

## T/C Description of M/V EAST EXPRESS

MV "EAST EXPRESS" built in 1984 at Galatz Shipyard.

### Ro-Ro Trailer Ferry

YARD NUMBER	767
CLASS	Germanischer Class
* *	RoRo Cargo + 100 A5, MC
SOLAS	1974
MARPOL	1978
* * SAFETY CERTIFICATE	CLASS VII - 33 persons
FLAG	Bahamas
CALL SIGN	C6UO4
IMO NUMBER	8009040
GROSS TONNAGE	9071
NET TONNAGE	2721
LOA	121.48 m
LBP	111.18 m
BREADTH MOULDED	21.00 m
BREADTH EXTREME	21.34 m
DEPTH TO 1 <sup>^</sup> ST DECK (MAIN)	5.35 m
DEPTH TO 2 <sup>^</sup> ND DECK	12.50 m
DEADWEIGHT	4830 t
DRAUGHT LOADED	5.316 m
DISPLACEMENT	8210 t
LIGHT WEIGHT	3271 t





<p><b>DOORS / RAMPS</b></p>	<p>Two straight stern ramps, wire winch/hydraulic operated with following characteristics:</p> <p>Starboard ramp leading to main deck:</p> <ul style="list-style-type: none"> <li>- Total length of the ramp: 10670 mm. - Width: 7500 mm</li> <li>- Clearance: 7485 mm Width x 6532 mm Height</li> <li>- Maximum permitted weight over the starboard stern door is 60 mt</li> </ul> <p>Main deck to lower deck ramp is max 12 degree, with a clearance of 2500 mm, Width 2510 mm.</p> <p>Portside ramp leading to upper deck:</p> <ul style="list-style-type: none"> <li>- Total Length: 15670 mm x Width: 7100 mm</li> <li>- Clearance: 7468 mm Width x 7200 mm Height</li> <li>- The angle of the fixed ramp is max 8 degree.</li> <li>- Max permitted weight over the port stern door is 50 mt</li> </ul>
<p><b>LOWER HOLD (TANKTOP)</b></p>	<p>Lower hold deck area: 676 sqm                  Lower hold volume: 2300 m3                  Cars: 44 units</p> <p>Deck load, uniform distributed weight tons/sqm                  Maximum axle weight: 4 tons and single tyres.</p> <p>Apart from this, cargos of various types can be carried taking into account the existing cargo area and not exceeding the permissible load on the decks, ramps and doors.</p> <p>The vessel is suitable for the carriage of dangerous goods as the certificate of compliance issued by classification societies.</p>
<p><b>MAIN HOLD</b></p>	<p>Main hold deck area: 1480 sqm                  Main hold volume: 13600 m3                  TIR Loading line: 586 m</p> <p>Trailers 40'/12 m 44 pcs                  Trailers with tractor 40'/12 m 30 units                  Mafi trailer 20'/6 m 68 units</p> <p>Uniform distributed weight: 3 tons/sqm                  Wheel axle weight:                  -Highway trucks, with maximum total weight 40 tons</p>



MAIN HOLD	<p>And double tyres. Max axle weight 17,5 Tons and max Bogie-truck 35 tons and max distance between axles 1,32 m</p> <ul style="list-style-type: none"> <li>- Roll-trailers with max total weight 45 tons</li> <li>Max axle weight 15 tons on 2 x 4 wheels with compact rubber tyres</li> <li>Max bogie-truck weight 30 tons distributed on 2 spatial axles at 0,7 m.</li> <li>- Tugmasters, max. axle load 25 tons with double tyres. Min. contact patch: 0,27 x 0,63 m.</li> <li>- Forklift trucks, max. axle load 45 tons with double pneumatic tyres</li> <li>- Containers, two levels of 20' teu with max. weight of stack 42,6 tons</li> </ul> <p>Stowed according to container plan.</p>
VEHICLE DECK CAPACITIES:	-
	UPPER DECK AREA: 1815 sqm
	TRAILERS LANE METRES : 664 M
	TRAILERS : 40ft/12 m x 48 units
	TRAILERS WITH TRACTOR : 37 units
	MAFI TRAILER : 20ft/6 m x 75 units
	Free heights: Upper deck 6.2 m, main deck 6.2 m, lower hold 2.5 m
	Uniform distributed weight: 2 tons/sqm
	WHEEL AXLE WEIGHT:
	- Highway trucks with max. total weight 40 tons and double tyres. Max. axle weight 17.5 tons and max. Bogie-truck 35 tons and max. distance between axles 1.32 m
	- Roll-trailers, with max. total weight 45 tons. Max. axle weight 15 tons on 2 x 4 wheels with compact rubber tyres max. Bogie-truck weight 30 tons distributed on 2 spatial axles at 0.7 m
	- Tugmasters, max. axle load 25 tons with double tyres. Min. contact patch: 0.27 x 0.63 m
	- Forklift trucks, max. axle load 40 tons with double pneumatic tyres.
	- Containers two levels of 20ft teu with max. weight of stack 30 tons stowed according to container plan.
LANE METRES	Total 1250 lanem (MD 664; WD 586)
MAIN ENGINES	MAIN ENGINES x 2 MAKER: KRUPP MAK . TYPE: 9M453 AK. OUTPUT: 3600 HP AT 600 rpm
AUXILIARY MACHINERY	AUXILIARY DIESEL x 2 MAKER: CATERPILLAR TYPE: 3412 PCTA-JWAC . OUTPUT: 565 BHP AT 1800 rpm



