

RMF Systems Case

MARINE

INCAT BUILT THE WORLD'S FIRST HIGH SPEED RO-RO FERRY TO BE POWERED BY LNG AS A PRIMARY FUEL. THE SHIP WILL SERVICE PASSENGERS CROSSING THE RIVER PLATE BETWEEN ARGENTINA AND URUGUAY FOR SOUTH AMERICAN CUSTOMER BUQUEBUS. FRANCISCO, HAS THE CAPACITY FOR OVER 1000 PASSENGERS AND 150 CARS IT HAS A PROVEN LIGHTSHIP SPEED OF 53 KNOTS, AND AN AVERAGE OPERATING SPEED OF 50 KNOTS (±92 KM/H).

The vessel contains three hydraulic powerpacks, one forward and two aft. All powerpacks are alarmed for low oil level, high temperature, filter clogged and low pressure.

The powerpacks supply hydraulics for capstans, trim tabs, steering gear and stern ramp.

The power packs are critical for the proper functioning of the vessel. To prevent any water and solid particle contamination the powerpacks are equipped with RMF Systems KL121R desiccant breathers

The KL121R desiccant breathers remove moisture from the air and 3 micron microglass airfilter removes airborne solid particles.

VESSEL SPECIFICATION

Length: 99,0 m

Beam: 26,94 m

Draft: 2,98m

Deadweight: 450 tonnes

Capacity: Over 1000 passengers and 150 cars

Engines: GE Gas Turbine LM2500 2 x 22 MW

Total power: 44 MW

Waterjets: Wartsila LJX 1720SR

Gearbox: Renk: Bus 175



PRODUCT DETAILS

Height: 280 mm

Diameter: 128 mm

Connection (G): 1 ¼ BSP male

Total weight: 2.7 kg

Z-R gel volume: 1000 cc

Water absorption capacity: 288 gram

Max. air flow: 1500 l/min

Absorption material: Z-R gel Non toxic