

SELF-PROPELLED HEAVY DECK CARGO VESSEL

TECHNICAL SPECIFICATION | CCS CLASS | BUILT 2015



110.4 m

LOA

32.0 m

BEAM

6.5 m

DEPTH

3,000 m²

DECK AREA

7,201 T

GRT

2015

BUILT

PRINCIPAL DIMENSIONS & PARTICULARS

Ship Type	Heavy Deck Cargo Vessel	Classification Society	CCS
Length Overall (LOA)	110.40 m	Moulded Breadth	32.00 m
Maximum Beam	36.00 m	Moulded Depth	6.50 m
Design Draft	3.80 m	Summer Draft	4.50 m
Full Load Draft	4.483 m	No-Load Draft	3.523 m
Gross Tonnage	7,201 T	Net Tonnage	4,032 T
Load Displacement	14,270.7 T	Light Displacement	4,130.32 T
Hull Material	Steel	Year Built	2015
Navigating Zone	Nearshore (upgradable to unrestricted)	Class Notation	CCS ★CSAD, ★CSMD, BRC

DECK CAPABILITIES

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Effective Deck Area	3,000 m²	Deck Load Capacity	10 t/m²
Frame Spacing	2,400 mm	Deck Configuration	Open heavy lift deck

PROPULSION & PERFORMANCE

Main Engines	2 × 900 kW	Design Speed	8 knots
Propellers	2 × 1,800 mm Ø, 287 rpm	Propeller Manufacturer	Nanjing Gaojing Marine (NRP140)
Bow Thruster	1 × 500 kW	Propulsion Type	Twin screw, azimuth

ELECTRICAL POWER GENERATION

Main Generators (×3)	3 × 1,254 kW @ 1,000 rpm — Jiangsu CSSC Power (MAN B&W; 6L21/31)
Emergency Generator	1 × 75 kW @ 1,500 rpm — Dongfeng Cummins, Model: 6BTAA5.9-GM115
Harbour Generator	1 × 200 kW @ 1,500 rpm — Chongqing Cummins, Model: CCFJ200JCM
Total Installed Power	3,762 kW (main) + 275 kW (standby)

DYNAMIC POSITIONING & MOORING SYSTEM

Positioning Winches	6 × 600 kN	Winch Manufacturer	Shanghai Zhenhua Heavy Industries (ZPMC — Nantong)
Anchor Type	Spek Anchor	Anchor Weight	1 × 4,560 kg
Chain Shackles / Length	10 shackles / 275 m	Chain Diameter	Ø 52 mm
Anchor Windlass Power	2 × 142.5 kW	Windlass Manufacturer	ZPMC Nantong Transmission

ACCOMMODATION

Total Complement	24 persons	Hospital / Sick Bay	1 bed
Single Cabins	7 cabins	Double Cabins	7 cabins

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Suites	3 cabins	Total Berths	24
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TANK CAPACITIES

Ballast Tank Total	8,251.55 m³	Fresh Water Total	587.06 m³
Fuel Oil Total	604.53 m³	Diesel Oil	~270 m³
Potable Water	~420 m³	Bilge / Sludge	Dedicated tanks

CLASS NOTATION & CERTIFICATES

Classification Society	China Classification Society (CCS)
Class Notation	★CSAD — Deck Cargo Vessel, Nearshore Navigation Area
Additional Notations	★CSMD — Remote Bridge Control BRC — Bridge Remote Control
Flag State	People's Republic of China
IMO Compliance	SOLAS, MARPOL — applicable conventions

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