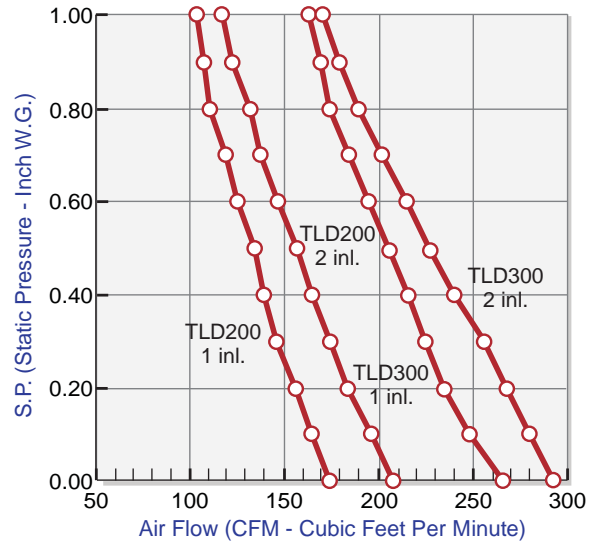


# DRYER BOOSTER "TLD" SERIES FANS

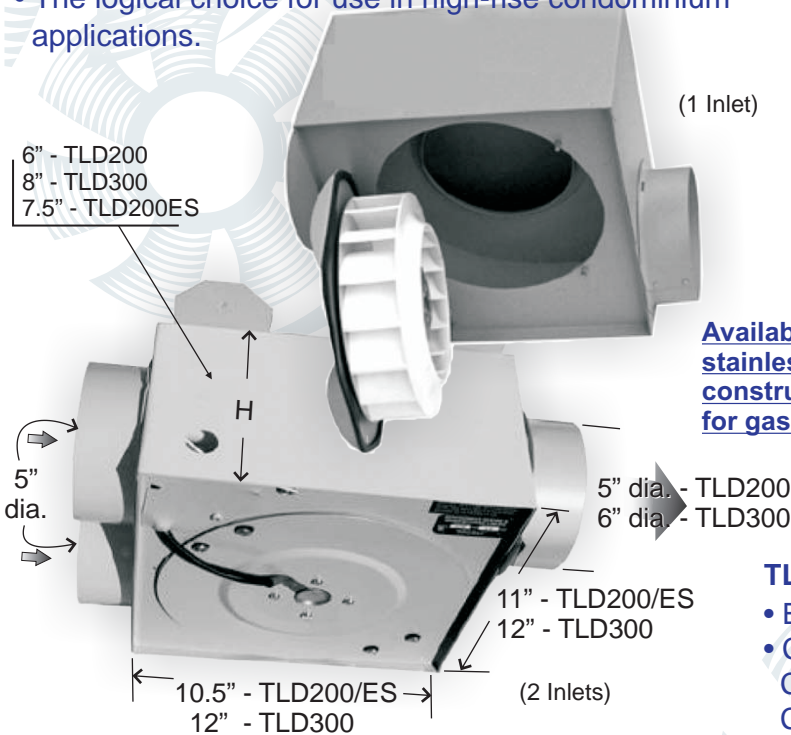
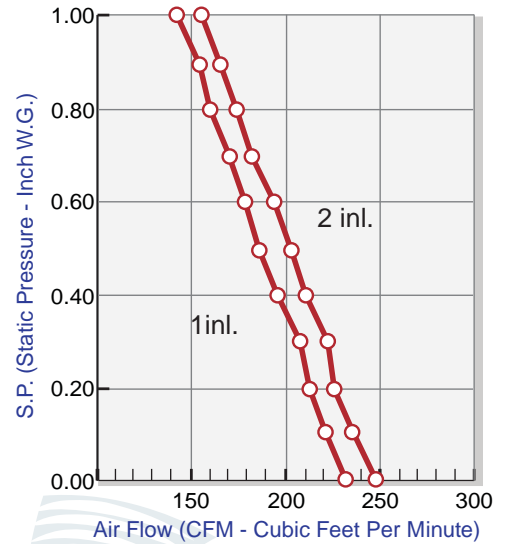
## GENERAL PURPOSE INLINE AND DRYER EXHAUST FAN

- Self cleaning, non overloading wheel.
- Engineered for quiet continuous operation making it perfect for general purpose ventilation and dryer exhaust application.
- Low profile construction simplifies installation in those tight spaces.
- Built with a well balanced motor impeller assembly, and a backward inclined wheel for smooth quiet operation.
- High efficiency motor.
- Optional hinged impeller for ease of cleaning and maintenance.
- Available with one, two and three inlets.
- Fan housing constructed of heavy gauge satin coat galvanized steel finish.
- The logical choice for use in high-rise condominium applications.

