

## ***M/V “CAR EXPRESS” – RoRo/PCTC***



**Type of Vessel:**

**Completely Reconstructed to PCC:**

**Built:**

**Speed:**

**Loading Capacity:**

**The vessel is in excellent condition; Practically a New Building**

**RoRo-PCC (Pure Car Carrier)**

**January 2009**

**1991**

**abt. 20 Kn.**

**abt. 650 Private Cars**

# M/V "CAR EXPRESS" – Technical Information

|   |   |
|---|---|
| Ship's Name.....  | M/V "CAR EXPRESS"   |
| IMO No.....   | 9030644   |
| Registered Owners.....  | CAR EXPRESS SHIPPING LIMITED-MALTA  |
| Flag & Port of Registry.....  | MALTA-VALLETTA  |
| Classed.....  | RS  |
| Call Sign.....  | 9HQD9   |
| Vessel is not Ice Classed; Vessel is fitted for passage in Suez Canal and Panama Canal.                                       |   |
| GRT/ NRT/ Dwt (mts).....  | 6,340 / 1,902 /3,283  |
| Freeboard Summer (mm).....  | 286   |
| LOA/ Breadth / LBP / Draft/ Depth (m).....  | 131.16 / 20 / 122.05 / 5.406 / 9  |
| Shipbuilder.....  | YAMANISHI SHIPBUILDING CO., LTD.  |
| Date of Build/Launch.....   | 05-1991 / 06-1991   |
| <b>Vessel completed a Reconstruction to PCC on JANUARY 2009 – The vessel is in Excellent condition – same as New Building</b> |   |
| Main Engine.....  | NKK 18 PCS PIELCTICK -6,790 HP -1 SET   |
| Propeller.....  | KAMOWA C.P.P. (4 BLADES 4700mm D – 4697mm PITCH)-1 SET  |
| Bow Thruster .....  | 650 KW/10T  |
| Generator.....  | DAIHATSU DL-22 -1100 HP -950KVA-440V-60Hz – 2 SET   |
| Quarter Stern Ramp.....   | Trim ..... up to 2°<br>Hill (Roll) ..... up to 3°<br>Reach (m.) ..... 16 .<br>Opening Clearance (m.)..... Width: 7./ Height: 6 .<br>SWL (mts) ..... 45. |
| Tank Capacities.....  | IFO 180(mts)..... 470<br>MGO(mts)..... 52<br>FRESH WATER(mts)..... 78   |

\* All information given, "about", in good faith but without guarantee.



# M/V "CAR EXPRESS" – Performance

| Speed (Kn) | M/E (IFO 180;<br>mts. per 24hrs.) | One Generator (IFO<br>180; mts per 24hrs.) | Two Generators* (IF<br>180; mts per 24hrs.) | Boiler **<br>(MDO; mts per 24hrs.) |
|------------|-----------------------------------|--|---|------------------------------------|
| 15         | 17.8****                          | 2.3  | 3.2   | N/A                                |
| 15.6       | 18.6***                           | 2.3  | 3.2   | N/A                                |
| 16         | 20.5****                          | 2.3  | 3.2   | N/A                                |
| 17         | 23.5****                          | 2.3  | 3.2   | N/A                                |
| 18         | 26***                             | 2.3  | 3.2   | N/A                                |
| 19/20      |                                   | 2.3  | 3.2   | N/A                                |

\* Only during maneuvering, berthing , entering and leaving of ports, and bad weather conditions (exceeding BF3, DSS3) 2 generators are operated.

\*\* Vessel has an economizer (exhaust boiler), and accordingly above 12 Kn. speed no boiler is in use. At a speed less than 12 Kn (when boiler is in use) and when starting the M/E, the consumption is 0.6 mts/24hrs.

