

RAMFAN UB20 18VDC

8"/20cm Blower/Exhauster

Industrial Ventilation Systems | Confined Space

RAMFAN®

Product Overview

The RAMFAN UB20-18Vdc is a durable, portable turbo blower engineered for demanding jobsite and confined-space ventilation applications. Built with high-strength polymers and advanced turbofan technology, it delivers industry-leading airflow while maintaining the reliability and ruggedness professionals require.

Powered by the Milwaukee M18 battery platform, the UB20 provides cordless operation, extended runtime, and compatibility with a widely used battery system. It also features PRO//connect technology for enhanced connectivity and field control, along with built-in safety protections such as undervoltage, overcurrent, thermal, reverse-polarity, and stall-fault protection. When paired with an 18V/12Ah battery, it offers up to 60 minutes of runtime on High and up to 2 hours on Low.

Key Features

Speed Selections:

- Supports two preset modes:
 - **HIGH**
 - **LOW**
- Modes selectable via:
 - Physical switch input
 - PRO//connect / Bluetooth Low Energy (BLE) input
- Performance targets:
 - **HIGH mode** ~60 minutes runtime using an 18V / 12Ah battery pack
 - **LOW mode** ~2 hours runtime

Safety & Protection:

- **Undervoltage Cutoff:** 14V threshold
- **Overcurrent Protection:** 16A limit
- **Reverse Polarity Protection**

Specifications

Model	UB20 (18VDC)
Part #	ED5002
Motor	0.27 HP / 0.20 kW
Electric	18 VDC
Amps (Start/Run)	16A / 12A
Dimensions (h/w/d) *without battery pack	14 x 12 x 13 in 36 x 31 x 33 cm
Weight	17 lbs / 8 kg
Noise	68 dBA @ 3' (1m) - Low Mode 74 dBA @ 3' (1m) - High Mode
Run Time* *When operating with Milwaukee M18 Red Lithium HD12.0 (18VDC / 12Ah)	High Mode: 60 minutes Low Mode: 120 minutes
Bluetooth Compatibility	Yes



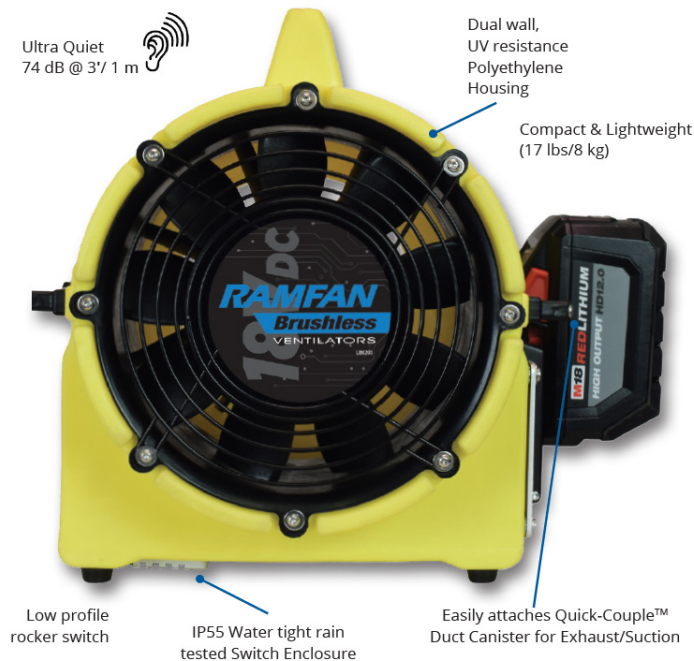
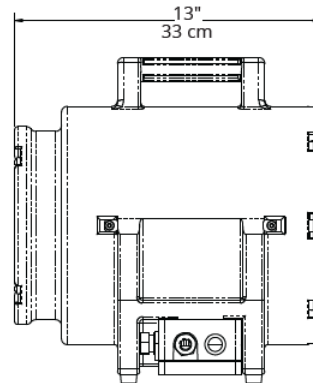
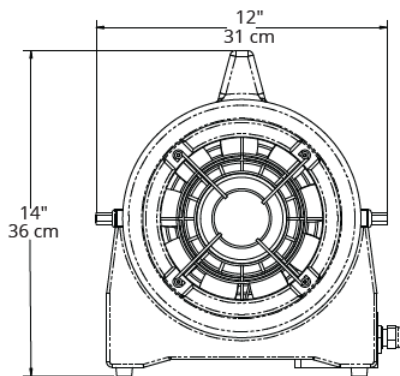
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Available Accessories

UB20 and Quick-Couple Canister

- Order# ED5015 - UB20 w/ Quick-Couple™ Canister and 15' (4.6 m) duct
- Order# ED5025 - UB20 w/ Quick-Couple™ Canister and 25' (7.6 m) duct

ECKO Flex™ with carrying bag

- Order# FDT-21624046BR - 8" (20cm) standard duct 15' (4.6 m), w/ carrying bag
- Order# FDT-21624076BR - 8" (20cm) standard duct 25' (7.6 m), w/ carrying bag



Stores and protects attached duct from rips and tears. Attaches quickly to UB20 for blowing or exhausting.



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Ventilation Systems



UB20 M.E.D.™ Manhole Entry System AC/DC



The M.E.D.™ allows workers to enter and exit small man-size openings while maintaining continuous ventilation. Without such a device, duct fills the manhole opening, preventing rapid entry and exit.

All Systems include: UB20, Quick-Couple Canister with 15'/4.6m duct and 5'/1.5m duct, Manhole Entry Device (MED), 90° elbow, universal mount and duct adapter

Order No#	ED5015-MED UB20 (115V)	ED8015-MED UB20 (230V)	ED9015-MED UB20 (12V DC)
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Extended Duct System



Quickly connect two or more RAMFAN UB20 axial blowers in series increases airflow up to 50% when blowing through long and windy duct runs. Long, windy duct runs need more power and pressure to deliver sufficient airflow, a costly proposition. The Turbo-Couple™ delivers what is needed by quickly joining two or more UB20's in series.

Order No#	ED7000TC - 115V UB20 (qty. 2) and Turbo-Couple	ED8000TC - 230V UB20 (qty. 2) and Turbo-Couple
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UB20 In-Line Heating System

Easily connect the UB20 In-Line Heater to heat confined spaces, command centers or rescue shelters for up to 8 hours. Delivers up to 55,000 BTU of safe, warm breathable air.

The system includes: 115V UB20, Propane Heater and duct

Order No#	ED7125-HT - Heater System w/ 15'/4.6 m duct and carry bag	HA01-100HT - Heater System w/ 15'/4.6 m duct and Quick-Couple™ canister	HA01-125HT - Heater System w/ 25'/7.6 m duct and Quick-Couple™ canister
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