



# Submittal Data Sheet

## CDB8 COMMERCIAL DRYER DUCT BOOSTER®

Job Name: \_\_\_\_\_

Equipment Rep: \_\_\_\_\_

Contractor: \_\_\_\_\_

Prepared By: \_\_\_\_\_

Arch./Engr.: \_\_\_\_\_

Date: \_\_\_\_\_

### Description:

The CDB8 was designed specifically for Lint-Laden Exhaust from Commercial Clothing Dryers. It can be installed In-line in a straight duct run using the IEK8 Elbow Kit or used as a 90 degree Elbow since the Inlet / Outlet duct connections are on the same center plane. The CDB8 can be powered by many different control options including industry standard Motor Contactors, Solid State Speed Controls and Single Phase VFD's for 10 to 1 modulation. The CDB8 includes Tjernlund Products' Patented Thermal Cooling System which protects the motor at low operating speeds. Made in the U.S.A.

### Housing Construction & Mounting Features:

Constructed out of 18 Gauge, Aluminized Steel. Includes a Universal Mounting Bracket System to aid the installation using industry standard materials like threaded rod and plumbers strap. The CDB8 Unique Housing design allows for the removal of the all drive components without the need to remove the housing from the duct connections. In addition, the electrical box connection point can be easily positioned every 45 degrees around the motor axis to aid in installation.

### Impeller Construction:

5052 Corrosion Resistant, Anti Spark Aluminum. High Performance Backward Inclined Configuration guaranteed not to become plugged in Clothing Dryer Applications. See our Video available at [www.dryerboosters.com](http://www.dryerboosters.com).

### Motor:

½ HP PSC permanently sealed ball bearing. The CDB8 is approved for all mounting applications from the Motor Shaft being Horizontal to Vertical Down and every mounted angle in between. Approved for 10 to 1 turn down applications. Ambient Air Temperature Range is from 32 Degrees F to 120 Degrees F.

### Maximum Exhaust Temperature Rating:

200° F / 93° C

### Listings:

ETL # 56826  
ANSI/UL 705-2004 Power Ventilators  
CSA C22.2#113-15 Fans and Ventilators



### Warranty:

2 year mechanical

### Optional Equipment:

- IEK8 In-line Elbow kit, 8" Diameter
- DEVH8 Dryer Exhaust Vent Hood for Sidewall Vented applications with 8" Diameter Duct.
- DEVH12 Dryer Exhaust Vent Hood for Sidewall Vented applications with 12" Diameter Duct.

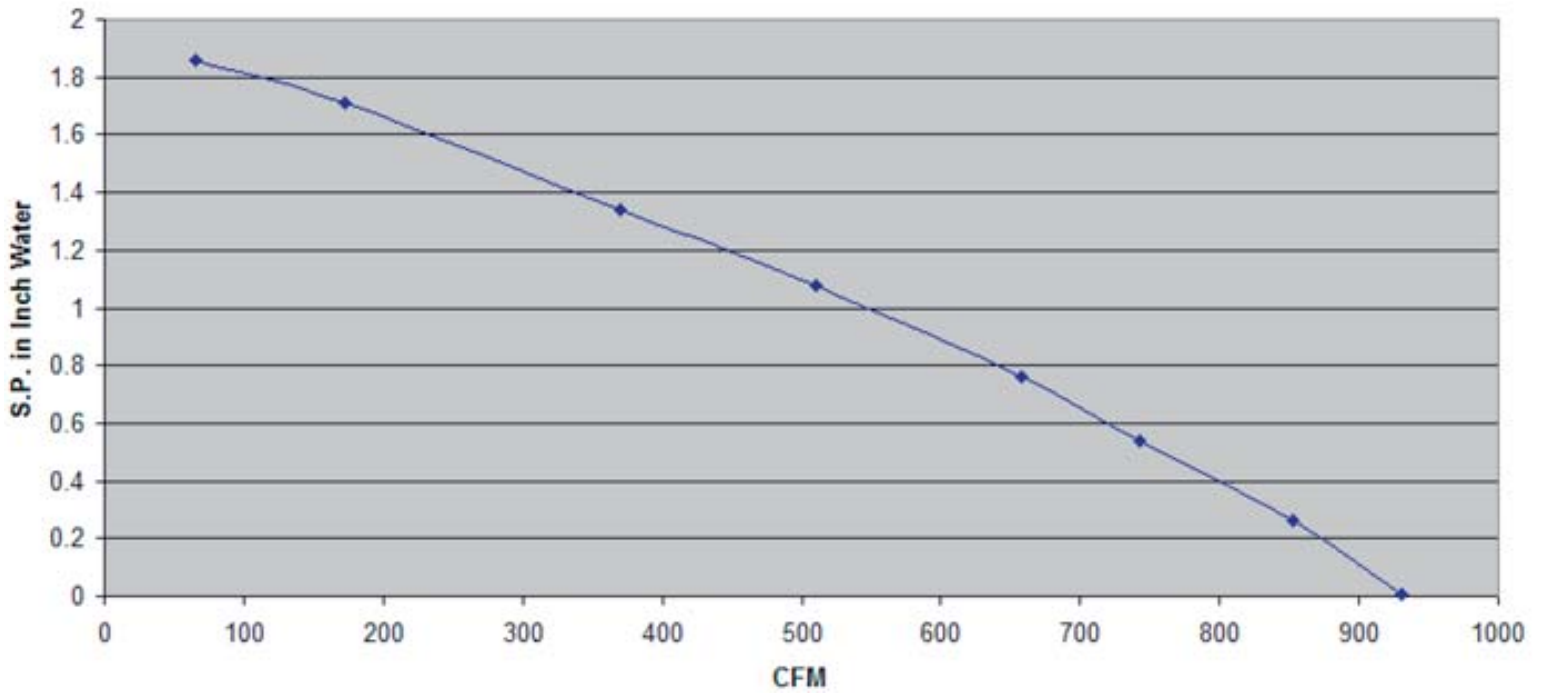
### Optional Controls:

- COP2DB Constant Operating Pressure Controller. Includes Pressure Transducer and Single Phase VFD with Speed Control Software and Settable Pressure Target.
- 950-8415 Solid State Speed Control. Manually Adjusted On / off with 2 to 1 turn down.
- DR10 Dryer Duct Pressure Switch for automatic operation of Dryer Duct Booster®.

### Dimensions:



CDB8 @ 60HZ - WITHOUT USE OF COP2DB CONSTANT OPERATING PRESSURE CONTROL



CDB8 @ 70HZ - WITH COP2DB CONSTANT OPERATING PRESSURE CONTROL

