

AIRCAT

35 CREWLINER



AIRCAT
VESSELS



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DESCRIPTION

Air-cushioned catamaran, high speed / high efficiency long range Crew Transfer Vessel

The AIRCAT 35 Crewliner has two side hulls like a catamaran, however with the added feature of flexible rubber sealing fore and aft between the hulls. Fans blow air into this air cushion between the hulls and rubber seals allowing up to 80% of the vessel weight to be lifted.

The air cushion partly lifts the vessel out of the water, which greatly reduces resistance and allows for very fuel-efficient and high-speed performance. The air cushion is also equipped with an **active motion damping system** that reduces motions both at high and low vessel speeds. This ensures a smooth and comfortable ride, as well as increases the weather window for safe offshore logistic operations.

Vessel name :	ENERGY CRAFT 3514-01
Owner :	All Energies Services
Operator :	All Energies Services
Class :	BV  HULL ● MACH High Speed Craft - Cat A, Sea Area 2 Amendments as defined in "OHSCB"
Flag :	Marshall Islands
Hull material :	Aluminum
Superstructure :	Aluminum

DIMENSIONS

Length overall :	35.2 m
Beam overall :	13.9 m
Depth moulded :	3.55 m
Draught :	0.8 m on cushion / 2.4 m off cushion
Cargo deck area (fwd) :	60 m ² @ 1.0 t/m ²
Maximum deadweight :	40 tons

MACHINERY

Propulsion :	4 x Kongsberg waterjets S50-3/CA
Main engines :	4 x MTU 16V2000 M72 (4 x 1440 kW)
Airlift system :	2 x 441 kW with air blower system
Generators :	2 x 400/230V gensets

PERFORMANCE & CONSUMPTION

Max. speed :	50+ Knots
Economical speed :	38-40 Knots
Range :	500+ NM @ Max. speed 600+ NM @ Eco. speed
Consumption at max. speed :	32.6 liters / NM
Consumption at economical speed :	31.1 liters / NM
Air-cushioned active motion damping Vessel Performance Monitoring system	

AIR CUSHION SYSTEMS

- ▲ Technology : ESNA
- ▲ 2 x Air lift fans
- ▲ 2 x Electrically powered bag fans
- ▲ ESNA Motion Control System
- ▲ Electrically actuated vent / closing dampers





PASSENGER TRANSPORT CAPACITIES

Passenger capacity : 80 Business class seats, reclinable with leg rest, equipped with folding table, reading light, cup holder and individual USB connections.

Passenger area : climate control, resiliently mounted cabin for reduced vibration and noise. Passenger cabin is equipped with TV system for safety inductions, and streaming servers allowing passengers to access onboard entertainment database on their mobile devices.

Two (2) dedicated toilets are available for passengers.

CREW

- ⚡ Up to 6 crew members with dedicated crew facilities

WHEELHOUSE & NAVIGATION EQUIPMENT

- ⚡ Ergonomic cockpit style arrangement
- ⚡ 360 degrees unobstructed view
- ⚡ Jet Control System – CANMAN Touch by KONGSBERG
- ⚡ 2 x ARPA radar
- ⚡ ECDIS
- ⚡ 2 x independent navigation GPS
- ⚡ Gyro compass, magnetic compass
- ⚡ Anemometers, echo sounder, speed log, auto pilot, machinery control system, air cushion control system
- ⚡ OSCAR Sentry as additional anti-collision, surveillance and SAR operations system

PASSENGER TRANSFER MODES

- ⚡ V-shape bow for push-on transfers
- ⚡ Large fwd deck for lift-to-work personnel transfer devices

SAFETY EQUIPMENT

- ⚡ Deluge system for self-protection
- ⚡ Protected machinery spaces
- ⚡ Fire detectors
- ⚡ Fire pump, fire lines, hoses
- ⚡ Fire extinguishers
- ⚡ Life jackets and life rafts for full complement POB
- ⚡ Rescue zones amidships on both sides with wide gates
- ⚡ Davit for MOB recovery
- ⚡ Lifebuoys, safety pyrotechnics, line thrower, EPIRB, SART, Survival floating marine VHF
- ⚡ 2 x search lights

COMMUNICATION EQUIPMENT

- ⚡ GMDSS A3
- ⚡ Satellite Internet communications via marine VSAT system
- ⚡ Work operations communication fixed and portable VHF / UHF radios
- ⚡ Intercom / hailer system
- ⚡ Independent CCTV supervision and recording system

