360WATER Systems Inc.
283 Broadway, Units 3 and 4
Orangeville, Ontario L9W 1L2
519-941-9120 (office) | 866-941-9120 (toll-free)
360water.ca

DAB EsyBox Mini 3 Booster Pump

Constant pressure for a single home — with the tank built in

The EsyBox Mini 3 is DAB's compact automatic pressurisation system for the water supply of a single dwelling. It combines a self-priming pump, inverter electronics, pressure and flow sensors, a high-resolution LCD display, a built-in 1/4 gal (1 L) expansion vessel and a cartridge check valve in one enclosure — so no additional components are needed for installation. The inverter varies the motor speed against demand, holding delivery pressure constant as taps open and close.

What it does for your home

- **Constant pressure, set your way.** The pressure set point adjusts from 15 to 79 psi (1–5.5 bar), and the inverter holds it steady as taps open and close — no more pressure sag when the shower and the washing machine run together.
- **Quiet by design.** A water-cooled motor, anti-vibration feet and a sound-absorbing housing keep it to 45 dB(A) in normal operation — quiet enough for a utility room or a cupboard.
- **The tank is built in.** A 1/4 gal (1 L) expansion vessel is built into the unit. It protects against thermal fluctuations and cuts pump starts — no separate pressure tank to find room for.
- **Self-priming, even from a tank.** It lifts water up to 26 ft (8 m) in under 5 minutes — for cisterns, rainwater tanks and shallow wells, as well as boosting a low municipal supply.
- **Protected against the bad days.** Dry-run, antifreeze, anticycling, overload, over/under-voltage and over-temperature protections guard the pump when the water or the power misbehaves.
- **Fits almost anywhere.** Horizontal, vertical or wall-mounted with the ESYWALL bracket, with double suction and delivery ports — compact enough for tight spaces, even under a sink.
- **Easy to live with.** The high-resolution LCD display shows and sets every parameter and the operating status. Wireless connectivity links booster sets and other DAB devices.



DAB EsyBox Mini 3 with built-in expansion vessel

Max flow	up to 22 gpm
Max head	up to 183 ft
Set point	15–79 psi
Power	0.85 kW (1.1 HP)
Tank	1/4 gal (1 L) built in
Noise	45 dB(A)

From 360WATER: Every recommendation starts with a look at your system — incoming pressure, flow and what the pump has to lift — so we can confirm a booster is the fix and size the Mini 3 to your home before you spend anything. **12 months interest-free financing** is arranged in-house, with no third-party finance company.

Warranty: DAB Pumps Inc. limited warranty — the EsyBox Mini 3 is guaranteed against defects in design, material and workmanship for 24 months from the date of purchase (no later than 30 months from the date of production), under normal use and service. DAB's obligation is limited to repair or replacement of the defective part or product. See DAB Pumps' Limited Warranty Statement for the full terms.

Performance — flow vs head

Head the pump delivers at each flow, from DAB's performance curve. Capacity up to 22 gpm (80 L/min); head up to 183 ft (56 m).

Pump curve (DAB, ISO 9906 tolerance)		
Flow	**Head (ft)**	**Head (m)**
4 gpm	180	55
8 gpm	160	49
12 gpm	112	34.2
16 gpm	74.8	22.8
20 gpm	29.5	9

Specifications

General	
Item	**Specification**
Application	Automatic pressurisation for a single dwelling
Pump	Self-priming, double impeller, 3 impellers
Installation	Horizontal, vertical or wall-mounted (ESYWALL bracket)
Connections	Suction and discharge 1" NPT
Maximum pressure	108 psi (7.5 bar)
Maximum settable pressure	79 psi (5.5 bar)
Liquid temperature	32–95 °F domestic (to 104 °F other use)
Maximum ambient temperature	122 °F (50 °C)
Maximum suction depth	26 ft (8 m)
Motor protection / insulation	IPX4 / Class F

Electrical	
Item	**Specification**
Power supply	115 / 230 V ~ 50/60 Hz
Power input (P1 max)	0.85 kW (1.1 HP)
Rated current	9.6 – 4.8 A

Dimensions and weight	
Item	**Specification**
Dimensions (H x W x D)	17.28" x 10.35" x 9.29" (439 x 263 x 236 mm)
Gross weight	32.2 lb (14.6 kg)

Built-in tank	
Item	**Specification**
Expansion vessel	1/4 gal (1 L), built in — technopolymer / rubber
Note	No separate pressure tank needed. On a system with a storage water heater, a separate thermal expansion tank is still required at the heater.

Materials	
Item	**Specification**
Motor sleeve	Stainless steel AISI 304
Motor, suction and delivery bodies	PP OMO 30% GF
Impeller	Noryl
Mechanical seal	Carbon-impregnated resin / silicon carbide / NBR
1" inserts	Brass
Non-return valve	Technopolymer / rubber / steel

Certifications and protections

CSA C22.2 No. 108-14; UL 778 (5th Edition); NSF/ANSI 61; NSF/ANSI 372. Protections: dry run, antifreeze, anticycling, overload, over/under voltage and over-temperature.

Not sure a booster is the fix? Low pressure is not always a pump problem — we check your incoming supply, piping and pressure first, and tell you plainly whether a booster is the fix.

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Summarized from the DAB E.SYBOX MINI 3 Technical Sheet USA (60182551, 02-2023) and the DAB Household Pumping Solutions brochure. DAB and E.SYBOX are trademarks of DAB Pumps. Specifications may change without notice; confirm sizing at time of quote. Warranty is DAB Pumps Inc.'s manufacturer limited warranty — see page 1.