

**ROSENBERG USA
UNOBOX**



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MULTIPLE „FANBOX“ BUILDER



The concept consists of several Unobox Fans connected in parallel, assembling a fan section to replace the installation of a single large fan. This arrangement has considerable advantages. The modular principle increases flexibility and depending on the installation requirements, the number and size of Unobox Fans can be selected optimally. Furthermore, the concept improves the total air flow distribution, resulting in an efficient method of heat transfer and air filtration. The use of Unobox Fans instead of one large fan improves redundancy of a typical air handling installation. In the event of a single Unobox Fan malfunction, the system performance is not compromised. The remaining operational Unobox Fans can have their speed adjusted up-ward to compensate for the loss of performance. The concept of building a fan section with multiple Unobox Fans provides for a 'low level' of noise construction - each Unobox Fan is enclosed with a 'sound attenuated' casing.



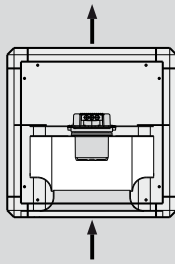
UNOBOX



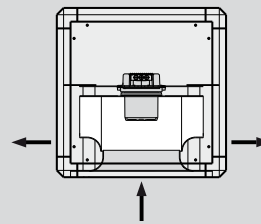
DESIGN FEATURES



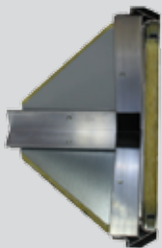
- Air volume up to 10,000 cfm
- Static pressure up to 7" wg
- Casing with double skin 20 mm panels
- Extruded frame construction
- Fans powered with high efficiency AC or EC external rotor motors
- EC motors with integrated controller
- 100% speed controllable
- Easy installation and maintenance
- Extremely low noise
- Flexible airflow direction
- Supply or exhaust ventilation systems
- Applicable for New or Retrofit designs



Straight through airflow



90 degree one side open or two sides open

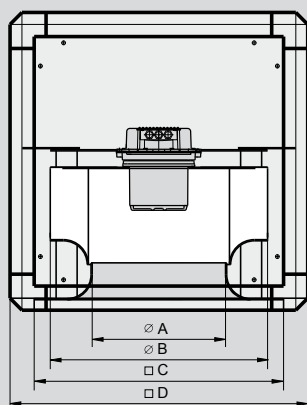


Frame construction features extruded aluminum profiles with 2 chambers and plastic edges with double skin (20 mm) galvanized steel panels insulated with fire-rated, sound and thermal insulation.

Technical data



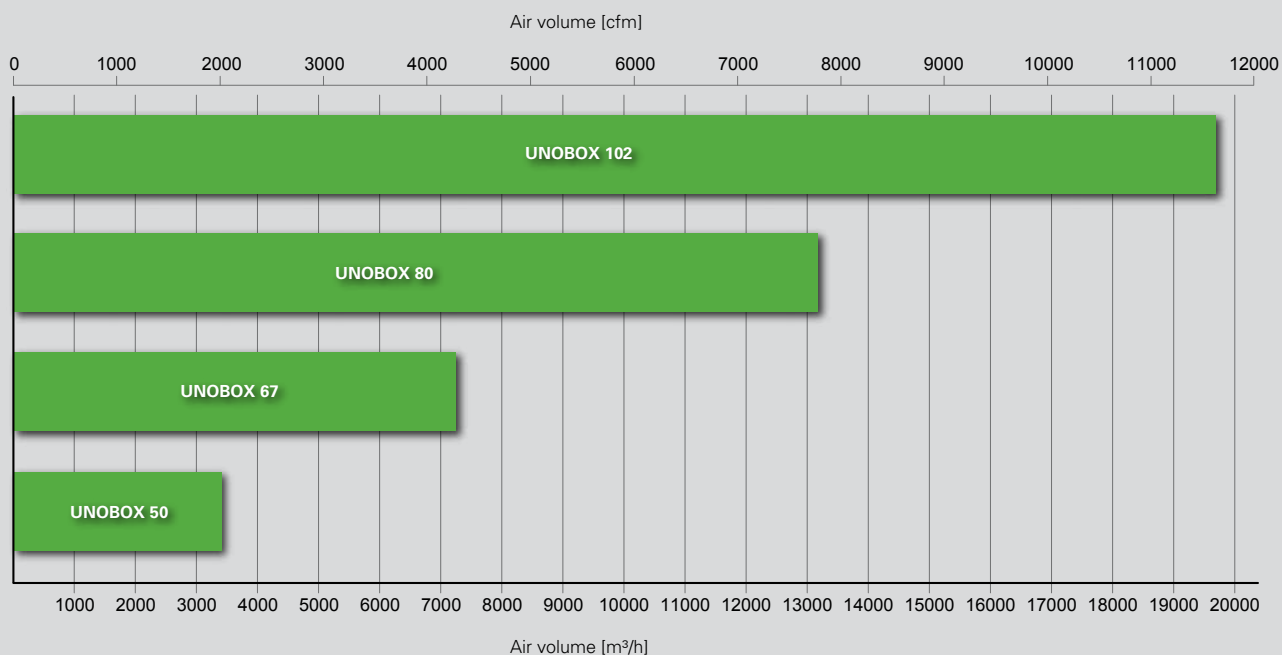
DIMENSIONS



| Size | A (mm/in) | B (mm/in) | C (mm/in) | D (mm/in) |
|--------------------|-------------|-------------|-------------|--------------|
| UNO 50-315 | 203 / 7.99 | 319 / 12.56 | 450 / 17.72 | 500 / 19.69 |
| UNO 50-355 | 228 / 8.98 | 359 / 14.13 | 450 / 17.72 | 500 / 19.69 |
| UNO 67-400 | 257 / 10.12 | 404 / 15.91 | 620 / 24.41 | 670 / 26.38 |
| UNO 67-450 | 289 / 11.38 | 454 / 17.87 | 620 / 24.41 | 670 / 26.38 |
| UNO 80-500 | 325 / 12.80 | 510 / 20.08 | 720 / 28.35 | 800 / 31.50 |
| UNO 80-560 | 362 / 14.25 | 570 / 22.44 | 720 / 28.35 | 800 / 31.50 |
| UNO 102-630 | 410 / 16.14 | 640 / 25.20 | 940 / 37.01 | 1020 / 40.16 |
| UNO 102-710 | 460 / 18.11 | 718 / 28.27 | 940 / 37.01 | 1020 / 40.16 |

all dimensions are with W type wheels

AIR VOLUMES



For specific air volume @ static pressure please use selection program RoVent-Multi or consult with distributor.

Rosenberg Group



The Rosenberg Group designs, manufactures and sells external rotor motors and fans. With production sites and sales offices in 45 countries, we are present worldwide. We are a strong and reliable partner always within reach of our customers. Our fans have been successfully used in demanding applications on all continents since 1981. Here are some application examples: Railway technology, Wind power, Refrigeration and air conditioning, Air handling units, Filtration systems and Electronic cooling.

The Rosenberg USA sales office and warehouse are located in Indian Trail, N.C. We provide sales, engineering solutions, stock and after-sales support to our customers throughout the United States.

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