



# SEABOATS

MARINE BROKERS WITH A GLOBAL APPROACH

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## 148m Self-unloading Vessel / Self-discharge Sand Carrier



### Listing ID - 4221

**Description** 148m Self-unloading Vessel/Self-discharge Sand Carrier

**Date Launched** 2022

**Length** 148m (485ft 6in)

**Beam** 23m (75ft 5in)

**Draft** 5.1m (16ft 8in)

**Note** Guangzhou Engine

**Location** China

**Broker** Franklin Taylor  
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**Price** USD 7.3 million

This ship is a stern type, bulbous nose, dual-engine, dual-propeller, dual-rudder, and diesel-powered self-unloading sand boat. There is a poop at the end And three deckhouses. Five cargo compartments are arranged in the cargo compartment area, and the first conveying hanger is retracted into the hull and fixed firmly when it is sailing. This ship is a cargo ship that uses its own belt conveyor to unload sand (cargo density 1.3–1.5t/m<sup>3</sup>). Must be strict when loading The flat cabin is flattened to the bulkheads around the cargo hold.

148m Sand Carriers (Self-unloading type vessel)

Built Year: 2022

LOA: 148m

Beam: 23m

Depth: 7.8m

Light Draft: 2.801m

Loaded Draft: 5.1m  
Loaded Displacement: 12513.200t  
Light Displacement: 3807.847t  
Main Engine: 2100hp + 2100hp Guangzhou Diesel Engine  
Conveyor Main Engine: 2100hp Guangzhou Diesel Engine  
Gross Tonnage: 7160t  
Net Tonnage: 4009t

## **Marine Equipment**

### Host

Model: 6320ZCd-6E  
Type: four-stroke, in-line single-acting, cylindrical piston, irreversible  
Bore/Stroke: 320/440mm  
Continuous Power: 1470kW  
Calibration Speed: 525r/min  
Fuel Consumption: 196g/kW.h  
Oil Consumption Rate: 1.2g/kW.h  
Starting Method: Compressed air

### Gearbox

Model: MG49.54  
Actual Speed Ratio: 3.4348:1  
Nominal Speed Ratio: 3.5:1

### Main Generator Set

Model: CCFJ150J

### Diesel Engine

Model: SC7H250CF2  
Type: in-line, four-stroke, direct injection  
Rated Power: 168 kW  
Rated Speed: 1500 rpm  
Cooling Method: Double-circulation water cooling  
Fuel: Diesel  
Starting Method: Air start

### Dynamo

Type: Brushless AC marine synchronous generator  
Power: 150kW  
Rotating Speed: 1500rpm  
Rated Voltage: 400V  
Rated Frequency: 50Hz

### Parking Generator Set

Model: CCFJ75J

### Diesel Engine

Model: SC4H160CF2  
Type: in-line, four-stroke, direct injection  
Rated Power: 105 kW

Rated Speed: 1500 rpm  
Cooling Method: Double-circulation water cooling  
Fuel: Diesel  
Starting Method: Air start

Dynamo  
Type: Brushless AC marine synchronous generator  
Power: 75kW  
Rotating Speed: 1500rpm  
Rated Voltage: 400V  
Rated Frequency: 50Hz

Engine Room Air Compressor  
Model: CVF-43  
Type: Vertical, air-cooled, two-stage compression  
Displacement: 36m<sup>3</sup>/h  
Pressure: 3Mpa  
Rotating Speed: 1500r/min  
Power: 11Kw

Conveying Diesel Engine Air Compressor Group  
Model: CZ20/30FZK  
Type: Vertical, air-cooled  
Displacement: 20.4m<sup>3</sup>/h  
Pressure: 3Mpa  
Rotating Speed: 1500r/min  
Power: 5.5Kw

Main Air Bottle  
Model: A0.30-3  
Volume: 0.30m<sup>3</sup>  
Pressure: 3MPa

Miscellaneous Air Bottle  
Model: A0.25-1.0  
Type: Vertical cylindrical type  
Volume: 0.25m<sup>3</sup>  
Pressure: 1MPa

Control Air Bottle  
Model: A0.10-1.0  
Type: Vertical cylindrical type  
Volume: 0.10m<sup>3</sup>  
Pressure: 1MPa

