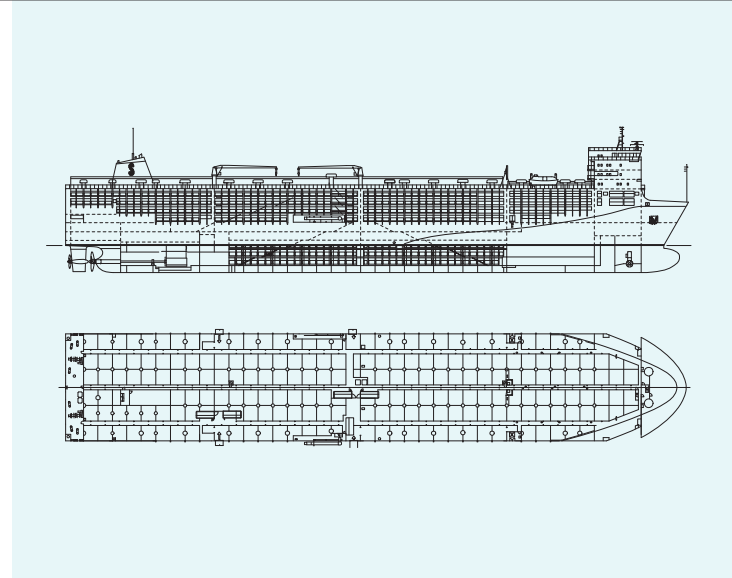


# Diesel electric driven Livestock Carrier

24,000 m<sup>2</sup>



Builder: **Shipyards ULJANIK**  
 Designed by: Shipyards Uljanik  
 Project No: 11907-A

Classification: ± RINA; ±100 A1.1-MN-LSC-NAV.II-L-AVM / APS  
 IAQ1, or equivalent DNV, LR, BV

Length over all	180.60 m
Length btw perp.	169.25 m
Breadth moulded	31.10 m
Depth to deck No. 10	24.33 m
Draught design	7.70 m
Draught scantling	8.70 m
Deadweight at design draught	10,800 t
Deadweight at scantling draught	14,700 t
Main engine:	ULJANIK/MAN-B&W; 6S50MC-C,
Output:	9,480 kW / 127 RPM
P.O.D.	2,000 kW
Speed service (90% MCR. + 2,000 kW P.O.D. 15% SM)	19.8 knots

### Capacities

Cargo space, total net pen area	abt. 24,000 m <sup>2</sup>
Ballast tanks	abt. 500 m <sup>3</sup>
Fresh water for livestock	abt. 3,000 m <sup>3</sup>

### Provisions

Heavy fuel oil	abt. 2,100 m <sup>3</sup>
Diesel fuel oil	abt. 140 m <sup>3</sup>
Lubricating oil	abt. 70 m <sup>3</sup>
Potable / drinking water	abt. 200 m <sup>3</sup>
Cruising Range	17,000 n.m.
Crew Complement:	45

The vessel is built as Livestock Carrier, suitable to carry Sheeps and cattles in world wide service.

Bottom and sea chests – SPC antifouling  
 Ballast tanks – epoxy

### Cargo equipment

- Food distribution system for Livestock of 140 t / day of pellets.
- Water production system of 850 t / day
- Ventilation system for 45 air changes for open decks.
- Ventilation system 70/45 air changes for enclosed decks.

### Transmission

- Fixed propeller plant.  
P.O.D.

### Heating plant

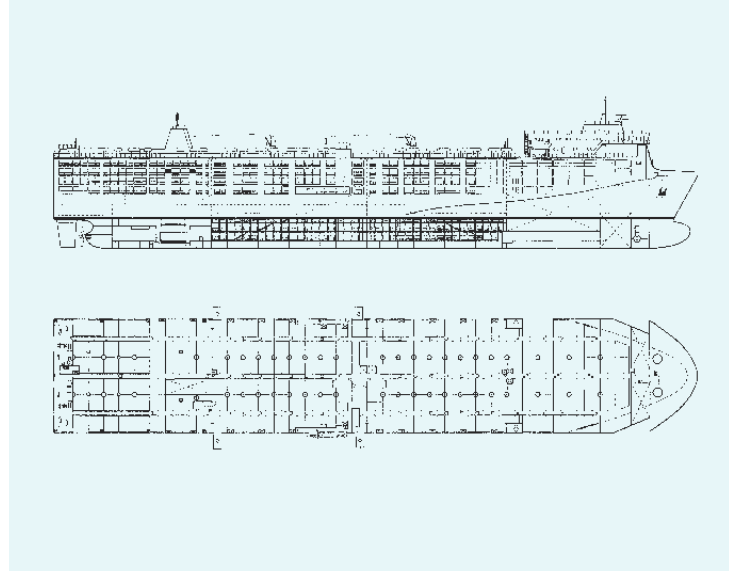
- One combined oil fired/exhaust gas boiler 1,600/800 kg/h.

### Auxiliary engines plant

- Three diesel generator sets, 60 cycles, abt. 1,500 kW each, at 900 RPM.
- One emergency generator, 60 cycles abt. 1,500 kW each, at 900 RPM.
- Three diesel generator sets, for P.O.D. and AMSA, 60 cycles, abt. 1,500 kW at 900 RPM.

