

CTV 27m



CREW TRANSFER VESSEL - WIND FARM SUPPORT VESSEL



Developed internally, the 27m PIRIOU CTV benefits from previous Crew Transfer Vessels deliveries to the offshore wind industry and more than 100 crew boats built for the oil and gas sector.

It is designed to ensure optimal comfort and safety and a fast transfer of personnel and equipment.

This versatile aluminium-built catamaran carries 24 technicians, 3 crew and up to 3x 10 feet ISO containers.

The vessel is 26.65m in overall length and has a beam of 9.00m. With large fuel capacity, high volumes and space for comfortable and functional accommodation, this CTV meets the demanding requirements of wind farms located farther and farther offshore.

The 27m Piriou CTV offers a new modular design and a large range of options.

It is powered by two diesel engines driving a controllable pitch propeller (CPP).

To secure zero emission in a harbour or during in-field transit or standby, a hybrid propulsion system (with e-motor) is also available.

- Certified Bureau Veritas for windfarm vessels. Compliant with European regulations for the transfer of 24 technicians
- Spacious and comfortable personnel area for 24 persons, refreshment kiosk, changing room, baggage storage facilities
- Modular design
- Spacious decks for cargo capacity, deck crane
- Catamaran hull designed to enhance seakeeping
- Transfer up to 2m significant wave height
- Excellent manoeuvrability provided by a dual CPP propulsion system
- Bow thrusters
- Electrical hybrid propulsion option
- High fuel capacity over 25 m³ to optimize autonomy and wind turbine refuelling

CTV 27m

CREW TRANSFER VESSEL - WIND FARM SUPPORT VESSEL



©COPYRIGHT WIKEL



MAIN CHARACTERISTICS

Length overall	26.65 m
Breadth	9.00 m
Max. draught including propellers (10t deadweight)	1.87 m
Gross tonnage	≈ 155
Hull / superstructure	aluminium
Crew	up to 3
Industrial personnel	up to 24
Bollard push	≈ 18 t
Deck load	up to 13.5 t on foredeck
Cargo capacity (foredeck)	1 x 20' or 2 x 10' containers
Cargo capacity (aft deck)	1 x 10' containers
Deadweight	≈ 32 t
Aft cargo area	18 m ²
Forward cargo area	up to 54.5 m ²
Deck loading capacity	1.5 t/m ²
Fuel	25 m ³
Freshwater (domestic)	2 m ³
Grey/black waters	2 m ³
Oily waters	2 x 640 L
Compensation bow fender system	
Foredeck foldable crane (1.18t @8.20m)	
Fuel transfer capacity	
Pressure washer	

OPTIONS

Hybrid configuration
Wind turbine power supply
12 technicians lounge
Other options upon request

CLASSIFICATION

Bureau Veritas • HULL • MACH
Wind farms service ship - S0, Sea Area 3

ACCOMMODATION

Fully air-conditioned	20-25°C
With external conditions	-10°C to 35°C
Cabins	2x 2 persons
Resiliently mounted passenger lounge	

PERFORMANCES

Speed @ 85 % MCR (10 t deadweight)	23.1 kn
Max. speed @ 100 % (10 t deadweight)	25 kn

PROPULSION / MACHINERY

CPP propulsion system	
Engines	2 x 1066 kW (IMO Tier III)
Bow thrusters	2 x 28 kW
Generator sets	up to 2 x 62.5 kVA

A hybrid hydrogen-powered version of the Pirou CTV is also under development.

www.pirou.com

PIRIOU – ZI du Moros – 29185 Concarneau – France
Tel +33(0)2 98 97 09 48 – commercial@piriou.fr