## TLD200 & 300 (1 & 2 inlets) FAN DATA



## TLD200ES (1 & 2 inlets) FAN DATA



Available in stainless steel construction for gas dryer

### TLD200ES

- Energy Star approved
- Certified by California Energy Commission in Accordance with California Law - Title 20.



## DRYER BOOSTER "TLD" SERIES PERFORMANCE CHART

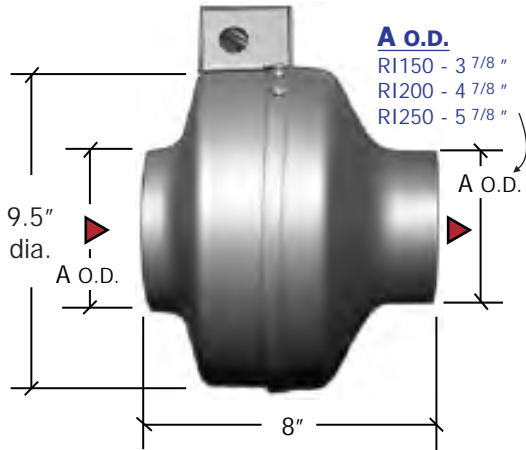
| MODEL             | RPM  | AMPS | S.P. | 0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TLD200 (1 inlet)  | 2500 | 0.70 | CFM  | 175  | 165  | 157  | 148  | 140  | 134  | 127  | 121  | 112  | 108  | 105  |
| TLD200 (2 inlets) | 2500 | 0.70 |      | 208  | 197  | 184  | 175  | 165  | 156  | 147  | 138  | 131  | 124  | 117  |
| TLD300 (1 inlet)  | 2500 | 1.00 |      | 265  | 248  | 234  | 224  | 214  | 204  | 195  | 185  | 175  | 170  | 163  |
| TLD300 (2 inlets) | 2500 | 1.00 |      | 292  | 280  | 269  | 255  | 240  | 227  | 214  | 201  | 190  | 180  | 170  |

## ENERGY STAR FAN PERFORMANCE CHART

|                     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TLD200ES (1 inlet)  | 2500 | 0.70 | CFM | 232 | 221 | 212 | 205 | 196 | 188 | 179 | 171 | 160 | 152 | 144 |
| TLD200ES (2 inlets) | 2500 | 0.70 |     | 249 | 236 | 227 | 220 | 210 | 202 | 193 | 183 | 173 | 164 | 155 |

RPM (Revolution Per Minute) shown is nominal and performance is based on actual speed of test.

# DRYER BOOSTER "RI" SERIES FANS



**A.O.D.**  
 RI150 - 3 7/8"  
 RI200 - 4 7/8"  
 RI250 - 5 7/8"

- Engineered to provide effective and reliable operation.
- Fan housing constructed of heavy gauge satin coat steel with baked enamel finish.
- Meet Washington State Ventilation and Indoor Air Quality Code.

### FAN MOTOR

| MODEL | RI-150 | RI-200 | RI-250 |
|-------|--------|--------|--------|
| AMPS  | 0.70   |        |        |
| Watts | 85     |        |        |
| RPM   | 2500   |        |        |

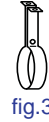
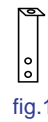
### ACCESSORIES

#### Standard:

- Mounting brackets for wall or truss mounting (fig.1)

#### Optional:

- Mounting clamps for use with rigid duct, complete with foam rubber insulation (fig.2)
- Suspension bracket (fig.3)
- Backdraft damper with butterfly valve to prevent cold air from entering when fan is not in use (fig.4)

