



Australia's most forgettable marine generator.

You won't hear it. You'll rarely see it.
Finally, a generator so reliable,
it practically disappears.

V O R T U M



vortum.com

At Zenith Engineering, we are committed to delivering only the highest quality products, backed by personalised, round-the-clock support.

With over 80 years of engineering expertise—including more than 45 years dedicated to the commercial marine industry—we have earned a reputation for reliability, performance, and trust.

Our Isuzu-powered marine generators have been proven in some of the harshest marine environments, where commercial operators rely on equipment that performs flawlessly for extended periods.

This focus on quality and durability has led us to become the preferred supplier within the commercial marine sector, supported by a loyal and growing customer base. Building on this foundation, we identified an opportunity

to bring the same level of performance and support to a broader market. This led to the development of our new range of super-silenced marine generators, engineered to maintain commercial-grade reliability while offering quieter operation.

We believe the longevity and success of Zenith Engineering is not solely due to the proven reliability of our products, but also our unwavering commitment to customer support.

Every generator is manufactured and supported locally from our Brisbane workshop, ensuring our clients receive dependable service and tailored solutions from a team that understands their needs.





Introducing the Vortum range of super silenced marine generators.

We're proud to unveil our latest innovation — the Vortum range of super silenced marine generators, engineered with precision to meet the demands of leisure marine vessels. This new line combines the renowned reliability of our Isuzu-powered generators with cutting-edge sound attenuation technology, delivering quiet, efficient, and dependable performance at sea.

Precision-engineered for silence & durability

Each Vortum generator is enclosed in a purpose-built sound-attenuated cabinet, designed to minimize noise without compromising airflow or performance.

Key features include:

- **High-grade construction:** Fabricated from 2mm powder-coated aluminium for superior corrosion resistance and lightweight overall unit.
- **Innovative airflow design:** Directional flow is managed through specially designed baffle end pieces, eliminating the need for commonly used noise-leaking vents.
- **Premium sound insulation:** Lined with 32mm thick acoustic foam, embedded with 2mm rubber wavebar for maximum sound absorption.

Proven power and performance

At the heart of every Vortum generator is the robust **Isuzu engine**, seamlessly paired with a **MeccAlte alternator** from Italy.

Combined with our custom-built cooling package, this results in a marine generator system that is:

- **Exceptionally reliable**
- **Quiet in operation**
- **Built to endure harsh marine environments**

Vortum is not just a generator – it's peace of mind, performance, quiet efficiency and in one powerful package.

Product Range

V7.5

7.5Kw/7.5KVA Intermittent

- Best for smaller vessels or auxiliary systems.
- Genuine Isuzu 3CB1GZG01 engine coupled with;
- Genuine MeccAlte Italy NPE32M 2S4C
- Zenith Engineering fabricated marine cooling package
- Manufactured in Australia



V13

13kW/13KVA intermittent

- Best for mid-sized cruisers or houseboats.
- Genuine Isuzu 3CE1BGZG1 engine coupled with;
- Genuine MeccAlte Italy NPE32M 1M4C
- Zenith Engineering fabricated marine cooling package
- Manufactured in Australia