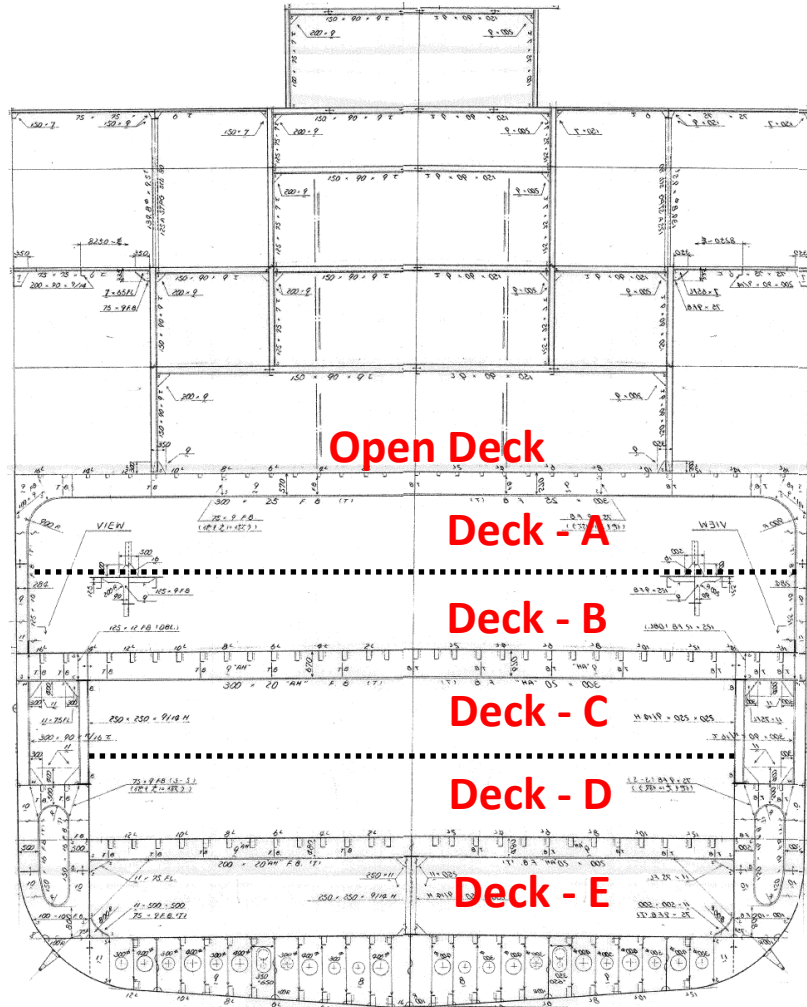
\*\*\* based on information provided by engine manufacturer.

\*\*\*\* based on details provided by previous owners

\*\*\*\*\*All information, about, given in good faith, but without guarantee.



# M/V "CAR EXPRESS" – Cargo Decks



| Descriptions | Car Intake (ceu)* | Area in Square Meters (sqm) | Clearance (m)**** | Allowable Max Weight of Loading Cars (t) | Allowable Uniformly Distributed Pressure for Deck (kN/m2)* | Allowable Wheel Load (kN/wheel)* |
|--------------|-------------------|-----------------------------|-------------------|--|--|----------------------------------|
| Open Deck    | 123               | 1220                        | N/A               | 1.5                                      | 5.6  | 3.8                              |
| Deck "A"     | 171               | 1700                        | abt. 1.95/1.65**  | 2.0                                      | 5.6  | 5.0                              |
| Deck "B"     | 161               | 1700                        | abt. 1.95/1.85**  | 3.0                                      | 12.0   | 84.5                             |
| Deck "C"     | 82                | 702                         | abt. 1.80/1.60**  | 2.0                                      | 5.6  | 5.0                              |
| Deck "D"     | 64                | 540                         | abt. 1.85         | 3.0                                      | 12.0   | 84.5                             |
| Deck "E"     | 51                | 415                         | abt. 1.65         | 2.0                                      | 6.4  | 6.0                              |
|              | 652 ***           | 6,277                       |                   |  |  |                                  |

\* Car Intake and Deck area include slope-ways and the cars located in them;

The passage-way between any two cars is 600mm.

