

MV LIEKUT

VESSEL PARTICULARS

IMO NO. 9869966

TYPE: RORO



GENERAL INFORMATION

CLASS	DNV GL 39672
FLAG	Australia
BUILT	Flensburger Schiffbau-Gesellschaft (FSG), hull 780
GMDSS	A3
DRIVER CAPACITY	12 (6 x 2)

DIMENSIONS

LENGTH (OA)	209.79m
LENGTH (BP)	197.74m
BEAM	26.0m
DRAFT (DESIGN MOULDED)	6.45m
SUMMER LOAD DRAFT	6.8m
DEADWEIGHT	abt 10320 T
GROSS TONNAGE	abt 32336T
NET TONNAGE	abt 9701T

SPECIFICATIONS

MAIN ENGINE	2 x MAN Diesel & Turbo SE 8L4860CR 2 MCR 9600kW at 500 rpm each
AUXILIARIES	Two auxiliary diesel alternator sets 2 x HYUNDAI 6L21/31 1320kW ea
THRUSTER AND PROPULSION	1 x Emergency Gen set Volvo Penta D16C-A MG 432kW 2 x Brunvol tunnel thruster – 1500kW each

TANK CAPACITIES

BALLAST CAPACITY	4330
BUNKER CAPACITY FUEL OIL	935
BUNKER CAPACITY DIESEL OIL	230
FRESH WATER CAPACITY	250

LANE METRES AND LANE WIDTHS

Deck	No. of lanes	Lane metres	Lane width
Tank top	6	573m	2.90m
Main deck	7	1060m	2.97m
Upper deck	8	1186m	3.00m
Top deck	8	1257m	2.90m
Total		4076m	

CONTAINER & REEFER PLUG CAPACITY

Deck	TEU	Reefer Plug No
Tank Top	78	-
Main Deck	285 (two tiers high)	20
Upper Deck	168	40
Top Deck	-	-
Total	531	60

PUMPS CAPACITY (m³/h)

Deck	Nominal capacity	Maximum height
Tank top*	39	5.00m
Ramp to tank top	1	4.10m
Main deck	66	7.10m
Below ramp to main deck in way of frame 86-110	4	5.00m
Below ramp to main deck in way of frame 74-98	2	4.10m
Below ramp to main deck in way of frame 68-87	1	4.00m
Upper deck	84	4.70m
Top deck	86	4.70m
Total	283	

*Two trailer positions adjacent to ramp will have reduced lane width of about 2.50m.

Four trailer slots on upper deck (two slots frame 9-48 starboard side and one slot frame 216-231 on both port and starboard sides) may not be used due to mooring requirement for Panama Canal Transit.

EQUIPMENT

Deck	Avg Load (t/m²)	Road Trailer Max (Mass/Axle t)	Mafi Max (Total/Axle t)	Harbour (Forklift/ Tugmaster t)	Max Ground Pressure (MPa)
Tank Top	3	50.0 / 20.0	75.0/60.0 / 25.0	30.0 / 25.0	0.7
Main Deck	2	50.0 / 20.0	75.0/60.0 / 25.0	30.0 / 25.0	1.5
Upper Deck	1.25	50.0 / 20.0	45.0/30.0 / 14.0	30.0 / 25.0	0.7
Top Deck	0.65	30.0 / 15.0	-	- / 18.0	0.9

*Road Trailer (Mass/Axle): Total Mass / Max Axle Load *Mafi (Total/Axle): Total Weight / Payload / Max Axle Load

*Harbour: Forklift / Tugmaster axle load

STERN RAMP

Item	Specification
Ramp length + flap	15.00 m + 3.00 m
Free width	17.00 m
Sea loading	According to class rules
40-foot roll trailer payload	60t
Axle load	25t
Maximum payload (mafi-trucks)	120t
Multi-way traffic capability	In harbour conditions

- The stern ramp is hydraulically operated and hinged to the main deck, forming a watertight door when raised and secured.
- Maximum inclination: +5 degrees up, -10 degrees down from the horizontal plane.
- Normal working range inclination: +3 to -8 degrees.

INTERNAL RAMPS

Access Location	Ramp Type	Clear Width	Angle	Clear Height
Tank top from main deck (starboard side)	Fixed	3.50 m	7 degrees	-
Upper deck from main deck (port side)	Fixed	7.75 m	7 degrees	5.00 m
Top deck from upper deck (port side)	Fixed	4.00 m	6.8 degrees	5.00 m

All internal ramps provide fixed access with appropriate clearances and inclinations for safe vehicle movement.