SPEED/CONSUMPTION	About 15 Kn on 24 mt/24 hours up to Beaufort Force 4, Seastate 3 About 14 Kn on 21 mt/24 hours up to Beaufort Force 4, Seastate 3 About 12.5 kn on 17 mt/24 hours up to Beaufort Force 4, Seastate 3
PORT CONSUMPTION	OTHER DAILY CONSUMPTIONS: DIESEL GENERATOR at sea (GO) = About 1.5 mt/24 hours DIESEL GENERATORS X 2 at sea with reefers (GO) = About 2.1 mt/24 hours (both generators in use) DIESEL GENERATORS in port = About 0.7 mt/24 hours (each one) BOILER CONSUMPTION (GO) = About 0.7mt/24 hours MANOUVERING CONSUMPTION (GO) = About 0.8mt/hour LUBOIL: MAIN ENGINES = About 40 litres/24 hours (both engines) AUXILIARY ENGINES = About 10 litres/24 hours (each one)
PROPELLER	PROPELLERS x 2 MAKER: ULSTEIN PROPELLER. Type: SKEWED SHAPE 4 BLADES CONTROLLABLE PITCH
BOWTHRUSTER	MAKER: ULSTEIN. Type: DIESEL DRIVEN/CATERPILLAR 3408 PCTAJWAC. Output: 465 BHP AT 2000 RP
BRIDGE WING CONTROLS	Yes
BUNKER CAPACITY	HEAVY FUEL OIL: 855 m3 GAS OIL: 210 m3 LUBRICATING OIL : 40 m3
FUEL SPECIFICATION	IFO (intermediate fuel oil 40 CST) Density at 15°C, kg/cbm: 950.0-970.0 Kinematic viscosity at 40°C: 40 cSt Flash point: 80°C Water, % (VAT): <0.5 Sulphur, % (m/m): Max. 3 (1.5)
FOR GAS OIL	Density at 15°C, kg/cbm: 850.0-860.0 Kinematic viscosity at 40°C: 1.5-1.6 cSt Flash point, °C: 60 Water, % (VAT): <0.01 Sulphur, % (m/m): Max. 1.5
BALLAST	2880 m3 + roll reduction tanks
VENTILATION	Holds have longitudinal ventilation air change 10 times/hour at sea (6 unfavorable sea) air change 30 times/hour during loading reversible fans explosion proof. MAIN HOLD: 3 fans each 131 700 m3/HR 82mm Wc LOWER HOLD: 2 Fans each 28000 m3/HR 78 mm Wc



DISTANCES	Bridge/Bow 84,8 m
* *	Bridge/Stern 36,7 m
AIR DRAUGHT	46 m
BUNKER STATION	Weather deck port and starboard.
* *	Weather deck
OFFICER/CREW BERTHS	20
DRIVER ACCOMODATION	12 pass (6 x 2 cabins)
SHORE POWER CONNECTION	440 U, 60 Hz
CO2 SMOTHERING	Engine room and holds
* * LIFEBOATS	2 x 52 persons
LIFERAFTS	4 x 12 man
NAVIGATION EQUIPMENT	RADARS: -KELVIN HUGHES NUCLEUS 5000 R x 1 set
	-Furuno FR 2117
	-DECCA 65332 x 1 set
	-SATELITE NAVIGATOR GPS: FURUNO GP 150 x 1 set + GP31
	-NAVTEX: LORAN C x 1 set
	-VHF RADIO: SAILOR 2048 x 2 set + DSC RM 2042
	-AUTO-PILOT: DECCA ARKAS -ENGLAND DECCA PILOT 450 x 1 set
	--ECHOSOUNDER: HONEYWELL ELAC-GERMANY LAZ 51 ATR 303
	-LOG: BERGEN NAUTIK -ENGLAND LOG x 1 set
COMMUNICATIONS	GMDSS System A1 + A2 SAILOR COMPACT 2000 GMDSS Station
SHAFT ALTERNATORS	ALTERNATORS x 2 MAKER: NEW ENGINEERS LTD.
	TYPE: ANC 634 A. . OUTPUT: 499KVA / 440 V / 60 Hz