

DEMEY 60

Luxury Performance Range



Abbreviated Technical Specification

1. General Description

The DEMEY 60 is a high-performance, 18.5-metre composite catamaran designed for long-range cruising and built in Tauranga, New Zealand. Naval architecture is by Roger Hill Yacht Design, with construction to the American Bureau of Shipping Guide for High-Speed Craft. Her twin-hull form delivers exceptional stability, efficiency, and space.

Construction:

- Epoxy-infused carbon fibre and E-glass composite.
- M-Foam core with structural bulkheads and stiffeners integrated.
- Built to NZ Maritime domestic commercial standards.

2. Principal Technical Data

Specification	Value
Length Overall (LOA)	18.50 m
Beam Overall	6.80 m
Design Draft (Fully Loaded)	1.20 m
Displacement (Full Load)	~36,000 kg
Naval Architect	Roger Hill Yacht Design
Fuel Capacity	2 × 5,000 L (composite tanks)
Fresh Water Capacity	1 × 1,800 L
Black Water Capacity	2 × 350 L
Grey Water Capacity	2 × 260 L

3. Performance

Speed	Range (NM)	Fuel Burn (L/NM)	Consumption (LPH)	RPM
12.4 kn	2,189	4.11	51	1,800
18.5 kn	1,412	6.37	118	2,650
21 kn	1,374	6.55	135	3,200

Sea State Capability:

- 28 knots at 1 m significant wave height.
- 16 knots at 4 m significant wave height.
- Vertical acceleration: 1.2g.
- Designed for prudent offshore routing.

4–6. Accommodation, Machinery & Exterior

Accommodation & Layout:

Lower Deck: Master cabin with California king and ensuite; VIP port cabin with queen double berth; 2 × guest cabins with twin singles; aft bathroom.

Main Deck: Forward helm station; multiple settee and dining areas; cockpit BBQ, day head, shower.

Flybridge: Optional helm station; dining & coffee tables; crane (350 kg rated) and open deck toy storage.

Machinery & Propulsion:

Engines: 2 × Cummins QSB 6.7 550 hp @ 3,300 RPM.

Propellers: Veem multi-pitch.

Transmission: ZF via 2.5" shafts.

Generator: Caterpillar 20 kVA, 50Hz, 230V.

Energy Storage: 6 × Mastervolt MLI Lithium Ion 12/6000 batteries.

Solar Array: 12 × 135 W panels.

Thrusters: 2 × Vetus Bowpro 48 V 210 kgf proportional.

Exterior Equipment:

Lonestar GX6 electric drum winch, 81 kg Manson Supreme anchor.

Hydraulic swim platform (800 kg capacity) with Esthec finish.

Tender garage with custom 3.7 m catamaran tender & hydraulic door.

Cockpit wetbar: BBQs, fridges, ice maker, freezer.

Esthec decks, removable foredeck sunshade, teak/carbon dining tables.

7-9. Interior, Systems & Navigation

Interior Fit-Out:

Solid walnut flooring in saloon; carpeted cabins.

Ceramic-tiled bathrooms with Corian counters.

Miele galley appliances (oven, induction cooktop, dishwasher, microwave, washer, dryer).

Fisher & Paykel fridge/freezer with water dispenser.

Electrically operated blinds in saloon and cabins.

Systems:

Piping: Composite fuel tanks with stainless lines & polishing system; 9 × electric bilge pumps + 2 × manual pumps; 285 LPH Sea Recovery water maker; freshwater UV steriliser and twin heaters.

Electrical: AC shore power 32A, 230V, 50Hz; Victron Quattro inverters, C-Zone automation; full DC lithium bank + AGM start batteries.

Navigation & Electronics:

3 × Garmin GPSMAP 9022 MFDs.

Garmin Fantom open array radar, forward sonar, Airmar DST 810 transducer.

Simrad AP70 MK2 autopilot with joystick.

FLIR M300C thermal camera.

5 × Garmin GC200 IP cameras.

Optional Starlink Marine internet.

10–11. Safety & Commissioning

Safety:

NZ Maritime Category compliance for power vessels.

Redundant power, steering, and bilge systems.

Engineered for offshore operations in adverse conditions.

Commissioning & Delivery:

Launched in Tauranga, New Zealand.

Custom registry markings and model branding applied.

Built in Tauranga, New Zealand



• LAYOUT