V18.5

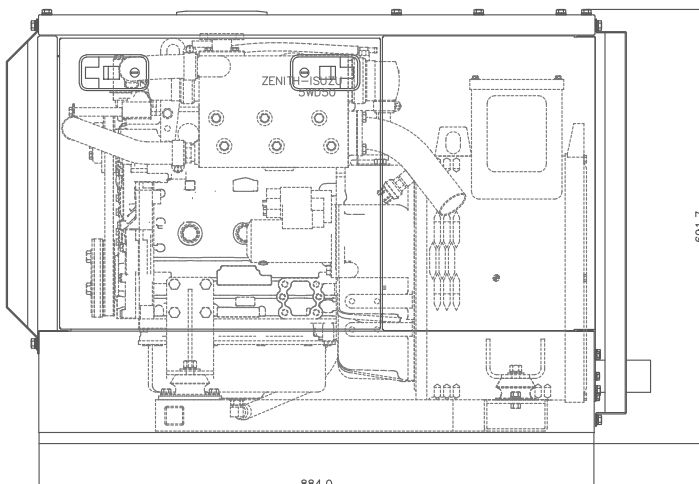
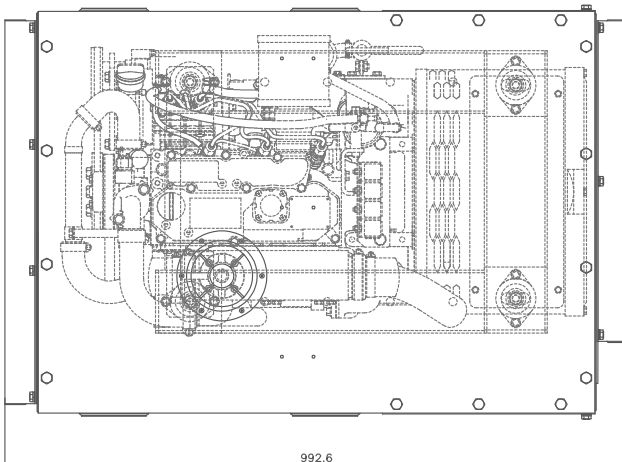
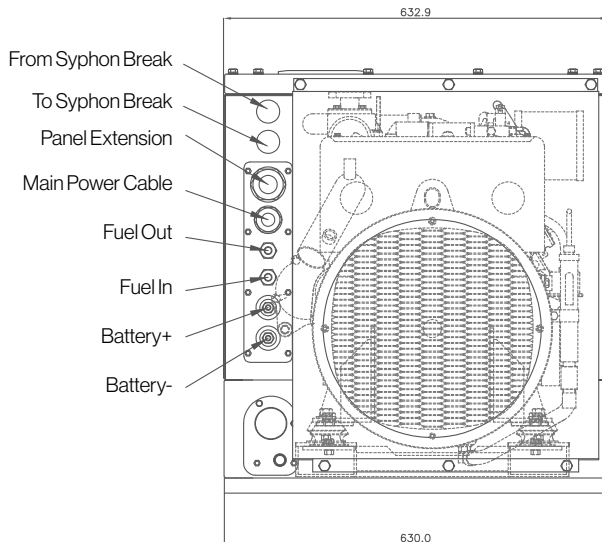
18.5Kw/18.5KVA intermittent

- Best for larger leisure craft, and commercial crossover vessels.
- Genuine Isuzu 4LE1NYGV02 engine coupled with;
- Genuine MeccAlte Italy NPE32M L4C
- Zenith Engineering fabricated marine cooling package
- Manufactured in Australia





V7.5 7.5Kw/7.5KVA



Marine Generator

Vortum Model: V7.5
Weight: 294kg

Engine

Model: Isuzu 3CB1GZG01 – Naturally aspirated
Cylinders: 3
Capacity: 1115cc
Emissions Rating: Tier 4
Electrics on Engine: 12 volt
Cooling Package: Fully marinized with wet exhaust

Alternator

Model: Mecc Alte NPE32M 2S4C
Control: AVR – Mecc Alte DSR
Including: Anti-condensation heaters fitted
Windings double dipped

Electrical Output

Voltage: 230 volt
Hz / Rpm: 50 / 1500
Output (110%): 7.5Kw
Phase Configuration: Single
Power Factor (Pf): 1

Acoustics Testing Results:

Full load @ 1 meter: 66 dB
Full load @ 7 meters: 58 dB

Standard Build Inclusions:

