

## CSS VENUS



Purpose built accommodation vessel of compact design to highest international standard and comfort.

### General Description

Year built	2018
Builder	Fujian Mawei Shipyard, PR China
Class	ABS
Class Notation	+A1, Accommodation Service, Column Stabilized Unit, Helideck, E, +AMS, +DPS-3
Flag	Marshall Island
Port of Registry	Majuro
Call Sign	V7HI7
IMO Number	9693123

### Dimensions

Length over all	84,00 m (+6.6m extension deck)
Beam Molded	32,00 m (+3.6 m extension deck)
Operation Draft	10,00 m – 13,00 m
Scantling Draft	14.60 m
Air draft	38,80 m
GRT	15896 tons
NRT	4768 tons

### Deck & Aux. Machinery

Windlass forward	2 x 20t electric mooring winch C/W, warping heads for anchors
Anchors	2 x 5175 Kg HHP 1 x 5175 Kg HHP spare anchor
Windlass aft	2 x 20t electric mooring winch

### Engines and Propulsion

Engines	6 x Rolls-Royce Bergen Diesel C25:33 L9A 2800kW each
Generator	6 x AvK / AD5G114M1 3111 kVA – 690 V
Emergency Diesel	Caterpillar C 32 910 kW
Propulsion	4 x Rolls-Royce Aquamaster US305FP 360 deg. Azimuth 3000 kW each

### Telescopic Gangway

Maker	Marine Aluminum
Type	Aluminum, free flow 3 deg freedom, supported weight
Length extended	42,5 m
Length retracted	30,5 m
Operational range	32,5 – 40,5m

### Cranes

Main crane	MacGregor, Norway KB LongReach 60 mt
Capacity	60t@25m, 20t@45m, 10t@ 50m
Aux. Crane Capacity	MacGregor HMC 2201 LKO 12 t @ 12m

## Performance

Speed at Op. Draft	10,5 knots
Transit Speed	7,5 knots
Fuel Type	MDO

## Capacities

Fuel Oil	1610 m <sup>3</sup>
Fresh Water	1500 m <sup>3</sup>
Water Ballast	7191 m <sup>3</sup>
Deck Area original	650 m <sup>2</sup>
Deck Extension temporary	240 m <sup>2</sup>
Deck area total	890 m <sup>2</sup>
Main Deck Cargo Capacity	5 tons/ m <sup>2</sup>
Deck Extension Capacity	1.35 tons/m <sup>2</sup>
Cargo Hold	136 + 42 m <sup>2</sup>

## DP System - DP Class 3

Maker	Kongsberg
Type	KPOS 22 + KPOS 12
Gyros	3 x Navigat Mk I
VRU	2 x Seatex MRU – 5 1 x Seatex MRU- 2
Windsensors	2 x Kongsberg GILL 1 x Lambrecht
Laser Reference	CyScan Multi Target
Radio Reference	2 x Radius
DGNSS	Seatex 232+ Seatex 112 Remote station
Hydro- Acoustic	Kongsberg HiPAP 350
Telescopic Gangway	2 x Length sensors

## Helicopter Deck

Maker	Marine Aluminum
Diameter	22,2 m
Helicopter approved	Sikorsky 91N or Super Puma
Fire fighting	Pop- up system + Fire fighting cannons

## Aux. Machinery System

Incinerator	TeamTec GS 500CS
Waste Compactor	Deerberg Systems MKP 80
Fresh Water Maker	3 x Danfoss Tasman Sea 75 t/ day Technical water each
Sewage System	1 x DWZ JZR 400 Biomaster certified for 500 persons

## Consumption

DP 3	14- 18 m <sup>3</sup>
Maximum Speed	40 m <sup>3</sup>
Transit Speed	25 m <sup>3</sup>

## Life Saving + Rescue System

Davit Launch Life Boats	4 x Jiangyin Wolong JY 117F
Capacity	150 person each
Free Fall Life Boats	3 x Jiangyin Wolong JY 109FF
Capacity	67 person each
Fast Rescue Boat	1 x Jiangyin Wolong JY 65KR
Capacity	12 person
Work Boat	1 x Jiangyin Wolong JYDR
Capacity	6 person
Liferafts	20 x Viking 25 person each

## Radio & Navigation Equipment

GMDSS Area 3 (Worldwide coverage)
Maker Thrane&Thrane ( Sailor )
1 x Inmarsat C with GPS
1 x MF/HF-DSC Radio Telephone
2 x VHF-DSC Radio Telephone
1 x SSC Transceiver 6 Channel DSC
1 x 96nm X-band Radar 21" display
1 x 96nm S band 21" display
3 x VHF Portable radios
1 x Magnetic Compass
3 x Gyrocompass
2 x DGPS
1 x Autopilot
1 x Duplex VHF with DSC
2 x Simplex VHF 55 Channels
1 x Echo Sounder
1 x Anemometer
1 x Weather Fax Receiver
1 x Auto Telephone system
1 x Sound Powered Telephone system
1 x PA/Talkback System

## Accommodation

Type	Fully A/C for tropical environment
Berths	501 persons
Single Berth	8 cabins
Double Berth	143 cabins
Triple Berth	69 cabins
Gymnasium	1 complete gym
Offices	8 – 4x6 + 4x8 seats
Conference Rooms	4 – 2x14 + 1x6 + 1 x 8 seats
Lounges	5 ea. 8 persons in all living level
Hospital	4 beds + 1 surgery room
Personnel Control	EPIC Safety card system