Quick Closing Valve Central Box  
Cylinder Volume: 40L  
Work Pressure: 1.0Mpa  
Number of control air channels: (to be determined)

Axle and rudder steel casting system, stern tube sealing device, rudder system sealing means  
No.: 2

Shaft Grounding Device  
No.: 2

Conveyor Built System

Conveyor Belt Drive System  
No.: 1

Conveyor Belt Diesel Engine  
Model: 6320ZCd-6E  
Type: Four-stroke, in-line single-acting, cylindrical Piston, irreversible Bore/Stroke:320/440mm  
Continuous Power: 1470kW  
Calibration Speed: 525r/min  
Fuel Consumption: 196g/kW·h  
Oil Consumption Rate: 1.2g/kW·h  
Starting Method: Compressed air

Conveyor Belt Diesel Engine  
Model: MG45.52  
Speed Ratio: 2:1

Conveyor Belt Reducer  
Model: ZD2880-3.5-0  
Speed Reduction Ratio: 3.5:1

Conveyor Belt  
Width: 2.5m  
Speed: ~480 m/min

Drive roller, steering roller cylinder  
D=1800/1500  
L=1500

Conveyor Head Telescopic Frame, Traction Winch  
Four-chord truss metal structure

Conveyor tightening and steering roller  
Quantity: 1

Hopper Gate Hydraulic Pump Station  
Axial piston pump

Hopper Gate  
Quantity determined on site

Grooved Idler, Parallel Bottom Roller  
Quantity determined on site

#### Cargo Tank Bilge Pump

Type: Vertical self-priming mud pump

Flow: 180m<sup>3</sup>/h

Discharge Pressure: 20m

Motor Power: 30kW

Drive Mode: Electric motor

#### Cargo tank bilge pump (spare use)

Type: Vertical self-priming mud pump flow:180m<sup>3</sup>/h

Discharge pressure: 20m

Diesel engine power: 30kW

Drive mode: Diesel engine

#### Conveyor Belt Diesel Engine Empty Cylinder

Model: A0.30-3

Volume: 0.30m<sup>3</sup>

Pressure: 3MPa

#### Fuel Transfer Pump

Model: KCB-200

Type: Horizontal gear pump

Flow: 12m<sup>3</sup>/h

Exhaust Pressure: 0.33Mpa

Motor Power: 4kW

#### Lubricating Oil Transfer Pump

Model: KCB-135

Type: Horizontal gear pump

Flow: 8m<sup>3</sup>/h

Exhaust Pressure: 0.33Mpa

Motor Power: 2.2kW

#### Dirty Oil Pump

Model: KCB-83.3

Type: Horizontal gear pump

Flow: 5m<sup>3</sup>/h

Exhaust Pressure: 0.33Mpa

Motor Power: 2.2kW

#### Main engine lubricating oil is pressed into spare pump

Model: YCB40-0.6

Type: Gear pump

Flow: 40m<sup>3</sup>/h

Exhaust Pressure: 0.6Mpa

Power: 15kW

#### Main Engine Oil Extraction Pump

Model: YCB40-0.6

Type: Gear pump

Flow: 40m<sup>3</sup>/h  
Exhaust Pressure: 0.6Mpa  
Power: 15kW

Main Engine Lubricating Oil Pre-Supply Pump  
Model: KCB-135  
Type: Horizontal gear pump  
Flow: 8m<sup>3</sup>/h  
Exhaust Pressure: 0.33Mpa  
Motor Power: 2.2kW

Conveyor Belt Diesel Engine Pre Supply Pump  
Model: KCB-135  
Type: Horizontal gear pump  
Flow: 8m<sup>3</sup>/h  
Exhaust Pressure: 0.33Mpa  
Motor Power: 2.2kW

Main Engine Sea Water Backup Pump  
Model: CLH150-250A  
Type: Vertical Centrifugal pump  
Flow: 129m<sup>3</sup>/h  
Head: 18.5m  
Power: 15kW

Main Engine Fresh Water Backup Pump  
Model: CLH80-160(I)A  
Type: Vertical Centrifugal pump  
Flow: 121.6m<sup>3</sup>/h  
Head: 21m  
Power: 11kW