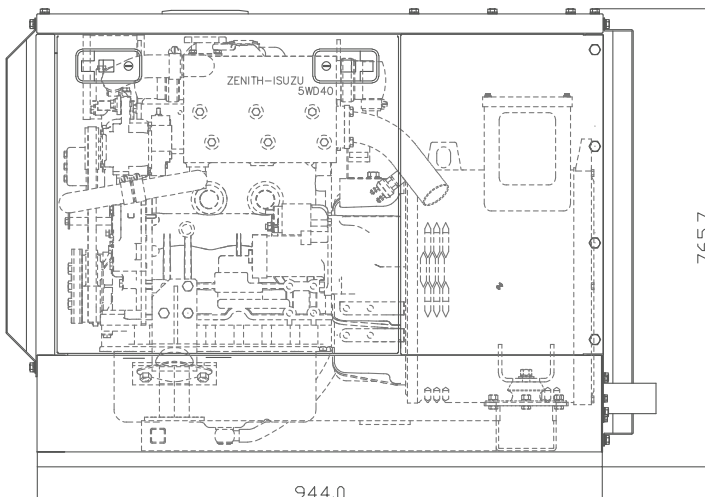
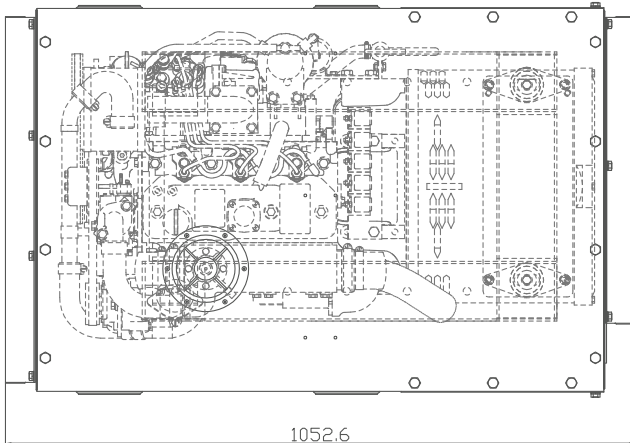
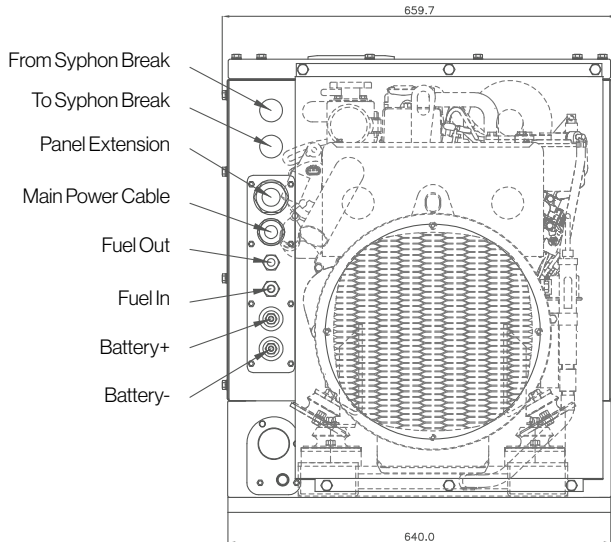
DSE 4520 MKII control panel mounted to sound cabinet
Interchangeable wet exhaust outlet on either end
Multiple syphon break port locations available

Optional Extras Available:

Key start panel with emergency stop located on cabinet
DSE 4520 MKII helm mounted
Extension harness (any length available)

Specifications

V13 13kW/13KVA



Marine Generator

Vortum Model: V13
Weight: 365kg

Engine

Model: Isuzu 3CE1BGZG1 – Naturally aspirated
Cylinders: 3
Capacity: 1642cc
Emissions Rating: Interim Tier 4
Electrics on Engine: 12 volt
Cooling Package: Fully marinized with wet exhaust

Alternator

Model: Mecc Alte NPE32M 1M4C
Control: AVR – Mecc Alte DSR
Including: Anti-condensation heaters fitted
Windings double dipped

Electrical Output

Voltage: 230 volt
Hz / Rpm: 50 / 1500
Output (110%): 13Kw
Phase Configuration: Single
Power Factor (Pf): 1

Acoustics Testing Results:

Full load @ 1 meter: 68 dB
Full load @ 7 meters: 59 dB

Standard Build Inclusions:

