



GENERAL OVERVIEW

FEATURE	DETAILS
Vessel Type	Sail training vessel / three-masted full-rigged ship (frigate-type tall ship)
Owner / Operator	Gdynia Maritime University
Flag	Poland
Port of Registry	Gdynia
Call Sign	SQLZ
Classification Society	Polish Register of Shipping (PRS)
PRS Class	* KM 1 F
Builder	Lenin Shipyard, Gdańsk
Year Built	1982
Construction Number	B 95/1
Key Dates	Keel laid: 30 June 1981; launched: 12 November 1981; commissioned: 30 June 1982; first flag raising: 4 July 1982

PRINCIPAL DIMENSIONS AND CAPACITIES

PARAMETER	SPECIFICATION
Length Overall (LOA)	108.815 m (including bowsprit)
Hull Length	94.800 m
Length Between Perpendiculars (LBP)	79.400 m
Maximum Beam	14.000 m
Design Draught	6.000 m
Maximum Draught	6.370 m
Height of Upper Deck	10.050 m
Height of Bulkhead Deck	7.815 m
Gross Tonnage	2,384.85 RT
Net Tonnage	335.37 RT
Lightship Weight	2,086.2 t
Maximum Displacement	2,791.3 t
Maximum Load Capacity	705.1 t

CAPACITIES AND ACCOMMODATION

PARAMETER	SPECIFICATION
Fuel Capacity	219.3 t
Fresh Water Capacity	347.1 t
Permanent Crew	40–42 persons
Instructional Staff / Lecturers	4–5 persons
Trainees / Cadets	136 persons
Maximum Persons Onboard	224 persons
Permanent Berthing Capacity	189 places
Provisions Capacity	For 165 persons for 15 weeks

RIGGING, MASTS AND SAIL CAPABILITIES

FEATURE	SPECIFICATION
Rig Type	Full-rigged three-masted ship
Total Sail Area (Theoretical)	3,015 m ²
Total Sail Area (Actual)	2,839 m ²
Number of Sails	26
Foremast Height	49.5 m (from waterline)
Mainmast Height	49.5 m (from waterline)
Mizzenmast Height	46.5 m (from waterline)
Bowsprit Length	19.20 m (from deck)

RECORDED SAILING PERFORMANCE

PARAMETER	SPECIFICATION
Maximum Daily Distance	264.7 nautical miles
Maximum Watch Distance	56.1 nautical miles
Maximum Recorded Instantaneous Speed Under Sail	16.5 knots

MACHINERY AND AUXILIARY SYSTEMS

SYSTEM	SPECIFICATION
Machinery Class	A 16
Main Engines	2 × Cegielski-Sulzer 8 AL 20/24 diesel engines
Main Engine Power	2 × 750 HP (553 kW each)
Engine Speed	750 rpm
Cylinder Diameter	200 mm
Piston Stroke	240 mm
Maximum Total Main Engine Output	1,106 kW
Main Generator Set	Cegielski-Sulzer, 600 HP (415 kW)
Generator Output	480 kVA / 3 × 400 V
Shaft Generators	2 units
Emergency Generator	120 kVA

SAFETY AND DECK EQUIPMENT

FEATURE	SPECIFICATION
Lifeboats	4 × Ustka rigid lifeboats (56 persons capacity each)
Life Rafts	12 × inflatable life rafts (10 persons capacity each)
Anchors	3 × Hall anchors (1.5 t each)
Anchor Chains	34 mm diameter; port: 225 m; starboard: 250 m

ACCOMMODATION LAYOUT

ACCOMMODATION TYPE	CAPACITY
Captain's Suite	1 person
En-suite Cabins	6 persons
Single Cabins	10 persons
Double Cabins	30 persons
Cadet Quarters	138 persons
Four-person Cabin	4 persons
Total Berthing Capacity	189 places