Bilge Ballast Pump  
Model: 125CLZ-16.5A  
Type: Vertical Self-priming Centrifugal pump  
Flow: 150m<sup>3</sup>/h  
Head: 28m  
Power: 22kW

Fire Pump  
Model: 100CLZ-8  
Type: Vertical Self-priming Centrifugal pump  
Flow: 80m<sup>3</sup>/h  
Head: 50m  
Power: 22kW

Emergency Fire Pump  
Model: 80CWY-55  
Type: Self-priming Centrifugal pump  
Flow: 60m<sup>3</sup>/h

Head: 55m  
Power: 22kW

Oily Sewage Transfer Pump  
Model: 32CBZ-30  
Type: Horizontal self-priming centrifugal pump  
Flow: 8m<sup>3</sup>/h  
Head: 30m  
Power: 2.2kW

Domestic Sewage Discharge Pump  
Model: 0.5PWF-20  
Type: Crushing pump  
Flow: 5m<sup>3</sup>/h  
Head: 25m  
Power: 4kW

Stern Tube Oil Pump  
Model: CS-32Y  
Flow: 48L/min  
Indenter: 0.25 Mpa

Engine Room Fan  
Model: JCZ-90B  
Type: Marine axial fan  
Flow: 36000m<sup>3</sup>/h  
Full Pressure: 670Pa  
Power: 11kW

Conveyor Belt Diesel Engine Wind Machine  
Model: JCZ-90B  
Type: Marine axial fan  
Flow: 36000m<sup>3</sup>/h  
Full Pressure: 670Pa  
Power: 11kW

Domestic Sewage Treatment Plant  
Model: CBM-20  
Type: Biochemical treatment  
Number of Users: 20 people  
Hydraulic Load: 1.6m<sup>3</sup>/d  
Emission Standards: BOD<sub>5</sub>≤25mg/L ; COD≤125mg/L;TSS≤35mg/L;coil group≤100 induvial/100mL;PH: 6~8.5  
Total power: ~3kW

Bilge Water Oil-Water Separator  
Model: CCF-1.0  
Processing Capacity: 1.0m<sup>3</sup>/h  
Emission Standards: ≤15ppm  
Control Method: automatic  
Oil discharge method: automatic/manual

Heating method: electric heating

Total Power: ~3kW

Assembled sea and fresh water pressure power water tank

Model: ZYG(S)0.4/0.4

Volume: 0.4 m<sup>3</sup>

Work pressure: 0.4 Mpa

Supporting water pump: 1.5CWZ-2 (3 Unit/group)

Supporting water pump power: 2.2 kW

CO2 Fire Extinguishing System

30 bottle(68L)

30 The bottles are all used for cabin protection, 12 Bottle protection conveying diesel engine room

Engine Room Driving

Lifting Capacity: 1.0T

Lifting Height: 2~6m

Double-Head Grinder

Wheel Diameter:  $\phi 225\text{mm}$

Power: 0.6kW

Bench Drill

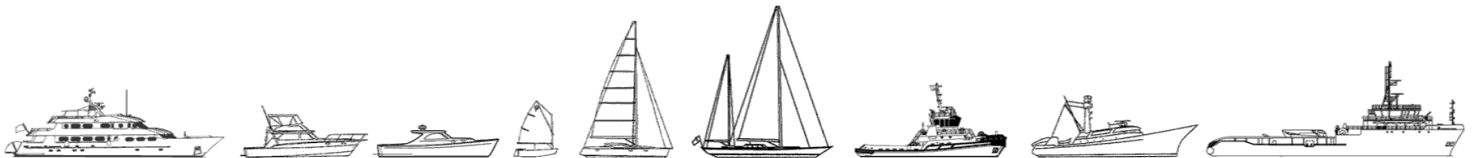
Maximum Drilling Diameter:  $\phi 20\text{mm}$

Motor Power: 0.6kW

Vise

Clamp Width: 250mm

The details of all vessels are offered in good faith but we cannot guarantee or warrant the accuracy of this information nor warrant the condition of the vessel. Any buyer should instruct their agents, or their surveyors, to investigate such details as the buyer desires validated. This vessel is offered subject to sale, price change, location or withdrawal without notice.



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