

20,000 tdw Heavy Cargo Carrier with twin 700 tons main cranes



Principal Dimensions

Length o.a.	168.68 m
Length bpp	155.19 m
Breadth mld	25.20 m
Depth	13.85 m
Draught	8.10/9.50 m
Deadweight	abt. 19,700/ 20,000 ton
Tonnage	abt. 18,350 GT abt. 6,950 NT
Air draft	abt. 43.20 m

Hold Capacity

Hold 1	3,775m ³
Hold 2	<u>22,900m³</u>
Total	26,675m ³

Cargo Holds

Two cargo holds covered with hydraulic folding hatch covers and pontoon covers
 Hatch 1: 23.68 x 13.76 m
 Hatch 2: 83.14 x 18.66 m

2 grommet stores

Container Capacity

Deck	500 TEU
Hold	<u>474 TEU</u>
Total	974 TEU

Deck cranes

Two main cargo cranes:
 700 ton SWL at 14 m
 500 ton SWL at 21 m
 40 ton SWL at 33 m

One auxiliary cargo crane:

120 ton SWL at 16 m
95 ton SWL at 19 m
55 ton SWL at 32 m

Propulsion / Manoeuvring

Main engine	9,800 kW at 428 rpm
Fuel	HFO 380
Propeller	CPP
Speed	abt. 17.5 kn at design draught
Rudder	Free-hanging, flap-type
Bowthruster	800 kW

Electric generating plant

440/230 Volt at 60 Hz
 Three diesel driven generators each 600 ekW
 One shaft generator 1050 ekW
 One emergency harbour generator 150 ekW

Classification

Germanischer Lloyd
 + 100 A5; E3, IW
 Strengthened for Heavy Cargoes,
 equipped for containers,
 Multi purpose Dry Cargo Ship
 Solas II, Reg 19, incl. waterspray hold 1,
 + MC AUT
 Flag SeeBG
 EP (Environmental Passport)

Design Load weather deck hatches

Containerloads	20 ft – 60t
	40 ft – 100t
Payload	4,0 t/m ²
	(Twinload area) 5,0 t/m ²

Design Load tween deck hatches

Payload	3,5 t/m ²
Forkliftrucks	

Tankcapacities

Ballast water	12,000 m ³
Potable water	200 m ³
HFO	1,500 m ³
Antiheeling	2 x 700m ³ /hr

Accommodation

Modern, attractive and practical accommodation with private cabins and sanitary facilities.

Ventilation / AC

Central air conditioning unit Heating system with hot water.
 Mechanical hold ventilation

Deck equipment / Life saving

Two anchor-mooring winches foreship
 Two mooring winches aftship
 Two liferafts aftship - two liferaft foreship
 Free-fall life boat
 MOB boat

Nautical / Communication

Certified for GMDSS A3, Iridium, Fleet 77, dual Ecdis

Builder

Hudong Shipyard China, in close cooperation with Volharding Shipyards