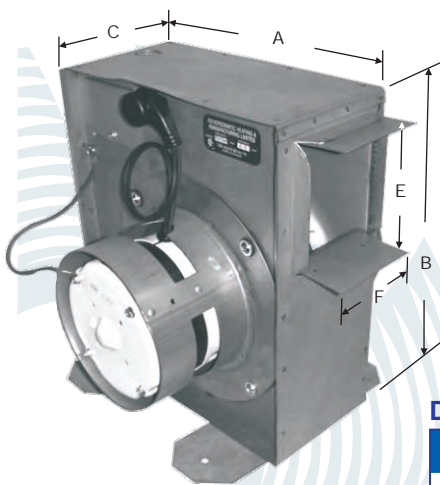


### PERFORMANCE CHART

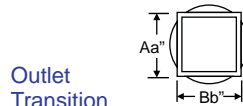
| MODEL  | CUBIC FEET PER MINUTE AT STATIC PRESSURE |      |      |      |      |      |      |      |      |      |      |
|--------|--|------|------|------|------|------|------|------|------|------|------|
|        | 0.00                                     | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 |
| RI-150 | 156                                      | 148  | 140  | 132  | 125  | 112  | 101  | 94   | 88   | -    | -    |
| RI-200 | 214                                      | 198  | 186  | 173  | 159  | 146  | 133  | 121  | 109  | 97   | -    |
| RI-250 | 252                                      | 227  | 208  | 194  | 180  | 165  | 150  | 133  | 120  | 108  | 93   |

RPM (Revolution Per Minute) shown is nominal and performance is based on actual speed of test. Unit was tested with inlet cone, backdraft damper and outlet duct.

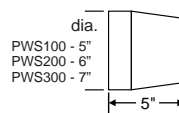
# DRYER BOOSTER "PWS" SERIES FANS



The PWS series is specially designed to exhaust air from the dryer. It has been equipped with a paddle wheel impeller to prevent lint buildup.



| Model      | Aa''   | Bb''   |
|------------|--------|--------|
| PWS100/200 | 3 3/4" | 3 1/4" |
| PWS300     | 4 1/2" | 4 1/2" |



### DIMENSIONS:

| MODEL  | A      | B       | C      | D  | E      | F      | H      |
|--------|--------|---------|--------|----|--------|--------|--------|
| PWS100 | 9 1/4" | 11"     | 4 1/2" | 5" | 3 3/4" | 3 1/4" | 8 1/2" |
| PWS200 | 9 1/4" | 11"     | 4 1/2" | 6" | 3 3/4" | 3 1/4" | 9 1/2" |
| PWS300 | 11"    | 12 3/4" | 5 1/2" | 7" | 4 1/2" | 4 1/4" | 11"    |

### ACCESSORIES

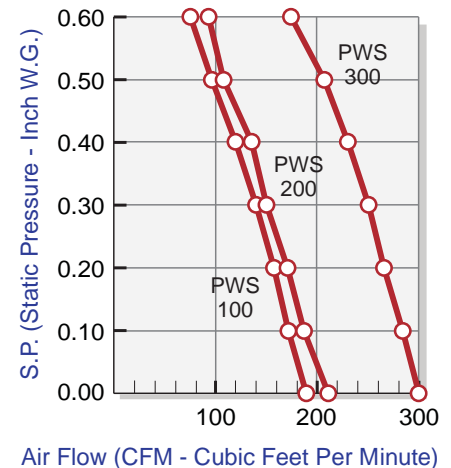
#### Standard:

