

## READ THIS ENTIRE INSTRUCTION SHEET BEFORE INSTALLING UNIT

If you have doubts or are unfamiliar with this type of installation work, seek the services of a qualified electrician. SUPCO assumes no responsibility for installation of the Duct Booster. SUPCO does not provide electrical connection information. For your safety and protection follow all instructions and adhere to applicable building and/or electrical codes.

Operating range is 50°F (10°C) to 140°F (60°C). Exposure to temperatures outside this range

### TOOLS REQUIRED

- Screwdriver
- 1/2" and 1/8" sheet metal drill bits
- Sheet metal shears
- junction box (if required by code)

### ENCLOSED PARTS

- 8 of 5/32" sheet metal screws

### IMPORTANT WARNING

Due to the power of a booster fan, adequate protective measures must be taken to avoid possible contact with the impeller blades. Booster fans are designed to boost only dry (ambient) heated or cooled airflow in duct conduits of forced air systems with temperatures between 50°F (10°C) and 140°F (60°C). Use in applications other than the intended purpose voids the warranty, may cause a dangerous situation resulting in fire, possibility of electrical shock, or other hazard. SUPCO accepts no responsibility for use of this product in other applications.

### GENERAL INSTALLATION NOTES

For maximum performance and minimal noise, the best location to install your Duct Fan is 6-10 feet from the register you wish to boost air to. To prevent air leaks use a good quality duct tape to seal the seams in the duct-work after installing the Duct Fan. By utilizing tapered reducers you may use larger diameter duct fans in smaller diameter ducts. Always leave your Duct Fan accessible for maintenance, cleaning or repair.

### IMPORTANT NOTICE

The diameter of your Duct Booster may have 1 White and 1 Black wire or 2 Black wires. If you have a motor with a White and Black wire, connect the White motor wire to the White supply wire and the Black motor wire to the Black supply wire. If you have a motor with 2 Black wires, connect either of the Black wires to the White supply wire and the other Black wire to the Black supply wire.

White (neutral or common) wire from power source Black or White Wire (see note above) from motor	Black (hot or line) wire from power source Black wire from motor	Green (grounded wire) from power source Green wire from motor
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### ELECTRICAL CONNECTION

The Duct Booster should be connected to 115 volt power source only (220 volt power source only for 220 volt models). The installation kit comes equipped for flexible cord connection, which may not be acceptable by local authorities. To conform to local codes it may be necessary to attach a junction box at the point where the wires extend through the duct.\* Where the Duct Booster is installed as part of a heating duct system, electrical supply connections should be suitable for 75° C temperature.

### POWER CONTROL OPTIONS

- 1.Connect direct to 115V/220V for continuous operation.
- 2.Wire through an ON/OFF switch located in a convenient place. (Example: a wall switch in the room to be served.
- 3.Wire through a thermostat installed in the room to be served. (this provides for automatic ON/OFF room temperature control)
- 4.Wire in parallel to existing blower. Be sure motor is rated 115/220 VAC, single phase 60 cycles. Blower motor controller cannot be a variable speed tap type, solid state speed control or any other type not designed for dual motor control.
- 5.Wire to 115V/220V through an auxiliary switch, (pressure or "sail" type) which will automatically energize the Duct Booster whenever the blower operates.



MODEL	DIMENSIONS	VOLTAGE	CFM
DB6	6" x 6"	120 V 60 Hz	250
DB8	8" x 8"	120 V 60 Hz	500
DB10	8" x 10"	120 V 60 Hz	650
DB12	8" x 12"	120 V 60 Hz	800



# DB Series In-Line Duct Fan



Disconnect power before servicing equipment.

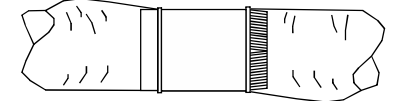
**WARNING** - This is a single speed motor. Do not add or modify the fan or input power. Always turn off power before installing or servicing the fan. Installation should be done by a qualified technician, and to applicable state and local codes.

### INSTALLATION

Locate the place in the duct where you wish to install the Duct Fan. Align arrow label on unit in direction of airflow.

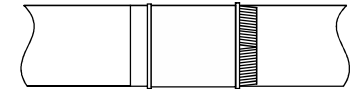
Air Flow → → → → Problem Room

**FLEXIBLE DUCT** Install connectors onto any un-crimped ends of the unit. Then simply cut the flexible duct and slide the Duct Fan in place by slipping the cut flexible duct ends over the connectors or crimped ends on the Duct Fan, making sure the unit is well supported. Complete the installation by securing the Duct Fan with quality duct tape or nylon cable ties.



Air Flow → → → → Problem Room

**METAL DUCT** Install connectors onto any un-crimped ends of the unit or crimp your existing duct-work. Then simply place the existing duct over the crimped ends of the unit, or the existing crimped duct-work into the unit. Secure the Duct Fan to the metal screws spaced evenly around the circumference on each end of the unit.



**CLEANING & MAINTENANCE** - SUPCO recommends that you clean your Duct Fan at regular intervals, similar to what is recommended for the fan of your furnace, but at least twice a year. Keep your Duct Fan free of lint, duct and debris. **The Duct Fan must never be exposed to temperatures over 140°F (60°C)**

### LIMITED WARRANTY

Sealed Unit Parts Co., Inc. (hereafter known as SUPCO) hereby warrants that it will repair or replace, at its option, any part of the Duct Fan, which proves defective by reason of improper workmanship or material, free of charge for parts and labor, for a period of one year from the date of original purchase by the buyer. This warranty does not apply if, in the sole opinion of SUPCO, the Duct Fan has been intentionally damaged due to misuse, neglect, improper packing, shipping modification or servicing by other than Sealed Unit Parts Co., Inc. or personnel authorized by Sealed Unit Parts Co., Inc. For information on how to obtain service under this warranty contact the dealer where your Duct Fan was purchased.

### LIABILITY DISCLAIMERS

SUPCO makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does SUPCO assume any liability arising out of the application or use of any product, and specifically disclaims any and all liability, including without limitation consequential or incidental damages. SUPCO products are not designed, intended or authorized for use as components in life support systems, or any other application in which the failure of the SUPCO product could be create a situation where personal injury or death or significant financial loss may occur. Should any person or persons purchase or use SUPCO products for any such unintended or unauthorized application, that person or persons shall indemnify and hold SUPCO, and its officers, employees affiliates and distributors harmless against all claims, costs, damages, expenses and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or financial loss associated with such unintended or unauthorized use, even if such claim alleges that SUPCO was negligent regarding the design or manufacture of the product in question.