	1	Sailor 6222
MF/HF Radio A-class	1	Sailor 6310
Navtex receiver	1	JRC/NCR-333
EPIRB Radar Transponder	1	Jotron/Tron SART20
SART Search & Rescue Transponder	1	Jotron/Tron 60S

Hailer	1	RayMarine LH430
Portable VHF	2	Jotron TR 20 GMDSS
Magnetic compass	1	Iota II
Typhon	1	Marco EMX2
Clock	1	Analog
Binoculars	1	Steiner Navigator 7x50
Radar reflector	1	Alu
Day signals	1	Maritime
<b>Deck and hull</b>		
Anchors:	2	HKG 30 + 15 kg
Anchor line:	1	45m Chain + 60m 18mm rope / 9m Chain + 60m 18mm rope
Deck hatches	3	Aluminum, flush
Mooring lines:	4	15m, D20 mm
Bollards:	8	AL 300 mm
Deck lashings:	8	RST
Towing line:	1	75m, D20
Rubber fenderlist:	40	D-100 x 60
Deck crane:	1	Fassi FM40A.22
Anchor windlass	1	Maxwell VWC2200, 1000 kg / Maxwell RC 12-10
Deck winch:	1	Maxwell Capstan VC1000, 455 kg
Anodes:	7	MgZn 1 kg
<b>Wheelhouse and interior</b>		
Windows:	8	AL frames/Glued
Door:	1	Libra
HVAC	1	Webasto Blue Cool 16 /Kalori Kanada hydraulic
Chairs:	2	Grammer
Bench:	1	2 pers. / 2 benches for 1 pers.

Floor insulation mat	16	Noisetek FC15TR / ErgoComfort Ergosoft
Roof insulation	16	Noisetek BL331 / Gisatex
<b>Safety Equipment</b>		
Engine room extinguisher:	1	Hypro 9302S-HM2C (Deck wash pump) FirePro (Engine room extinguisher)
Fire alarm	1	Deckma / 12` Monitoring system + Engine room FirePro
Portable extinguisher:	2	Class 10-BC
Life wests:	8	Viking-Life
Life ring:	2	SOLAS, 1 with light, 1 with throwing line
Life raft:	1	Viking-Life DK6
Pyrotechnics:	12	According to requirement
First aid kit:	1	Compliant with local requirement