

RAMFAN UB20 18 VDC

18 V Battery-Powered Portable Blower/Exhauster

Cordless operation:
 Compatible with Milwaukee M18 batteries.

Ventilation and air extraction:
 Can be used for air supply or extraction with a 20 cm flexible duct.

Compact and self-contained:
 Weighs 8 kg and offers up to 2 hours of runtime, depending on the selected speed.



Technical specifications

Model: RAMFAN UB20 18 VDC, 8 inches (approx. 20 cm)

Manufacturer's reference: ED5002

Function: Air supply and extraction

Fan type: Portable axial fan

Diameter: 8 inches, or 20 cm

Motor power: 0.27 HP / 0.20 kW

Power supply: 18 VDC

Compatible battery: Milwaukee M18

Battery used for runtime testing: Milwaukee M18

REDLITHIUM HD12.0, 18 V / 12 Ah

Starting current: 16 A

Operating current: 12 A

Speeds: Two settings, Low and High

Runtime at low speed: Up to 120 minutes

Runtime at high speed: Up to 60 minutes

Sound level at low speed: 68 dBA at 1 metre

Sound level at high speed: 74 dBA at 1 metre

Housing material: UV-resistant polyethylene with a double-wall structure

Dimensions without battery: 36 × 31 × 33 cm

Weight: 8 kg

Duct connection: Integrated adapter for a Ø 20 cm duct

Controls: Two-speed switch

Undervoltage protection: Cut-off at 14 V

Overcurrent protection: Limited to 16 A

Other protections: Reverse polarity, overheating and motor stall protection

Control enclosure protection: IP55 protection against rain

Available accessories:

- ECKO Flex flexible duct, Ø 20 cm, length 4.6 m
- ECKO Flex flexible duct, Ø 20 cm, length 7.6 m
- Duct carrying bag
- Quick-Couple storage case
- Milwaukee M18 HD12.0 battery
- Milwaukee M18 charger

Performance by selected mode

Mode	Runtime with 12 Ah battery	Sound level at 1 metre
Low	Up to 120 minutes	68 dBA
High	Up to 60 minutes	74 dBA

Runtime measured using a Milwaukee M18 REDLITHIUM HD12.0, 18 V / 12 Ah battery. Performance may vary depending on the battery, its charge level and operating conditions.

Product description

The **RAMFAN UB20 18 VDC** is a portable blower/exhauster designed for ventilation and air extraction on worksites, during maintenance operations and in confined spaces. Powered by a Milwaukee M18 battery, it operates without a power cable and can be quickly deployed in hard-to-reach areas or locations without access to an electrical power supply. Thanks to its integrated duct adapter, the **UB20 18 VDC** can be used in supply mode to deliver fresh air or in extraction mode to remove stale air, smoke and dust.

► Fully mobile ventilation

Its battery-powered operation allows operators to work without relying on an electrical outlet or generator. This configuration makes it ideal for mobile worksites, sewer networks, tanks, manholes, utility rooms and maintenance areas. With a Milwaukee M18 HD12.0 12 Ah battery, the UB20 provides up to 60 minutes of runtime at high speed and up to 120 minutes at low speed.

► Two operating speeds

The **RAMFAN UB20 18 VDC** features two ventilation modes:

- High mode provides more powerful airflow for rapid air renewal.
- Low mode maintains continuous ventilation while extending battery runtime.

The speed can be selected directly using the built-in switch.

► Air supply and extraction

The fan can be used to supply fresh air into an enclosed area or extract stale air to the outside.

It is compatible with flexible ducts measuring 20 cm in diameter, available in lengths of 4.6 or 7.6 metres. The optional Quick-Couple case facilitates duct transport, storage and protection.

► Robust and compact design

The double-wall polyethylene housing is UV-resistant and designed to withstand demanding worksite conditions.

With dimensions of 36 × 31 × 33 cm and a weight of 8 kg, the **UB20 18 VDC** is easy to transport and can be installed in confined areas.