- Mounting brackets

#### Optional:

- Lint trap
- Outlet Transition

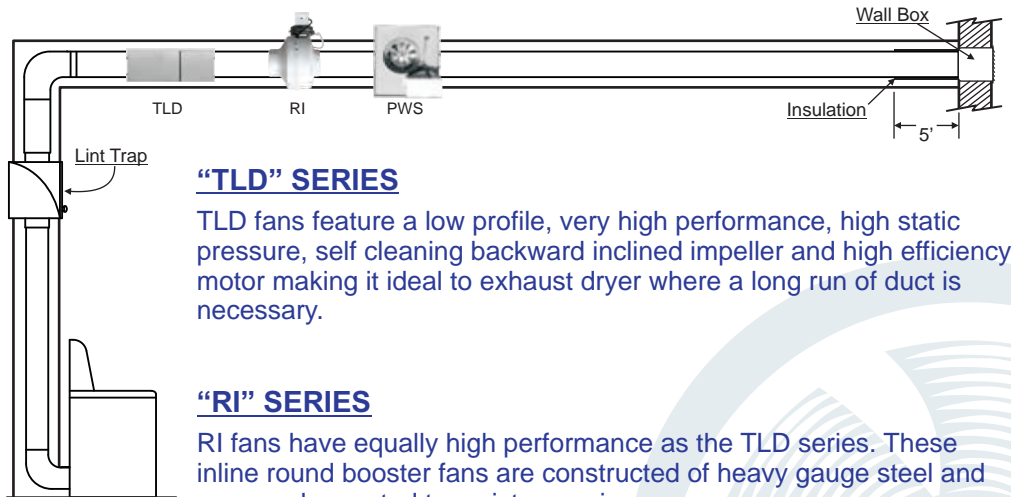
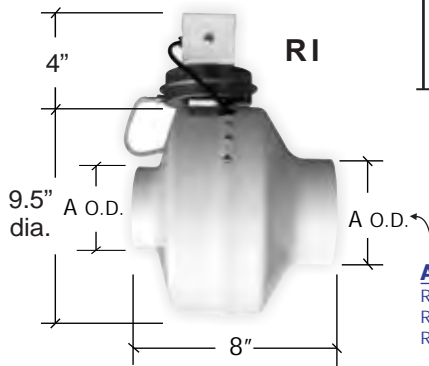
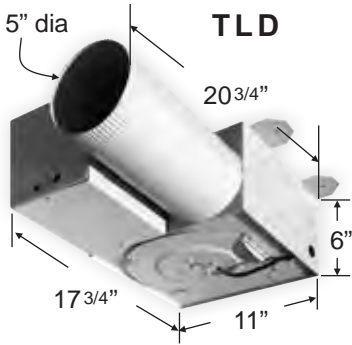
### PWS100, 200 & 300 FAN DATA



### PERFORMANCE CHART

| MODEL  | RPM  | AMPS | S.P. | 0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 |
|--------|------|------|------|------|------|------|------|------|------|------|
| PWS100 | 1550 | 1.2  | CFM  | 189  | 174  | 158  | 140  | 120  | 98   | 74   |
| PWS200 | 1550 | 2.3  |      | 205  | 185  | 171  | 155  | 135  | 108  | 93   |
| PWS300 | 1550 | 3.3  |      | 300  | 284  | 267  | 250  | 231  | 206  | 177  |

# DRYER BOOSTER FANS EQUIPPED w/ PRESSURE SENSOR



## “TLD” SERIES

TLD fans feature a low profile, very high performance, high static pressure, self cleaning backward inclined impeller and high efficiency motor making it ideal to exhaust dryer where a long run of duct is necessary.

## “RI” SERIES

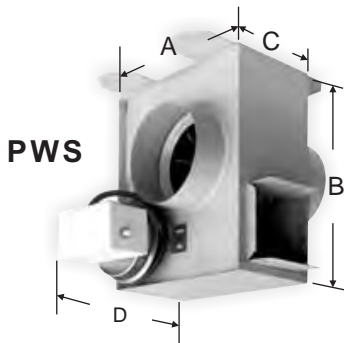
RI fans have equally high performance as the TLD series. These inline round booster fans are constructed of heavy gauge steel and are powder coated to resist corrosion.

**NOTE:** All fans equipped with Pressure Sensor must be installed with sensor mounted vertically or horizontally. **NEVER FACE SENSOR DOWN.**

## “PWS” SERIES

PWS fans are especially designed to exhaust dryers Hi-Rise condominiums and have an aluminum self cleaning paddle wheel impeller for low maintenance. These fans are constructed of heavy gauge satin coat steel to resist corrosion.

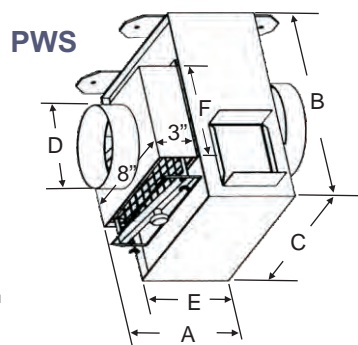
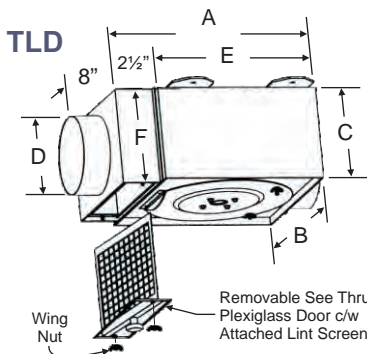
**A.O.D.**  
 RI150 - 3 7/8"  
 RI200 - 4 7/8"  
 RI250 - 5 7/8"



