



HYBRID HOSPITAL SHIP

VESSEL DETAILS

Owner	Chungcheongnam-do - KOREA
Year Built	2023
Length (LOA)	49.90m - 163.70ft
Beam	9.0m - 29.50ft
Construction	Steel
Ship Designer	Far East Ship Design & Eng., KO
Shipyard	Far East Ship Design & Eng., KO
Engines	Diesel 2685kW @ 1700rpm e-Motor 274kW
Class	n/a

PARALLEL HYBRID SYSTEM

This Eco-friendly hospital ship commissioned by Chungcheongnam-do City is to provide efficient mobile medical services, emergency response and outreach to the community.

The vessel has Cummins diesel engines driving two HT900 waterjets with the HamiltonJet AVX-hybrid interface controls and JETanchor positioning system. The AVX-hybrid interface system directly controls the diesel engines, electric motors, and the gearbox with auxiliary clutch input for the electric motor. It also has Danfoss e-motors for the Hybrid mode.

HAMILTONJET SUPPLY

Propulsion	2 x HT900 waterjets
Control System	AVX propulsion control system with Hybrid Interface, JETanchor positioning system
Hybrid System	Integration support with Dong-In M&E Hybrid system

The vessel can achieve a maximum speed of 20 knots.