



The Energy Conservatory

## MINNEAPOLIS DUCT BLASTER®



PERFORMANCE TESTING TOOLS

**MOST WIDELY USED DIAGNOSTIC TOOLS BY:**

**Weatherization Auditors and Crews**

**Home Performance Contractors**

**Home Energy Raters**

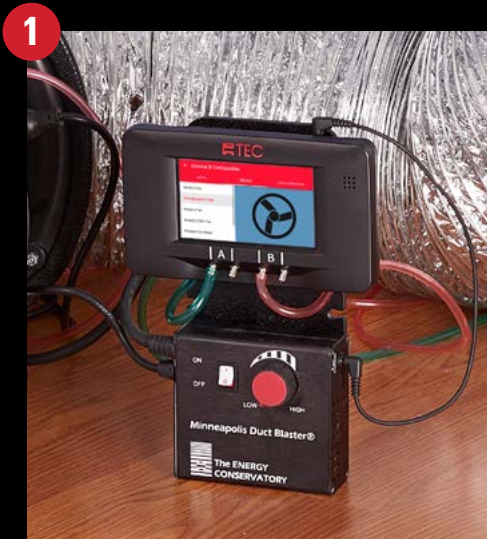
**Trainers**



**Standard Minneapolis Duct Blaster® kit includes:**

- Duct Blaster fan with fan speed controller
- DG-1000 or DG-700 Digital Pressure and Flow Gauge
- Three flow rings (optional Ring 4)
- Twelve feet (3.7 m) of 10 in. (25 cm) diameter flex duct
- Padded nylon carrying case
- Static pressure probe
- Sample roll of Premium DuctMask™ Temporary Register Sealing Tape
- Duct Blaster training video and manual
- Software

## ANATOMY OF THE MINNEAPOLIS DUCT BLASTER



**DG-1000 Pressure and Flow Gauge**

- Contains two precision pressure sensors that provide simultaneous display of both duct pressure and fan flow.
- Specialized “CFM@25” feature makes it easy to get quick and accurate total leakage test results.

**Series B Duct Blaster Fan**

- Lightweight 7-pound fan delivers enough air flow to test the leakiest duct systems.
- Free air flow up to 1,550 CFM (731 l/s, 2,633 m3/h)

**Flex Duct**

- Standard kit comes with twelve feet of 10 inch diameter flex duct with a round and square transition piece.
- A 25 foot long 10 inch diameter option is also available for the harder-to-reach vents.

# DUCT BLASTER SPECIFICATIONS

COMPONENT	SPECIFICATIONS	
Series B Duct Blaster Fan	Maximum Flow	1,550 CFM at free air (731 l/s, 2,633 m3/h) 1,450 CFM at 25 Pa (684 l/s, 2,463 m3/h) 1,410 CFM at 50 Pa (665 l/s, 2,395 m3/h)
	With flex duct attached	1,150 CFM at free air (542 l/s, 1,954 m3/h) 1,075 CFM at 25 Pa (507 l/s, 1,826 m3/h) 1,025 CFM at 50 Pa (483 l/s, 1,741 m3/h)
	With flex duct, ring 1 and flow conditioner (depressurization)	750 CFM at free air (354 l/s, 1,274 m3/h) 725 CFM at 25 Pa (342 l/s, 1,231 m3/h) 700 CFM at 50 Pa (330 l/s, 1,189 m3/h)
	Minimum Flow	10 CFM with Ring 3 (5 l/s, 17 m3/h) 2.4 CFM with Ring 4 (1.1 l/s, 4 m3/h)
	Fan Dimensions	10 in. (25 cm) inlet diameter, 7 in (17.8 cm) length
	Weight	7 lbs. (3.18 kg), 8.5 lbs. (3.86 kg) with 3 flow rings
	Flow Accuracy	+/- 3% with DG-700 or DG-1000
	Calibration	Meets ASTM Standard E779, E1554, CGSB-149.10-M86, EN 3829, ATTMA Technical Standard 1, NFPA 2001, ASHRAE 152, RESNET and USACE
	Power	110V or 220V

Specifications subject to change without notice.

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## Accessories and Options

### Ring 4



An optional flow ring that is used to measure air flow between 25 and 2.4 CFM.

### Duct Blaster Door Panel



This door panel allows the Duct Blaster fan to be used as a mini blower door system.

### DuctMask™



Quickly and easily cover registers and grills with this perforated premium tape.

## COMPLETE SERVICE AND USER SUPPORT IS BUILT IN.

All of our products come with a full two-year warranty on parts and labor, and access to the most knowledgeable customer service staff in the industry. If you have questions on the use of our products or how to handle unusual situations, you can count on us to give dependable answers. We always stock a complete line of replacement parts and can respond quickly to any service or equipment problem.

Our nearly 40 years of expertise goes beyond simply knowing about equipment. The Energy Conservatory's on-going research, active participation with technical associations, and close working relationships with the world's leading building scientists keeps us involved in the development and field testing of many of the performance testing industry's techniques. This means you always have the most up-to-date information and testing procedures.



The **Minneapolis Blower Door™** is used to measure the airtightness of homes and buildings.



The **Exhaust Fan Flow Meter**, shown with the DG-700, is used to measure airflow through bathroom fans, whole house ventilation fans and other exhaust devices.



The **TrueFlow® Air Handler Flow Meter** is used to measure the total amount of air moving through an air handler.

*For nearly 40 years, the Minneapolis Duct Blaster has been the system of choice for energy raters, HVAC contractors, builders, insulation contractors, weatherization professionals and utility programs.*

✓ The most accurate

✓ Easy to use

✓ Dependable

✓ Backed by industry-leading tech support

**To order, or for more information contact:**



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