



The indoor heat pump

Heating | Ventilation | Hot Water

Join the movement.
Let's Become Energy Neutral

joule

One product. Multiple installation options.

How BEN works

- Provides cMEV (centralised mechanical extract ventilation)
- Recovers heat from exhaust air
- Reuses energy for space heating and hot water



Best in class
performance A+++
LT and MT

1-5 kW modulating

Can be installed as

- Exhaust Air Heat Pump (indoor air only)
- Mixed / Dual Source Heat Pump (indoor + outdoor air)



BEN's key features

Intelligent airflow control

- Patented internal damper system
- Automatically balances extract and outdoor airflow
- Maintains consistent ventilation without external dampers

Inverter-driven performance

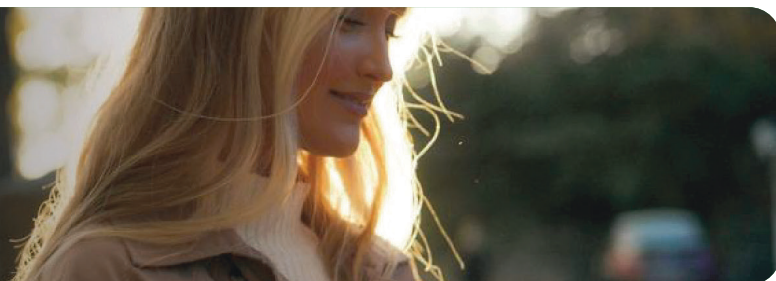
- Combines weather and load compensation
- Adjusts flow temperature automatically
- Matches output to demand for improved efficiency and comfort

Modular design

- Easy access to individual components
- Simplifies servicing and maintenance
- Designed to extend system lifespan



Smart control. Simple setup.



BEN app for Homeowners

- Monitor energy use
- Adjust heating, hot water & ventilation settings
- Optimise system performance

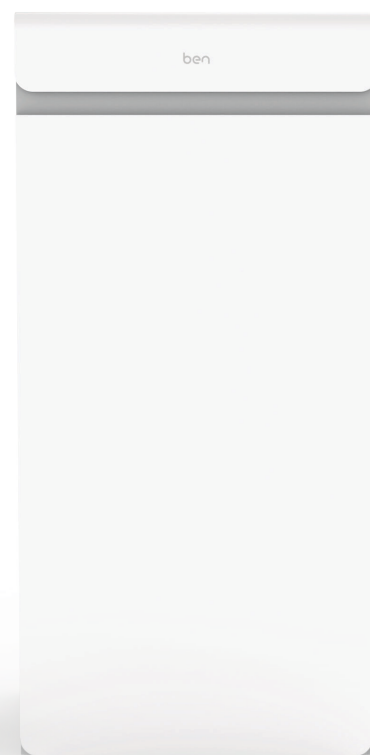
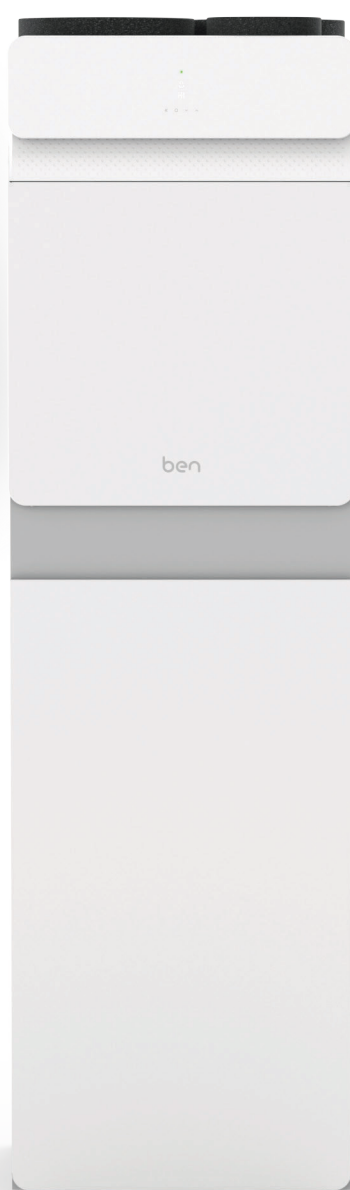
BEN app for Installers

- Guided setup via installer app
- Built-in diagnostics
- Save and reuse settings
- Remote monitoring and updates



Technical overview

Release 20250318	Specification	Details	Unit	Mono and Dual -AIR	Exhaust-AIR
Dimensions	Dimensions BEN Dual-AIR	width x depth x height	mm	600x550x808	600x550x808
	Weight unpacked	in kg, no decimals		+/- 85	+/- 85
Refrigerant	Type			R290	R290
	GWP / CO2 equivalent			3	3
	Amount	grams		450	450
Application limits	Min/max water temp	max	dgC	70	70
	Min/max outdoor air temp for heat pump	min	dgC	-15	-15
Performance CH	Max heating power heat pump		kW	5	5
Performance DHW	Volume			190	190
	Temperature range	max	dgC	65	65
Sound	Soundpower EN12102	indor / outdoor	Lwa	46 / --	46 / --
	Airflow range outdoor air		m ³ /h	0 - 1000	
	Airflow range exhaust air	min / max	m ³ /h	75 - 350	75 - 350
Ecodesign	Space heating energy efficiency class	LT / MT		A+++ / A++	A+++ / A+++
Average climate	Energy efficiency (η _s)	LT / MT	%	175/140	194 / 156
	Water heating energy efficiency class	190L		A+	A+
	Declared load profile	190L	%	L	L
	Water heating energy efficiency (η _{wh})	190L		115	141



Supporting modern energy standards

Designed to support high-efficiency homes and contribute to strong BER performance.

Suitable for systems aligned with government support schemes.

A smarter way to heat modern homes

All-in-one comfort. One intelligent system.

ben


Let's go neutral One home at a time


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Let's Become Energy Neutral

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