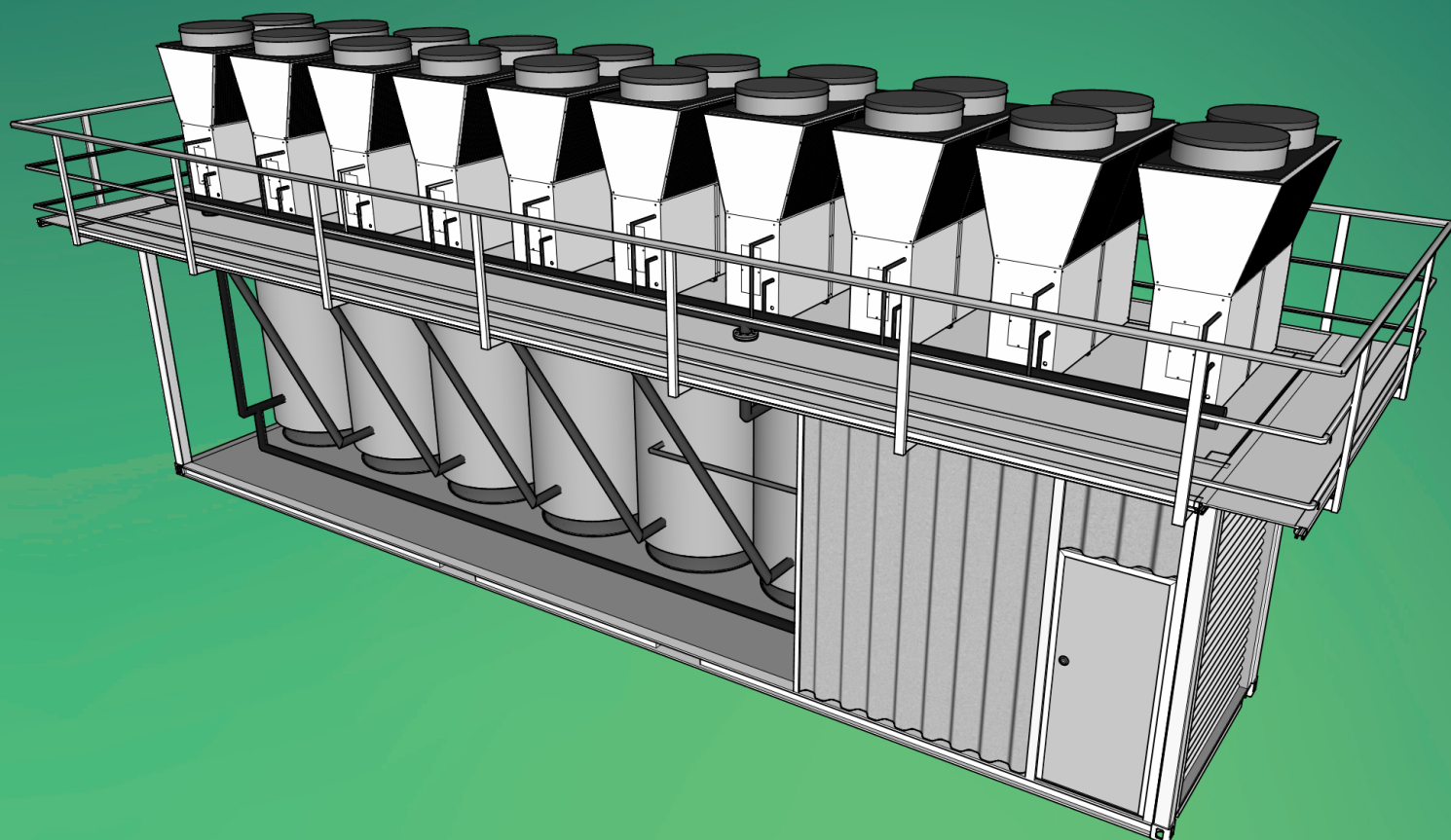


Hot Water Box – HWB 600 CO²

Prefabricated clean energy hot water production unit- 90 degrees C
Fully self-contained