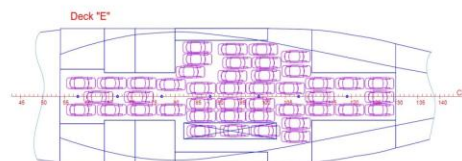
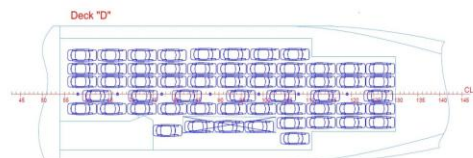
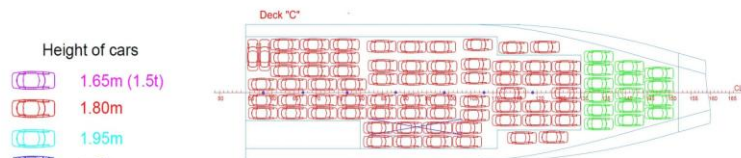
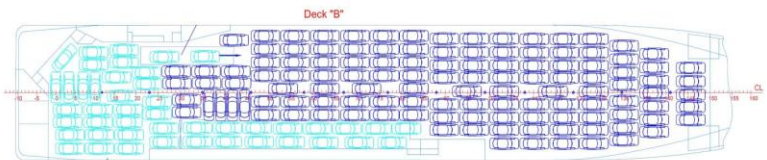
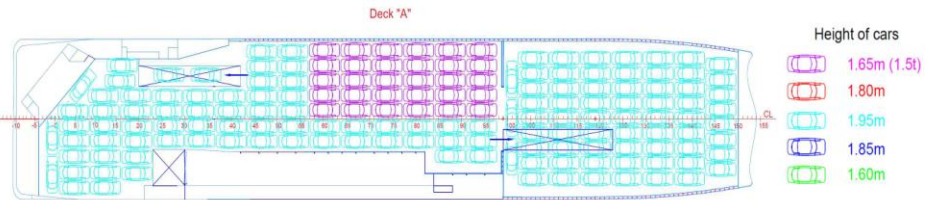
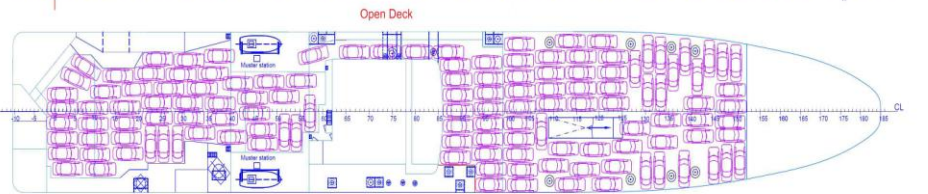
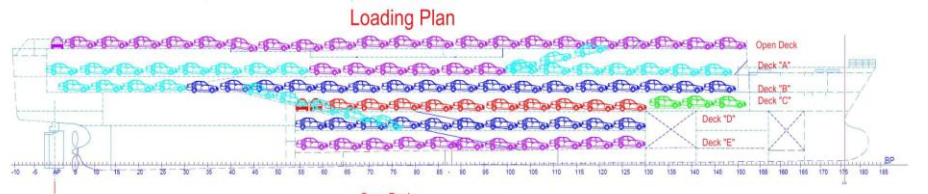
\*\* Alternative clearances – please see enclosed loading plan.

\*\*\* Car Intake based on the 2008 model of Toyota Corolla - (L / B / H- in mm) – 4700 / 1700 / 1400.

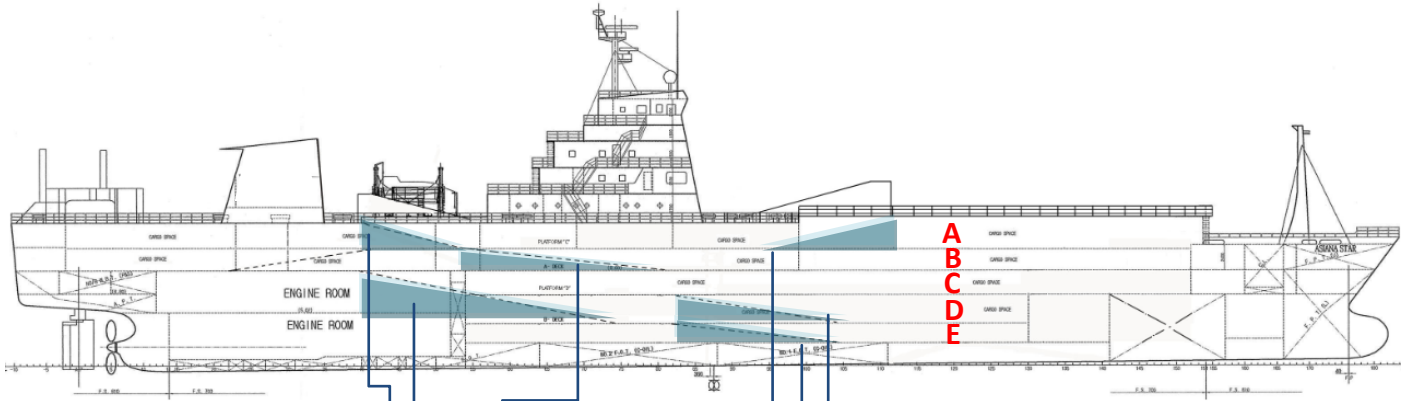
\*\*\*\* The clearance of all slopeways is identical to the clearance of each deck that the corresponding slopeway leads to.; the clearance of the slopeway from Deck A to the Open Deck is 2.02m.

