

CSSC CAPE TOWN - Mini Capesize bulker

Shipbuilder: CSSC Huangpu Wenchong
Shipbuilding Company Limited
Vessel's name:
Owner/Operator: Fortune Central Shipping
Limited
Country: China
Designer: .Shanghai Merchant Ship Design &
Research Institute (SDARI), CSSC
Country: China
Model test establishment used:China Ship
Scientific Research Center (CSSRC)
Flag: Hong Kong
IMO number:
Total number of sister ships already completed
(excluding ship presented):
Total number of sister chips still on order.
Total number of sister ships still on order: 4

Built by CSSC's Huangpu Wenchong Shipbuilding subsidiary, CSSC Cape Town is a 120,000dwt mini Capesize vessel and the first of a four plus two option series for the builder's shipowning arm, CSSC Leasing, to serve a charter agreement signed in 2018 by commodity giant Cargill.

Designed by Shanghai Merchant Ship Design and Research Institute (SDAPI) to be able to transit the

Research Institute (SDARI) to be able to transit the enlarged Panama Canal locks, the ship type has been promoted as a successor to smaller bulk carriers of between 80,000 and 100,000dwt. At the time the charter contract with Cargill was signed, the company said the vessels would add flexibility to their fleet and would likely be used primarily for coal and grain cargoes.

Although the initial design was by SDARI, certain changes were requested by Cargill during construction, including the installation of scrubbers to meet 2020 SOx regulations.

The builder claims the vessel is the first of its type to meet both the latest IACS harmonised common structural rules and Phase 2 of the EEDI. The required EEDI rating of 3.62 was easily improved by the ship's assigned 2.81 indexing. Construction began in March 2019 and was completed remarkably quickly in May 2020.

CSSC Cape Town is 254.92m in length with a beam of 43m, moulded depth of 20.5m and scantling draught of 14.6m. In appearance it resembles a scaled up Panamax with its seven holds and hatches and gearless configuration. A vertical bow without bulb is adopted and the vessel's cargo capacity is 135,000m3.

The main engine is a Chinese-built MAN B&W 6G60ME-C9.5 type with an output of 11,600kW at 77rpm. To meet SOx emission rules the vessel is fitted with an Ecospray Technologies open loop scrubber serving the main engine and the three Daihatsu auxiliary engines. The ballast treatment system comprises two Headway Technology units with flow rates of 2,600m3/h.

TECHNICAL PARTICULARS

I E O I III O I I I I I I I O O E I I	
Length oa:	254.92m
Length oa: Length bp:	251 00m
Breadth moulded:	43 00m
Donth moulded:	20 F0m
Depth moulded:	20.5011
to main deck:	20.50111
Width of double skin side:	4000
side:	2.46m
bottom:	2.35m
Draught	
scantling:	14.60
Gross:	66 786at
Displacement:	140 0001
Lightweight:	10 5001
Deadweight	13,3000
	120 000
scantling:	120,0001
Block co-efficient (please state releva	ınt
draught):	0.87
Cargo capacity (m3)	
Grain:	135 000
Cargo capacity (m³) Grain: Bunkers (m³)	100,000
Heavy oil:	2 700
Diocal ails	2,700
Diesel oil:	42 000
water ballast (m):	42,000
Classification society and notations: .	DNVGL
 Bulk Carrier, BC(A), CSR, ESP 	, Grab(30),
Hold(2,4&6) may be empty, CMC	ON. COAT-
PSPC(B), BIS, LCS, Recyclable,	Clean FO
BWM(T), TMON (Oil	ubricated)
% high-tensile steel used in construct	ion: 800/
76 High-tensile steel used in construct	1011 0070
Propulsion	

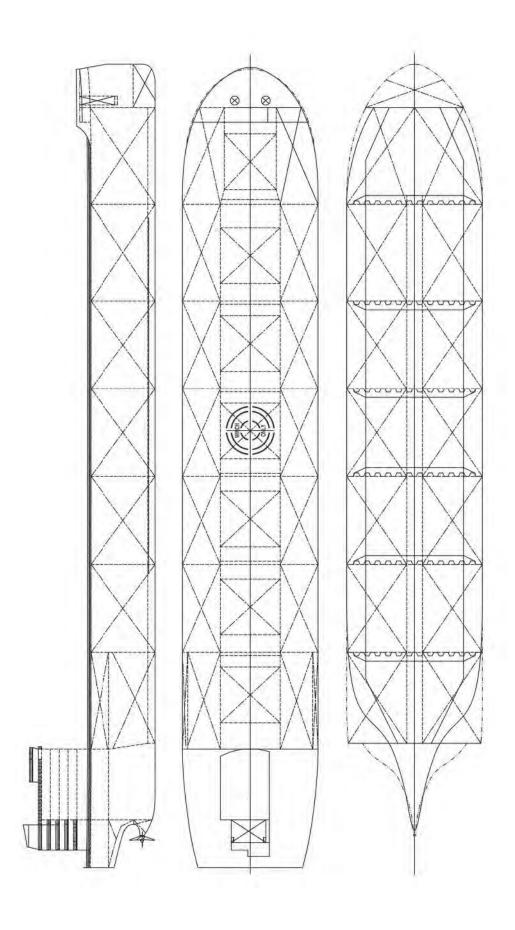
Main engine(s)
Design:Two-stroke, single-acting, direct reversible crosshead type marine diesel engine with constant pressure turbocharging Model: ... CD-MAN-B&W 6G60ME-C9.5 Tier II Manufacturer: CSSC-MES Diesel Number: 1
Type of fuel: HFO, MGO
Output of each engine: SMCR 11,600kW x 77rpm Is this a diesel-electric or hybrid?:No

Propeller(s) Material: Ni-Al-Bronze
Designer/Manufacturer: Wärtsilä-CME
Zhenjiang Propeller Fixed/Controllable pitch:Fixed Diameter: 8,200mm

Diesel-driven alternators Number:3 Engine make/type: ..Anqing-Daihatsu 6DK-20e

Type of fuel:
Exhaust-gas scrubbing equipment Manufacturer: EcoSpray Technologies Type:
Boilers Number:
Output, each boiler: 1,800kg/h at oil fired section, 1,200kg/h at ME exh.gas section
Mooring equipment Number: 6 Make: MacGregor Type: Hydraulic
Special lifesaving equipment Number of each and capacity: 1 free-fall Make:CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Type:YH5.9FP
Type:YH5.9FP
Cargo/capacity Hatch covers Design:
Manufacturer:Upper deck
Ballast water treatment system Make:Headway Technology Capacity:2 x 2,600m³/h
Complement Crew:
Navigation and other equipment Bridge control system Make:
Integrated bridge system?:No
Radars Number:
Fire detection system Make:Consilium Type:Salwico Cargo
Fire extinguishing systems Cargo holds:
Make/Type:Sea water hydrant
Make/Type:NK Co.,Ltd/ high pressure CO ₂ firefighting system, Minimax / local water mist application system, sea water hydrant
Cabins: Make/Type:Sea water hydrant
Public spaces: Make/Type:Sea water hydrant
Waste disposal plant Incinerator Make:CSSC Nanjing Luzhou
Machine Company Limited Model: OG 200C
Sewage plant Make: Il Seung Model: ISB-02
Efficiency Attained EEDI value:
Energy Saving Technologies:PSV
Contract date:

CSSC CAPE TOWN



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