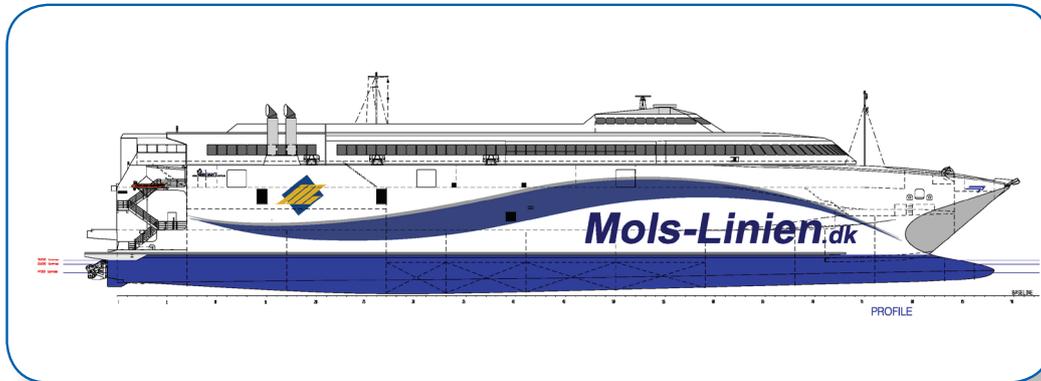


112m**HULL 067**

Hull 067

112m Wave Piercing Ro/Pax Catamaran



General Particulars

Yard No: 067
 Designer: Revolution Design Pty Ltd.
 Builder: Incat Tasmania Pty Ltd.
 Class Society: Det Norske Veritas
 Certification: DNV +1A1 HSLC R1 Car Ferry "B" EO
 Length overall: 112.60 m
 Length waterline: 105.60 m
 Beam moulded: 30.50 m
 Beam of Hulls: 5.80 m
 Draft: 4.18m
 Speed: approx 42.1 knots at 671.5 DWT

Capacities

Max Deadweight - 1497 tonnes
 Passenger Capacity - 1000 persons (including crew)
 Passenger Deck - located on one level, Tier 3, is divided into three lounges:
 - Forward Tier 3 Business Class Lounge
 - Midships Tier 3 Economy Class Lounge.
 - Aft Tier 3 Baresso™ Cafe Lounge

Vehicle Capacity - 415 cars (567 truck lane metres at 3.1m wide and 4.6m clear height plus 210 cars at 4.5m length x 2.3m wide)

Axle load - Tier 1 - 13 tonne (single axle dual wheel) between transom and frame 72, CL to 7100 and between Transom and frame 63 outboard of 7100. 2.0 tonnes (single axle dual wheel) fwd of frame 63 (outboard of 7100 only) and fwd of frame 72 elsewhere.

Axle load - Tier 2 - 2.0 tonne (single axle)

Tankage

Fuel Oil (Storage tanks) - 300,000 litres
 Fuel Oil (Header tanks) - 2 x 1240 litres
 Genset Fuel Oil - 2 x 1240 litres
 Fresh Water - 1 x 5,000 litres
 Sewage - 1 x 6,500 litres
 Lube Oil - 1 x 1,000 litres
 Bilge Holding - 1 x 1,000 litres
 ER Oily Water - 4 x 160 litres
 Engine Coolant - 1 x 4,000 litres
 Aft Hydraulic Oil - 2 x 500 litres
 Fwd Hydraulic Oil - 1 x 500 litres

Construction

Design - Two slender, aluminum hulls connected by a bridging section with center bow structure at fwd end. Each hull is divided into ten vented, watertight compartments divided by transverse bulkheads. Two compartments in each hull are prepared as fuel tanks with additional strengthening on each of the end bulkheads and intermediate tank tops.

Air Conditioning

Reverse cycle heat pump units throughout capable of maintaining between 20-22 deg C and 50% RH with a full passenger load and ambient temperature of between -5 deg C and 35 deg C and 60 % RH.

Safety & Evacuation

Four Marine Evacuation Stations (MES), two port and two starboard, each MES capable of serving a total of up to 300 persons. A total of eleven, 100-person life rafts are fitted. 2 x SOLAS inflatable dinghy with 30 hp motor and approved launch / recovery method.

Machinery

Main Engines - 4 x resiliently mounted MAN 28/33D marine diesel engines, each rated at 9000 kW at 100% MCR.

Water Jets - 4 x Wartsila IJX 1500SR waterjets configured for steering and reverse.

Transmission - 4 x ZF NR2H 60000 gearboxes, with reduction ratio suited for optimum jet shaft speed.

Hydraulics - Three hydraulic power packs, one forward and two aft, all alarmed for low level, high temperature and filter clog and low pressure. One pressure line filter and two return line filters fitted. An off-line filter / pump provided.

Ride Control - A 'Maritime Dynamics' active ride control system is fitted to maximise passenger comfort. This system combines active trim tabs aft.

Electrical

Alternators - 4 x MAN D 320ekW (nominal) marine, brushless, self-excited alternators. The alternators are arranged for automatic startup and paralleling. The automation will consider one alternator maintained as a standby set.

Distribution - 415V, 60 Hz. 3 phase. 4 wire distribution with neutral earth allowing 240 volt supply using one phase and one neutral. Distribution via distribution boards adjacent to or within the space they serve. 100-amp 415V 3-phase connection point fitted in starboard anteroom.

Details provided are based on original design and certification.

For information on Incat representatives in your region contact head office

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