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# M/V "CAR EXPRESS" – Cargo Decks



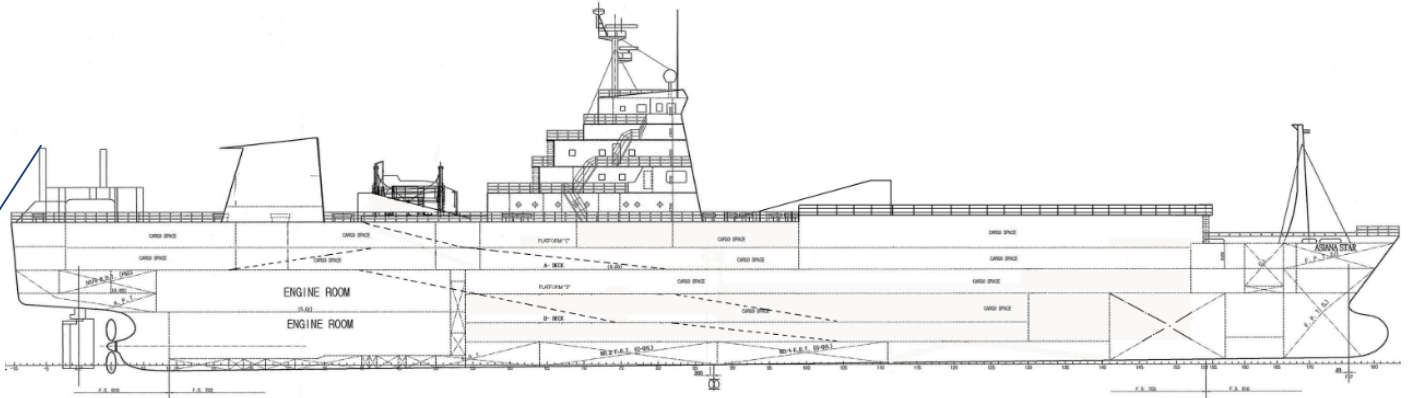
# M/V "CAR EXPRESS" – Slope-ways



| Direction                  | Angle |
|----------------------------|-------|
| From Deck "A" to open Deck | 10 °  |
| From Deck "B" to Deck "A"  | 8 °   |
| From Deck "B" to Deck "D"  | 11 °  |
| From Deck "D" to Deck "C"  | 9 °   |
| From Deck "D" to Deck "E"  | 10 °  |



# M/V "CAR EXPRESS" – Qurt-stern Ramp



Quarter Stern Ramp (Port Side):

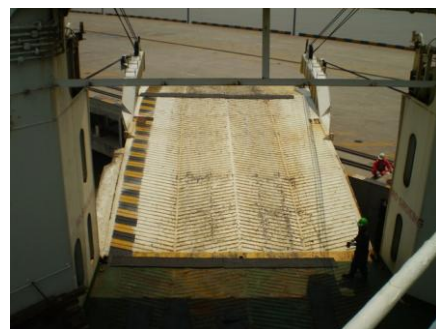
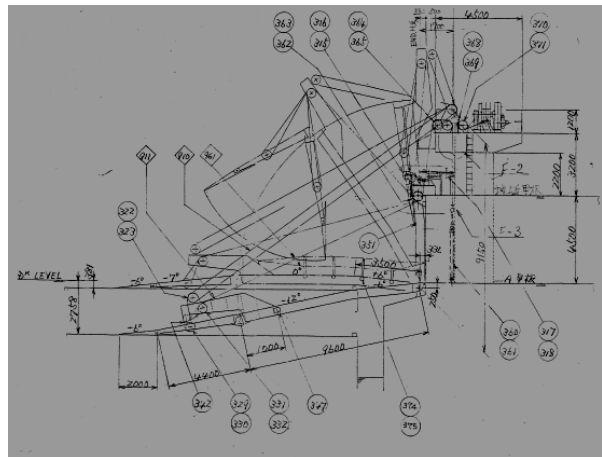
Length: 21.65m

Breadth: 6.5m

SWL: 40MT

Clearance: 4.1m

Angle: 0-15°



# M/V "CAR EXPRESS" – Possible Other Configuration

| Deck              | Cargo Intake  | Area in Square Meters (sqm) | Clearance (m)       |
|-------------------|---|-----------------------------|---------------------|
| Open deck         | 123   | 1220                        | N/A                 |
| <b>B</b>          | <b>140 / or / Abt. 20 trailers<br/>and abt. 20 cars</b> | <b>1700</b>                 | <b>abt. 4.2/3.9</b> |
| C                 | 82  | 702                         | abt. 1.80/1.60      |
| D                 | 64  | 540                         | abt. 1.85           |
| E – Double Bottom | 51  | 415                         | abt. 1.65           |
| <b>Total:</b>     |   | <b>6,277</b>                |                     |

The idea is to cut down a large part of the current Deck A so that the current Deck B will be of considerably higher clearance:





# M/V "CAR EXPRESS" – Hull and Underwater Parts

