propelair®
One · Three · Five

The commercial toilet of choice

Successfully integrating technology into existing infrastructure, to reduce water consumption and cost, through sustainable washroom innovations.



Uses up to **85%** less water

Our technology **saves millions of litres of water**, and its cost, per annum by replacing 7.65 litres of water with 70 litres of air.

Reduces carbon by **80%** on average

The reduction in water and wastewater processing leads to a decreased carbon footprint.

Removes up to **99.9%** of contaminants

Triple hygiene protection: closed-to-flush technology, **anti-microbial Biomaster latch**, powerful single flush that eliminates 99.9% of contaminants.

Helps to support **sustainability goals**

Propelair technology aligns **resource management** and reporting of **ESG goals**, with minimal effort, creating a more **sustainable future**.

Financial:

Propelair offers i**mmediate and permanent savings** with a payback period of **1-2 years**, **reducing** water bills by **over 60%**.

Asset tracking:

Propelair features real-time **call logging**, **maintenance scheduling**, optimized **resource allocation**, an **asset history log**, instant **alerts**, and customizable **reporting**.

IoT connectivity:

Propelair provides **feedback** to service engineers through **data transmission**, offers real-time **maintenance diagnostic alerts**, streamlines **maintenance**, and **reduces downtime**. It is available for both **new installations** and **retrofits**.





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lumar@betram.co.za | www.amalooloo.co.za.
+27 83 979 6016

Technical Specifications



Electrical

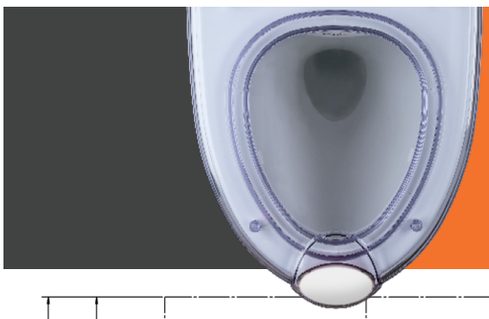
Component	Specification
Air Pump	220-240V AC input
Inlet Solenoid	24V DC
Actuated Gate Valve	24V DC

Performance

Parameter	Specification
Water Flush	1.35 litres
Air Flush	70 litres
Refill Time	13 seconds
Flush Duration	26 seconds
Energy Usage	0.33 Wh/flush
Flush Noise	79 dB

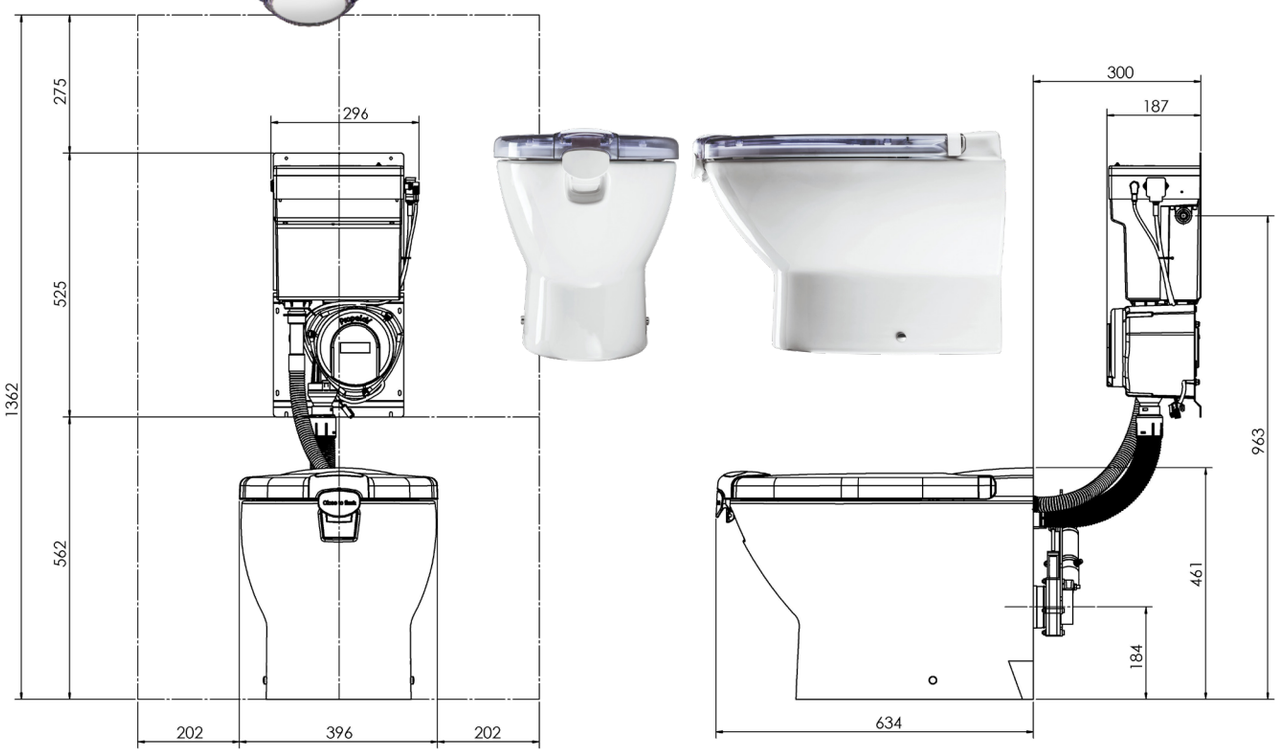
Water

Component	Specification
Inlet Valve	15mm JG Speedfit
Water Pressure	0.1 - 10 bar (Must be restricted to 1.5 bar. 6L/min restrictor pre-installed)



Propelair fits onto existing drainage systems

A 24V battery back-up option is available for electricity stressed regions



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