



C489/C490

Type: CSOV

Hull: Steel

Owner: Edda Wind A/S

These new CSOVs (Commissioning Service Operation Vessels) have capacity for up to 120 POB and are fitted with a fully electric “Colibri” 3D crane and an integrated W2W system, composed by a compensated gangway and an elevator with capacity for 26 technicians. Designed to become the world’s most environmentally-friendly vessels of their kind, both vessels are equipped with a truly innovative propulsion system: Two cycloidal propellers driven by permanent magnet electromotors. These “eVSP” propellers are powered by a “Hydrogen-Ready” diesel-electric power system, backed by two independent battery banks, and conceived with the ambitious target to operate with zero carbon emissions in the future.

MAIN PARTICULARS

General Information

Hull material	Steel
Type	Commissioning & Service Operation Vessel (CSOV)
Delivery	2022
DNV-GL Class notation	✘ 1A Offshore Service Vessel NAUT OSV (A)HCS, E0, Clean Design, COMF(V3, C3), DYNPOS AUTR, SF, DK (+), SPS-2008, BWM-T, BIS, Battery Power, HELDSK-SH, Walk2Work

Dimensions

Length overall	88.30 m
Length between perpendiculars	77.1 m
Breadth moulded	19.7 m
Depth moulded	7 m
Draught	5.4 m

Capacities

Fuel (MGO)	Approx. 1,000 m ³
Fresh water	600 m ³
Deadweight	2,500 t
Cargo deck area	450 m ² outside deck

Accommodation

POB	120 (97 technicians + 23 crew)
Cabins	52 single cabins + 34 double cabins

PERFORMANCE & MACHINERY

Propulsion / Maneuvering

Propulsion System	DieselElectric / Siemens BlueDrive PlusC Star Configuration
Main Engines	3 x CAT3512E, 1,770 kW each
Main Propellers	2 x Voith Schneider eVSP 1,900 kW, with PM-type electro motors
Bow Thrusters	3 x Brunvoll Fixed Pitch thrusters, 1,300kW each

Features

Maximum Speed	10.5 kn
Endurance	30 days operation

EQUIPMENT

Deck / Special equipment

Cranes	1 x Foldable telescopic knuckle crane 1t @ 12m + Provision handling crane 1t @ 10m
3D Motion Compensated Crane	1 x Electrically powered, 5t @ 33.5 m capacity
Helideck	21 meter diameter, Helycopter Type: Augusta Westland AW189, Airbus H175
W2W system	Fully integrated, electrically powered crew transfer system: motion compensated gangway (20m to 30m radius) + Elevator (26 people capacity)