



wallaby boats

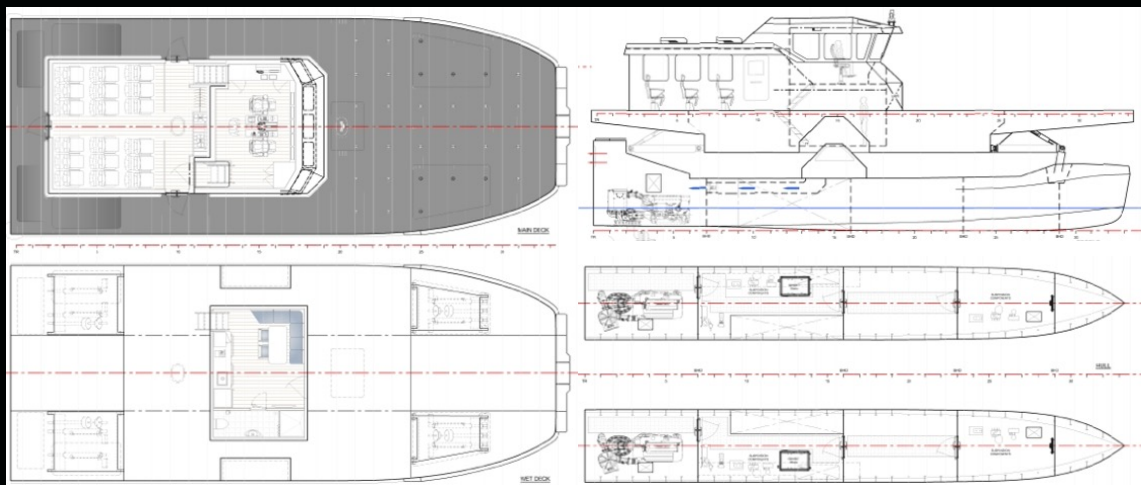
WB-20hybrid



Stability Re.Defined!

introducing the Wallaby Boats WB-20 with energy recovery

A small step for the crew,
a giant leap for the industry!



LOA: 20,3m
BOA: 10,0m
Draft: 1,0m / 2,1m
Crew: 2/3
PAX: 18 or more
Deck (ca.): 64m²

DW_{max}: 15t
P (ca.): 2 * 515kW + 2 * 280ekW
P_{effective}(ca.): 1.866kW (incl. 560ekW)
V_{max/eco}(ca.): 25kts/22kts
Spd @ 1,75m Hs: 20kts
Safe transfer: >2,0m Hs

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Our Advantages to Your Benefit

Less Risk:

Stable deck, assuring a safe access i.a.w. the definition by Carbon Trust at much higher significant wave height than other CTV. Proven by ADAMS simulations and verified in the real world. Daughter crafts operate safely up to 1,5m Hs. CTV operate safely at waves >2,0m Hs.

More Comfort:

During transit the whole deck is stabilized, acceleration reduced by 75%. No seat damping required. Significant acceleration at any point in the accommodation, from seat to bathroom, is <0,75g at any time in 1,75m Hs waves. Safe movement of IP during transit.

Less Emission, CAPEX + OPEX:

The WB provide higher wave performance with much smaller boats. This reduces the environmental footprint and costs during building and operation significantly. Next generation has very large, obstacle free deck space.

Energy Recovery:

Next generation WB will use the motion of the ocean to recover energy from the waves. This can lead to a reduction of fuel consumption of up to 6%.

Role Compensation:

Next generation WB will provide role compensation also during transit. Setting role to a limit of 3° will still deliver twice as much energy to the vessel than the role compensation consumes. This technology reduces restrictions in navigation in relation to the waves significantly and allows a more direct course, saving time and reducing OPEX. Restriction of 0,5° role possible.

DACS:

Deck Attitude Control System is capable of stabilizing the deck in roll and pitch. This provides a stable platform for safer crane and drone operations.

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