

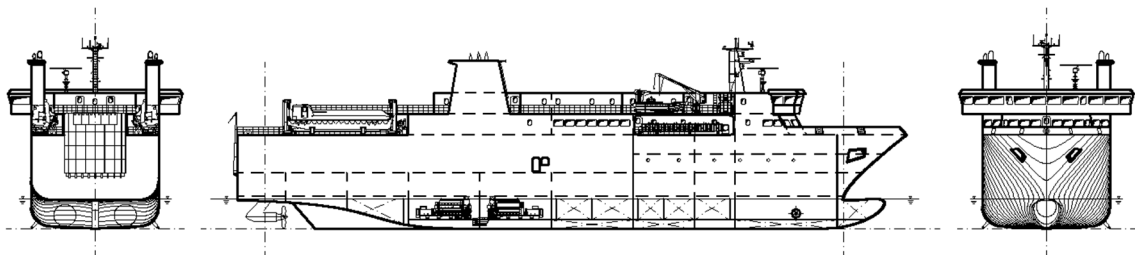
Ferry Design Competition 2014

Team Hochschule Bremen



MAIN DIMENSIONS

Length between perpendiculars	Lpp	68.00 m	223.10 ft
Length over all	Loa	78.56 m	257.74 ft
Length in waterline	Lwl	71.20 m	233.60 ft
Beam	B	15.00 m	49.21 ft
Draught Design	Tdes	3.50 m	11.48 ft
Draught max	Tmax	3.60 m	11.81 ft
Depth	D	11.00 m	36.09 ft
Service Speed	vs	16 kn	
cb Design	cb	0.55	
Frame Spacing	a	600 mm	23.62 in
Displacement, Design	Δ	2026.1 t	2233.4 ton
Deadweight	dwt	477.3 t	526.13 ton
Lightweight	lwt	1548.8 t	1707.2 ton
Range		1000 sm	
Endurance at sea		3 days	
Number engines		6	
Output of each Engine		944 kW	1283.5 PS
Propellers/Azipods		2	
Max. Power of each Azipod		2300 kW	3127.1 PS
Bow thruster		350 kW	475.9 PS
HFO-Capacity		123.8 t	136.5 ton
FW-Capacity		175.2 t	193.1 ton
Gray-/Black-Water Capacity		86.0 t	94.8 ton
Ballast Water-Capacity		380.3 t	419.2 ton
Persons		30.0 t	33.1 ton
Luggage		6.0 t	6.6 ton
Vehicles		130.0 t	143.3 ton
Provision		9.0 t	9.9 ton
Passengers		200	
Crew		15	
Vehicles		6 trucks	
(Example as shown in General Arrangement)		4 small trucks	
		4 medium sized busses	
		6 mini busses	
		6 cars	
Lane Meters		175.6 m	576.12 ft



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