

# INDUSTRIAL/ CONFINED SPACE

RAMFAN combines high performance turbofan design with high strength polymers to create a line of rugged, portable turbo blowers. The UB-Line is ideal for general use, confined space, hazardous ventilation and deliver the highest airflow in their class. The double-wall, polyethylene casing is light-weight, corrosion and chemical resistant and handles the bumps and falls of any job site.

## 8" / 20cm | UB20 Blower/Exhauster

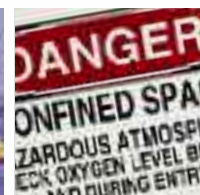
- Powerful, compact size and lightweight
- High pressure axial blower with ultra-quiet operation
- Corrosion-proof, dent-resistant and virtually indestructible
- Double-walled UV resistant polyethylene housing
- Thermal switch provides overheat protection
- 15'/4.6m AC power cord w/ IP65 rain tested switch enclosure
- 15'/4.6m DC power cord w/ battery clips
- IMPA Code:  
ED7002 - 591406



UB20 (12V DC)

MODEL	UB20 (12V)	UB20 (50Hz)	UB20 (60Hz)
Order #	ED9002	ED8002	ED7002
STOCK LOCATIONS			
FREE AIR 15ft/4.6m 1-90° turn 15ft/4.6m 2-90° turns	862cfm/1,465m <sup>3</sup> /hr 695cfm/1,181m <sup>3</sup> /hr 586cfm/996m <sup>3</sup> /hr	819cfm/1,392m <sup>3</sup> /hr 659cfm/1,120m <sup>3</sup> /hr 558cfm/948m <sup>3</sup> /hr	980cfm/1,666m <sup>3</sup> /hr 789cfm/1,341m <sup>3</sup> /hr 666cfm/1,132m <sup>3</sup> /hr
DUCT ADAPTER(S)	2	2	2
IMPELLER	9-blade	9-blade	9-blade
WEIGHT	17lbs/8kg	17lbs/8kg	17lbs/8kg
DIMENSIONS (h/w/d)	14/12/13 in 355/305/330 mm	14/12/13 in 355/305/330 mm	14/12/13 in 355/305/330 mm
NOISE	74dB	74dB	74dB
MOTOR	0.33Hp/0.25kW	0.25Hp/0.19kW	0.33Hp/0.25kW
ELECTRIC	12V DC	240VAC, 1 $\phi$	110VAC, 1 $\phi$
AMPS – RUN	11.5A	1.3A	2.9A
CERTIFICATION			

Airflow Certified by Colorado Experimental Engineering Station, Inc. (CEESI)





## Quick-Couple™ Reversible Canister

Detachable in seconds, the Quick-Couple™ Canister with attached duct conveniently reverses from discharge to suction, making use and storage easier while protecting duct from rips and tears. Available with 15'/4.6m or 25'/7.6m of duct.

15'/4.6m canister: 14h x 12w x 31.5d in.  
35.6h x 30.5w x 80d cm

25'/7.6m canister: 14h x 12w x 41.5d in.  
35.6h x 30.5w x 105d cm

### Order # System Includes

Order #	System Includes
ED7015	8" 110V Blower/Exhauster, Quick-Couple™ Canister w/ 15' duct
ED7025	8" 110V Blower/Exhauster, Quick-Couple™ Canister w/ 25' duct
ED8015	20cm 240V, 50Hz Blower/Exhauster, Quick-Couple™ Canister w/ 4.6m duct
ED8025	20cm 240V, 50Hz Blower/Exhauster, Quick-Couple™ Canister w/ 7.6m duct
ED9015	8" 12V Blower/Exhauster, Battery Clips, Quick-Couple™ Canister w/ 15' duct
ED9025	8" 12V Blower/Exhauster, Battery Clips, Quick-Couple™ Canister w/ 25' duct



## UB20 Turbo-Couple™

### Long Distance Ventilation Solution

Quick-connecting two or more RAMFAN UB20 axial blowers in series increases airflow up to 50% when blowing through long and windy duct runs.

Designed for duct runs up to 25'/7.6m, the UB20 airflow significantly drops when blowing through more than 75'/22.9m of duct or when confronted with multiple turns in the duct.

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, each adding pressure and power to deliver a dramatic airflow increase through the duct.

