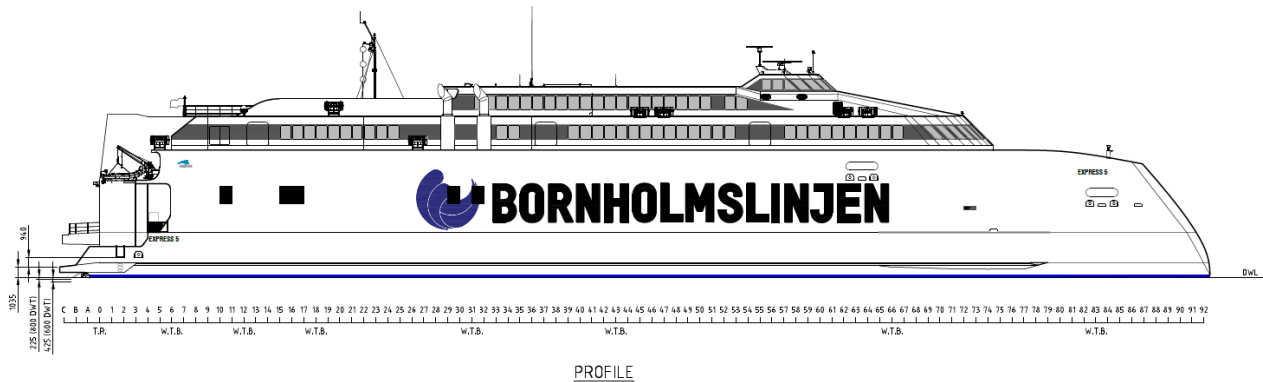


Express 5

Figur 1: Skitse over den nye hurtigfærge



Principal Particulars

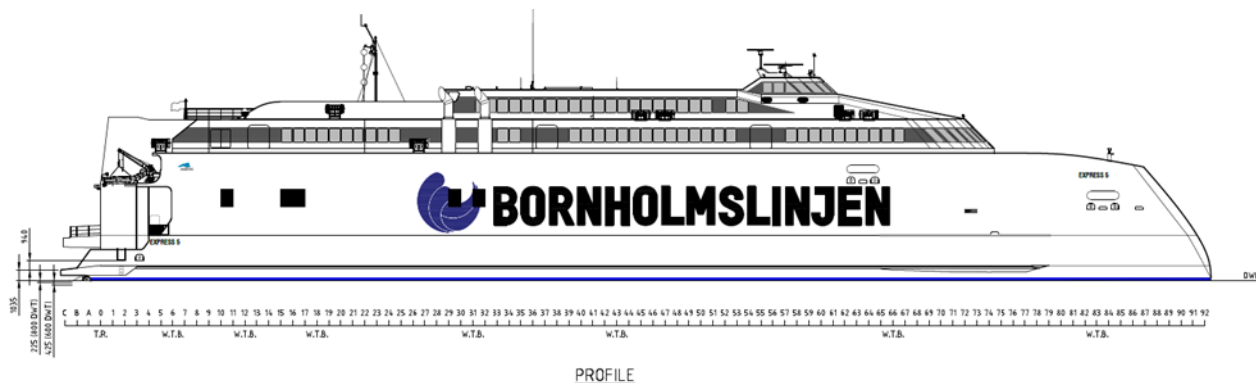
Length o. a.:	115 m
Length p. p.:	111 m
Beam:	30.5 m
Deadweight:	1000 tonnes
Max draught:	3.3 m

Capacity

Passengers:	1600
Vehicles:	450 cars or 470 LM and 300 cars
Passenger decks:	2 Tiers
Car decks:	2 Tiers

Express 5

Figur 2: Skitse over den nye hurtigfærge



Operation and Trade Rønne-Ystad

Year of construction 2022

Propulsion

Main Engines: 4 x Wärtsilä 16V31, 9760 kW

Water Jets: 4 x Wärtsilä WXJ1500SRI

Bow Thrusters: 2 x ZF Retractable

Motion control: 2 x T-Foils forward and
Active Trim Tabs aft

Steering: 2 x T-Max steering rudders

Performance

Expected Service speed: 37 knots

MSI: Motion sickness dose values calculated in accordance with ISO 2631 – 1:1997 for Express 5 will be a considerable improvement compared to HSC Leonora Christina with a motion sickness dose value of 6,75 % at Hs = 3,0 m equivalent to the threshold for right of cancelation of the ferry service according to the contract with the Ministry of Transport and Housing

Stationkeeping: Express 5 will be fitted with 2 x ZF Retractable with a capacity of 2x450 kW and Express 5 is constructed to a stationkeeping of wind speed of 18 m/s and irrespective of direction of the wind

Environmentally: The four main engines in Express 5 Wärtsilä 16V31 are the most efficient main engines on the market and are 10 % more efficient than the present main engines in Express 1, which higher efficiency also will improve MSI and increase the stationkeeping. Emission is expected to be reduced by 2,5 % compared to Express 1