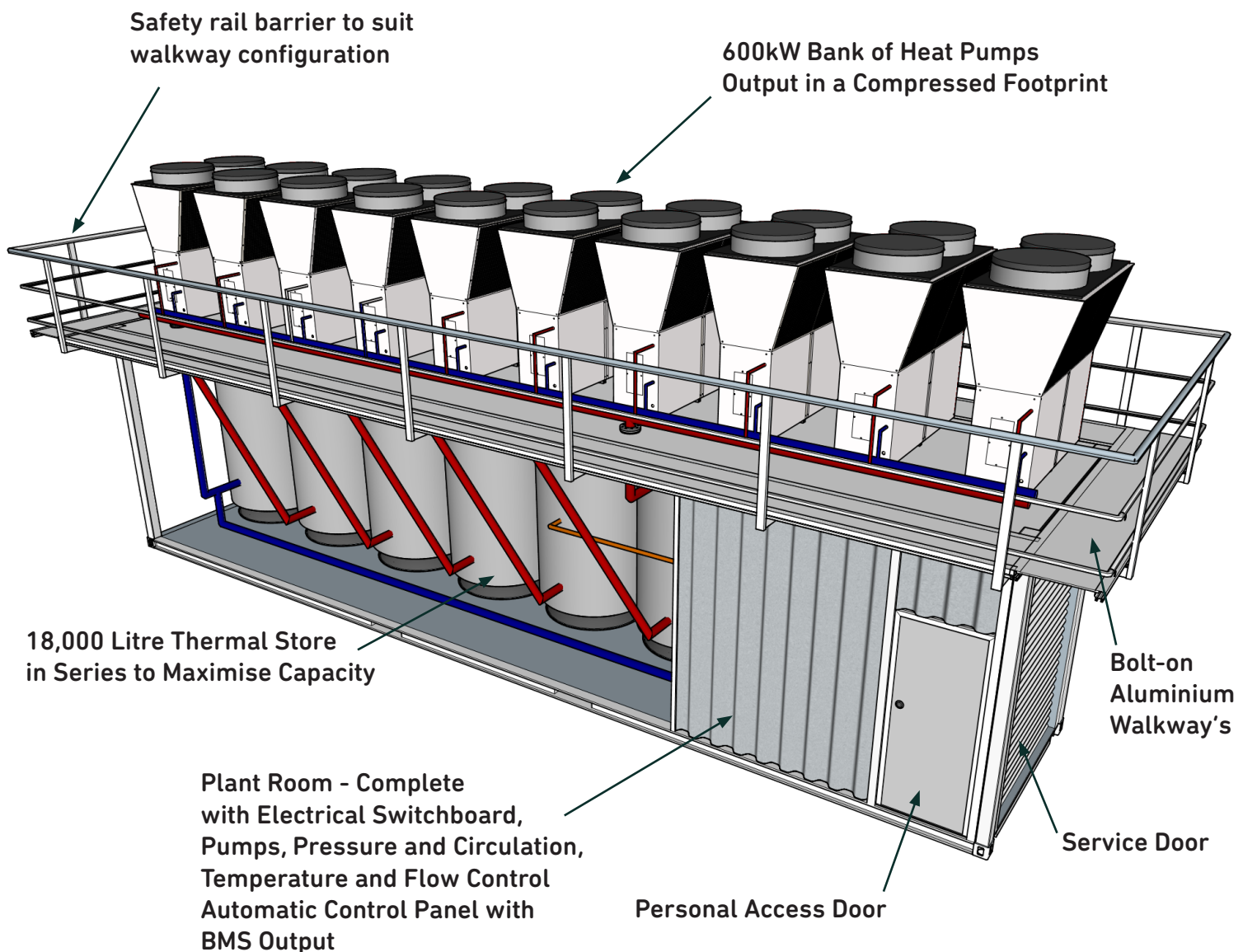


Hot Water Box Skid HBW600 CO²

Specifications

Multiple boxes can be manifolded together to any capacity.

- 1. 600KW nominal output capacity
- 2. Outlet water temperature up to 90°C
- 3. 25,000L hot water production in the first hour nominal
- 4. 7000l/h continuous production
- 5. Nominal efficiency average COP 3.6
- 6. Complete with pumps as required for customer duty




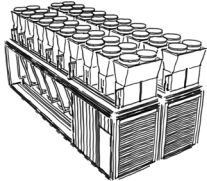
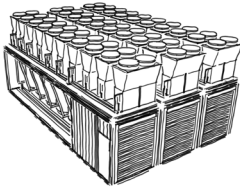
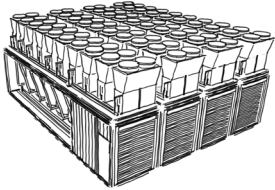
Benefits of the HWB600

- No plant room is required—onboard pre-commissioned electrical panel, pumps, controls and heat exchangers.
- Proven industrial quality with common components.
- Highly energy efficient even at low ambient temperatures to -20°C.
- Non toxic environmentally friendly CO² refrigerant gas.
- Super compact – The footprint is similar to the evaporator rack alone on equivalent sized systems that use a plant room.
- Built on 2 x stacked 40-foot container platforms, purpose-built.
- Fully engineered.
- Integral 18,000-litre thermal store/buffer with heavy-duty insulation.
- Requires only a structural pad for mounting.
- Low risk, non-toxic gases that eliminate the risk of hazardous gas leaks.
- No plant room gas alarms, ventilation and ongoing management are required.
- Pre commissioned and tested - ready to run.
- Redundancy. One unit is only 10% of capacity.
- Lower maintenance , much simpler to maintain multiple smaller modular units than large single compressors.
- Light weight components for straightforward servicing.
- Excellent turndown, cascade controls and inverter technology allow for an extremely low load.
- Complete with bolt-on walkways around the perimeter for servicing.
- No site fabricated high-pressure piping requiring inspection. All refrigerant piping is small-bore and integral to the units.
- The complete frame can be made of aluminium.
- Freighted in 2 parts to keep the height down. The base container and heat pump rack, once in place on-site heat pump rack is lifted on top of flanged container connections and wiring plugs connected.
- The system setup allows for shorter shutdowns and faster plant integration.
- Reduces safety risk by reducing the time required for work on site.
- Crane in and connect, power, water, hot out, return water if required and BMS data.

Contact us now for a no obligation
appraisal of your project

06 758 3748

Configurations

kW		Performance in the first hour	Performance Continuous	Image
600	Single Unit 10 Pumps	27,000 L/H	7,000 L/H	
1200	Two Units [Side-by-side]	54,000 L/H	14,000 L/H	
1800	Three Units [Side-by-side]	81,000 L/H	21,000 L/H	
2400	Four Units [Side-by-side]	108,000 L/H	28,000 L/H	

Peaker/Back-up Boiler System

This unit provides a 2400kW boiler incorporated into the system to provide additional heat for demand peaks or during electricity price spikes. Biogas and hydrogen ready burners available.