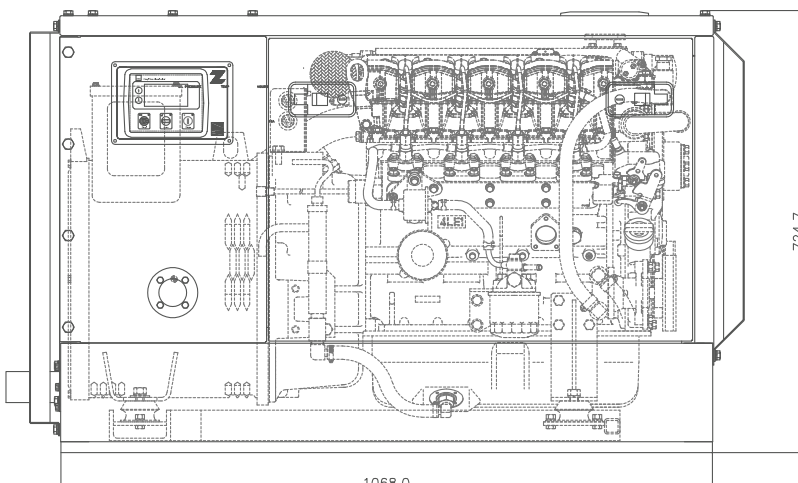
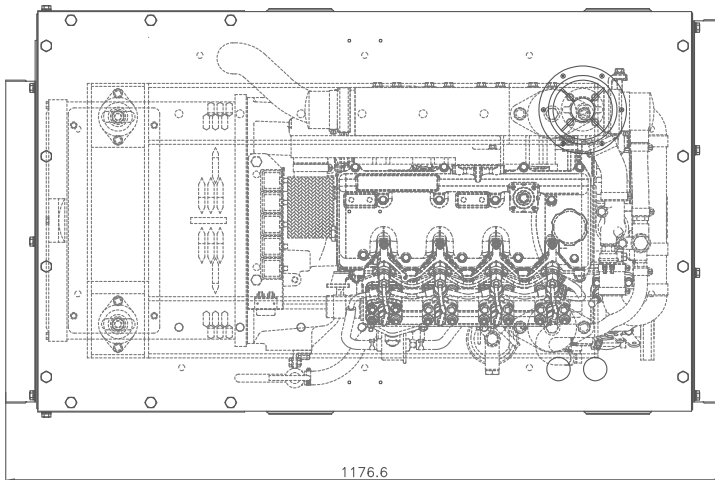
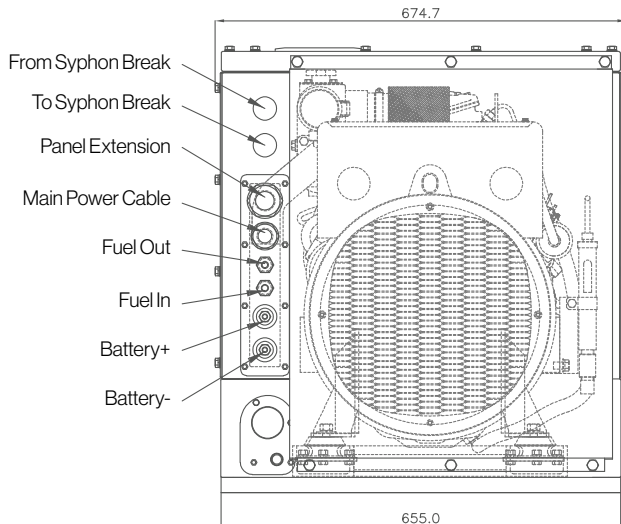
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Extension harness (any length available)



V18.5 18.5Kw/18.5KVA



Marine Generator

Vortum Model: V18.5
Weight: 409kg

Engine

Model: Isuzu 4LE1NYGV02 – Naturally aspirated
Cylinders: 4
Capacity: 2179cc
Emissions Rating: Interim Tier 4
Electrics on Engine: 12 volt
Cooling Package: Fully marinized with wet exhaust

Alternator

Model: Mecc Alte NPE32M L4C
Control: AVR – Mecc Alte DSR
Including: Anti-condensation heaters fitted
Windings double dipped

Electrical Output

Voltage: 230 volt
Hz / Rpm: 50 / 1500
Output (110%): 18.5Kw
Phase Configuration: Single
Power Factor (Pf): 1

Acoustics Testing Results:

Full load @ 1 meter: 66 dB
Full load @ 7 meters: 57 dB

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