# Livestock Carrier

24,000 m<sup>2</sup>



Builder: Shipyard ULJANIK  
 Name: m/s BECRUX  
 Owner / Flag: Syssex Shipping Inc. / Panama  
 Designed by: Shipyard Uljanik  
 Delivered: 2002

Classification: ± RINA; ± 100 A1.1-MN-LSC-NAV.II-IAQ1, Australian, New Zealand and Irish Rules for carriage of livestock

Length over all	176.50 m
Length btw perp.	165.00 m
Breadth moulded	31.10 m
Depth to deck No. 10	24.08 m
Draught design	7.70 m
Draught scantling	8.60 m
Deadweight at design draught	10,800 t
Deadweight at scantling draught	13,400 t
Main engine:	ULJANIK/MAN-B&W; 7S50MC-C,
MCR:	11,060 kW/127 RPM
Trial speed at 90% MCR, on draught of 7.7 m	20.4 knots

## Capacities

Cargo space, total net pen area	24,000 m <sup>2</sup>
Ballast tanks/fresh water	abt. 4,000 m <sup>3</sup>

## Provisions

Heavy fuel oil	abt. 2,000 m <sup>3</sup>
Diesel fuel oil	abt. 180 m <sup>3</sup>
Lubricating oil	abt. 145 m <sup>3</sup>
Fresh water	abt. 225 m <sup>3</sup>
Consumption HFO:	abt. 42/24 hours
Cruising Range:	18,600 n.m.
Crew Complement:	38

The vessel is built as Livestock Carrier, suitable to carry sheeps and cattles in world wide service.

## Cargo equipment

- Food distribution system for Livestock of 50 t/h of pellets.
- Water production system of 600 t/day
- Ventilation system for 45 air changes for open decks.
- Ventilation system 60/40 air changes for enclosed decks.

## Transmission

- Fixed propeller plant.

## Heating plant

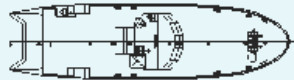
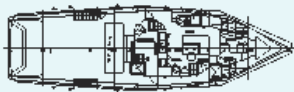
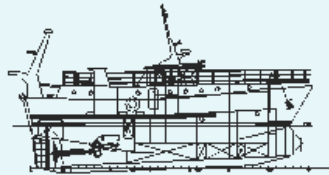
- One combined oil fired/exhaust gas boiler 2,000/1,000 kg/h.

## Auxiliary engines plant

- Three diesel generator sets, 60 cycles, 1,120 kW each, at 900 RPM.
- One emergency generator, 60 cycles 120 kVA
- One AMSA generator, 60 cycles 960 kW at 900 RPM.

# Fishing Vessel - Stern Trawler

21.6 m



Builder / Yard No.: Shipyard KRALJEVICA / 510  
 Name: m/s PETER PAN  
 Owner / Flag: Peter Pan Tours, Opatija / Croatia  
 Designed by: Boat's Consulting d.o.o., Rijeka  
 Delivered: 2001

Classification: 100 A1-4-RI \*M1-AUT 3\* R

The ship is built according to rules of Hrvatski registar brodova (Croatian Register of Shipping)

## Main characteristics

Length over all	abt. 21.6 m
Length btw perp.	19.5 m
Beam (max., without fenders)	6.4 m
Depth to main deck	3.7 m
Draught (full, load)	abt. 3.0 m
Deadweight - (as difference between full displacement and light ship weight)	37.7 t
Max. stern draught at full load	3.45 m
Main engine:	368 kW
Trial speed	abt. 9 kn at 85 % MCR and T=2.85
Max. displacement	149 t

## Tanks capacities

• fuel oil tank	24 m <sup>3</sup>
• fresh water tank	4.5 m <sup>3</sup>
• lubricated oil tank	0.3 m <sup>3</sup>
• fish hold	30 m <sup>3</sup>
• sewage tank	2.2 m <sup>3</sup>

## Fishing equipment

Fish is stored in refrigerated holds (temperature 0-2 °C) that are insulated by expanded polyurethane foam and lined with stainless steel plates. In addition to the fish holds and equipment for fish manipulation, fishing equipment consists of: hydraulic winch (hydraulic pump powered by main engine PTO)

## Equipment for navigation & communication

- GPS Sensor E 32001 RAYSTAR 112LP
- Electronic Compass KVH 1000
- Chart plotter R 32003 Raychart 630 102 LCD Color Chart plotter

- Electric hydraulic pump for rudder 24 V
- Autopilot: M8110 Raypilot 650, M81113 type 300 24 V
- Rudder position indicator with transmitter (box arranged near the manual rudder control)
- Panels for controlling floodlight, outdoor lighting, siren, windows wipers
- GPS Sensor E 32001 RAYSTAR 112LP
- Electronic Compass KVH 1000
- Chart plotter R 32003 Raychart 630 102 LCD Color Chart plotter
- Electric hydraulic pump for rudder 24 V
- Autopilot: M8110 Raypilot 650, M81113 type 300 24 V
- Rudder position indicator with transmitter (box arranged near the manual rudder control)

## Architecture

### Crew

Crew consists of four members placed in fore part under and over main deck in two single-bed and one double-bed cabin with collective sanitation on main deck. One spare single-bed cabin is placed on lower deck. Crew living room is positioned in canteen with placed in superstructure next to the galley.

### Crew equipment

Crew accommodations are placed on fore part as shown on general arrangement. Electric marble plates 24 V make heating in crew accommodations.