### DIMENSIONS:

| MODEL  | A      | B       | C      | D       |
|--------|--------|---------|--------|---------|
| PWS100 | 9 1/4" | 11"     | 4 1/2" | 11 1/2" |
| PWS200 | 9 1/4" | 11"     | 4 1/2" | 11 1/2" |
| PWS300 | 11"    | 12 3/4" | 5 1/2" | 12 1/2" |

# DRYER BOOSTER FANS w/ BUILT IN LINT TRAP



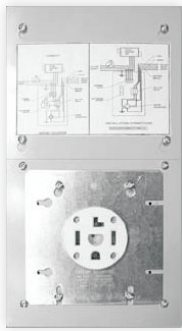
### DIMENSIONS:

| MODEL   | A     | B     | C    | D (dia.) | E     | F  |
|---------|-------|-------|------|----------|-------|----|
| TLD200L | 13"   | 11"   | 6"   | 5"       | 10.5" | 6" |
| TLD300L | 14.5" | 12"   | 8"   | 6"       | 12"   | 7" |
| PWS100L | 6.5"  | 11"   | 9.5" | 5"       | 4.5"  | 6" |
| PWS200L | 6.5"  | 11"   | 9.5" | 6"       | 4.5"  | 7" |
| PWS300L | 7.5"  | 12.5" | 11"  | 7"       | 5.5"  | 8" |

### NOTE:

- Lint trap must be cleaned monthly or as required by removing the two wing nuts and pulling the lint screen door down by the handle.
- Clean fan assembly as required by removing two wing nuts from the main plate and motor will swing open.
- Make sure the motor is unplugged to ensure there is no power to the motor.
- Install fan combination lint trap where it is easily accessible for cleaning

# AUTOMATIC START FOR DRYER BOOSTER FANS



DSC300

## DSC300 (Dryer Starter Control Box)

Dryer Starter Control box DSC300 is a pre-wired unit with dryer plug for easy and simple installation for the electrician. This control works in conjunction with the booster fan. When booster fan is in "ON" it will engage power to the starter control box and only then the dryer can be turned "ON".

### NOTE:

If booster fan for any reason does not work, the dryer can not be turned "ON".

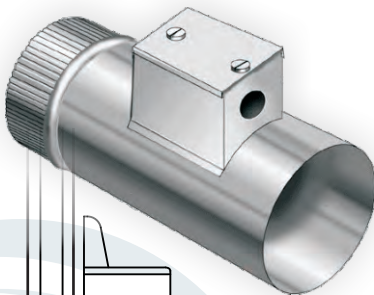


DAS200  
DAS250

## DAS200 & DAS250 (AMP Sensor)

The **DAS200** device senses when a clothes dryer is drawing 1.2 Amp. of current. When this occurs a relay contact closes turning the dryer vent booster fan "ON". When current drops below the 2 Amp. threshold the relay contacts open turning the booster fan "OFF".

The **DAS250** device senses when a clothes dryer is drawing 1.2 Amp. of current and then closes the output switch to activate the dryer vent booster fan. When the dryer cycle is complete and the current drops below the threshold, the output switch will remain closed for 5 minutes to allow heat to be removed from the vent before the switch is opened again.

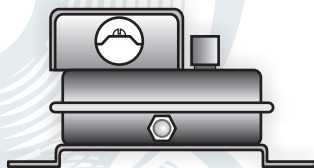


DHB100

## DHB100 (Heat Sensor)

Heat sensor unit is installed in the exhaust pipe of the dryer. During dryer operation, heat is produced allowing the sensor to automatically engage the booster fan.

Heat Sensor



PRESSURE SENSOR

## PRESSURE SENSOR

When a laundry dryer is turned on it quickly produces dynamic air pressure build up in the duct system of which the dryer booster fan is connected to. When the pressure build up within the system is greater than the air pressure switch set point (0.02" - 0.05") the pressure relay closes and the timer cycle is initiated which then completes the electrical circuit and the booster fan starts. The timer cycle relay period is 600 seconds closed and 60 seconds open. If the dryer is on it will continue to produce dynamic pressure in the system and the booster fan will continue to run for additional timer cycles. Once the dryer is turned off it no longer produces dynamic air pressure in the system. When the air pressure within the duct system is less than the switch set point pressure the pressure relay will open. The booster fan will continue to run until the completion of the 600 second closed timer cycle. During the 60 second open timer cycle power is interrupted and the booster fan will slowly come to a stop and remain off until the dryer is turned back on and the system cycle is once again initiated.

\* For more information visit [www.reversomatic.com](http://www.reversomatic.com)