Cowa COMPACT Cell 48/58 Combi

The most compact combi storage in the world

The Cowa COMPACT Cell Kombi combines domestic hot water and heating buffer cylinders in a compact, modular system. This intelligent combination saves space, reduces installation costs and ensures an efficient and reliable heat supply.

Produkteigenschaften:

- ✓ **Space saving design** – Only 600 mm x 680 mm x 1400 mm
- ✓ **High performance** – 25 l/min flow rate
- ✓ **High storage capacity**– 24 kWh of thermal energy
- ✓ **Energy efficient** – Minimal heat losses, high efficiency
- ✓ **Optimized for heat pumps** – Perfect match with modern heating systems
- ✓ **Hygienic & safe** – No stagnant water, no risk of Legionella
- ✓ **Efficient hot water supply** – Tapping volume of up to 700 liters

- Most compact thermal heat storage
- Fresh water systems / hygienic storage tanks
- Use with heat pumps
- Compact gas replacement
- Internal building circulation
- Self-consumption optimization
- Integration into district heating systems
- Peak load management

Key Features:

- Stratification-free
- Temperature stability
- Physical separation of primary & secondary circuit
- Integrated high-performance dual heat exchanger
- Cubic design for optimal space utilization

© **Cowa Thermal Solutions AG**
Technopark Luzern Platz 4
6039 Root D4, Switzerland
info@cowa-ts.com | www.cowa-ts.com

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COMPACT Cell 48/58 Combi		
Height	1400	mm
Width	600	mm
Depth	680	mm
Weight	512	kg
Storage capacity[1]	23	kWh
Storage capacity[2] Domestic Hot Water storage	13	kWh
Storage capacity[3] Buffer	10	kWh
Storage capacity per m^3	75	kWh/m^3
Draw-off volume V_{40} partially charged	380	L
Draw-off volume V_{40} fully charged	700	L
Discharge temperature	45/55	°C
Energy label	B	
Possible water flow rate	25	L/min
Pressure drop at max. flow rate	60	kPa
Minimum operating pressure	1.5	Bar
Maximum operating pressure	8	bar
Maximum operating temperature	75	°C
Compatible heat pumps	R290	R454 C
Min. supply temperature	65	°C
Min. return temperature	60	°C

[1] Storage capacity calculated from state of charge > 65°C to temperature at outlet < 30°C.
[2] Storage capacity calculated from state of charge > 65°C to temperature at outlet < 40°C.
[3] Storage capacity calculated from state of charge > 55°C to outlet temperature < 30°C.

Hydronic integration into the heating system