# AUTO EXPRESS 85

**PRINCIPAL DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length overall</td>
<td>85.0 m</td>
</tr>
<tr>
<td>Length (waterline)</td>
<td>76.4 m</td>
</tr>
<tr>
<td>Beam (moulded)</td>
<td>21.2 m</td>
</tr>
<tr>
<td>Depth (moulded)</td>
<td>6.5 m</td>
</tr>
<tr>
<td>Hull draft (maximum)</td>
<td>3.1 m</td>
</tr>
</tbody>
</table>

**PAYLOAD AND CAPACITIES**

- **Passengers**: 810
- **Vehicles**: 154 cars or 4 buses and 131 cars
- **Maximum deadweight**: 470 tonnes
- **Maximum axle loads**:
  - Centre lanes (dual axle): 12.0 tonnes
  - Centre lanes (single axle): 9.0 tonnes
  - Side lanes: 1.0 tonne
- **Vehicle deck clear heights**:
  - Centre lanes: 4.3 metres
  - Side lanes (above mezzanine): 2.0 metres
  - Side lanes (below mezzanine): 2.2 metres
- **Crew**: 24
- **Fuel**: 111,000 litres

**PROPULSION**

- **Main engines**: 4 x Caterpillar 3618
  - 4 x 7,200 kW @ 1,050 rpm
- **Gearboxes**: 4 x Reintjes WJ 6831
- **Waterjets**: 4 x KaMeWa 112 S11

**PERFORMANCE** (with Ride Control fitted)

- **Speed (90% MCR)**: 39.0 knots

**CLASSIFICATION**

Germanischer Lloyd

* 100 A5, HSC-B OC4, Highspeed Passenger/Ro Ro Type, MC, AUT

Hellenic Flag Authority
AUTOMOBILE EXPRESS 85

Vessel type: 85m High Speed Vehicle-Passenger Catamaran

PROFILE

BRIDGE DECK

UPPER DECK

MEZZANINE DECK

MAIN DECK

HULLS

Vessel type: 85m High Speed Vehicle—Passenger Catamaran

VARD NO.: 285

DESTINATION: GREECE

DELIVERED: JULY 2005

CLIENT: HELLENIC SEAWAYS