Simple, cost effective and now available.

- Pushes *MORE* air through long windy ducts
- Ventilate through 250ft/75m duct
- UB-line compatible
- UB20xx compatible
- High impact polyethylene



Patent no. D602,347S

### Order # System Includes

Order #	System Includes
ED7300	Turbo-Couple™ Accessory
ED7000TC	8" 110V, 60Hz Blower/Exhausters (qty. 2) and Turbo-Couple™
ED8000TC	20cm 240V, 50Hz Blower/Exhausters (qty. 2) and Turbo-Couple™

## UB20 M.E.D.™ Manhole Entry Device

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. Tightly integrated into the UB-line of confined space ventilation equipment, RAMFAN's M.E.D.™ is quick to assemble and the new swiveling elbow makes duct alignment easy.

Changing its cross-section from circular to elliptical and back to circular minimizes loss and optimizes airflow into a confined space, while providing adequate room for the worker to enter and exit unimpeded. The rugged polyethylene construction endures heavy, negligent use and will last for years.

Comprised of three components, the M.E.D.™, swiveling elbow, and universal mount, the RAMFAN M.E.D.™ system increases safety by maintaining continuous airflow.

- Ventilate without blocking entry
- Maintain airflow while working
- UB-line compatible
- High impact polyethylene



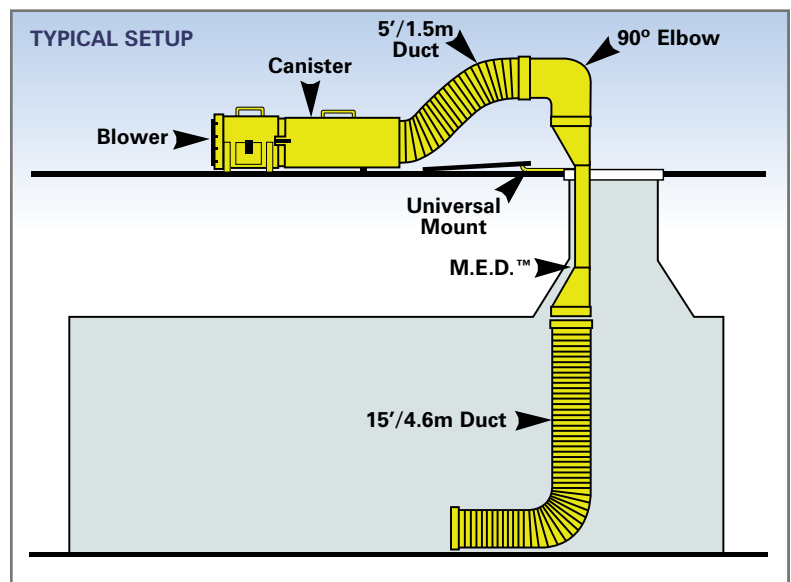
See page 12 for conductive M.E.D.™ System



**System Includes: 8"/20cm Blower/Exhauster, Quick-Couple™ Canister with 15'/4.6m and 5'/1.5m of duct, Manhole Entry Device, 90° Elbow, Universal Mount**

### Order #

<b>ED7015-MED</b>	115V/60Hz Blower with 15'/4.6m and 5'/1.5m Duct
<b>ED8015-MED</b>	220V/50Hz Blower with 15'/4.6m and 5'/1.5m Duct
<b>ED9015-MED</b>	12V DC Blower with 15'/4.6m and 5'/1.5m Duct



### SET-UP PROCEDURE

1. Remove Manhole Lid
2. Place Manhole Mount at the edge of the manhole so that the hook on the mount is hanging a few inches over the manhole. Place the Manhole lid at the opposite end (lid will be propped up by manhole mount).
3. Attach the 15'/4.6m Duct to the bottom of the M.E.D.™
4. Secure the M.E.D.™ by hooking onto Manhole Mount
5. Attach the 90° Elbow by lining up the arrows at the bottom of the elbow with the arrows at the top of the M.E.D.™ then twisting a half rotation.
6. Set up Blower and Canister with 5'/1.5m Duct approx. 7'/2m away from manhole. Attach Canister to blower using the rubber latches on the side of the Canister.
7. Pull out Duct from Canister and attach to the 90° Elbow
8. Plug Blower into power source and turn on.