

## MODEL

- KLB - Bypass terminal unit

## APPLICATION

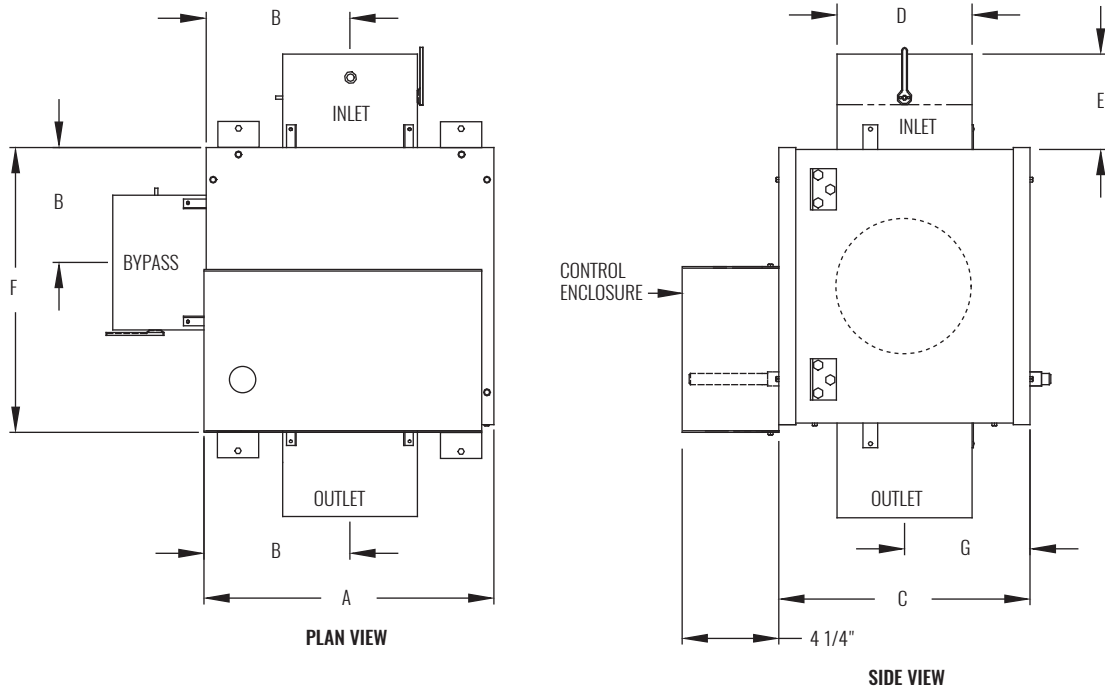
- Designed to maintain occupant comfort by varying the amount of cold air from the constant volume air handler and bypassing the excess cooling air back to the air handler
- Allows the air handler to operate at constant volume, while individual zones benefit from increased control of comfort levels
- Resulted Savings
  - Eliminates the need for variable speed drives on the AHU fan(s)
  - Lower return air temperature allows the air handler to operate more efficiently at reduced cooling demand

## FEATURES

- 20 gauge galvanized steel casing construction
- Round inlet, outlet, and bypass collars to accommodate standard flex duct sizes
- Optional manual dampers are available on inlet, bypass, and outlet connections
- 1/2" thick, 1 1/2 lb. dual density, fiberglass insulation that meets UL 181 and NFPA 90A requirements
- Pressure dependent pneumatic and electric control types are available
- A "no control" unit is also available for field mounting of controls
- Optional hanger brackets
- Optional factory supplied and wired 24 volt control transformer



### DIMENSIONAL DATA



NOTES: (D) dimension is diameter of inlet, bypass, and outlet connections. Unit may be job site rotated 180° to have controls located on the bottom of the unit. See table below for dimensional references.

### PERFORMANCE AND DIMENSIONAL DATA

| SIZE | PERFORMANCE |                      | DIMENSIONS  |         |         |         |         |         |          |
|------|-------------|----------------------|-------------|---------|---------|---------|---------|---------|----------|
|      | INLET       | MAX CFM <sup>1</sup> | NOMINAL CFM | A       | B       | C       | D       | E       | F        |
| 6"   | 500         | 400                  | 12 7/8"     | 7 1/8"  | 11 1/8" | 5 7/8"  | 4 1/4"  | 12 3/8" | 5 9/16"  |
| 8"   | 900         | 700                  | 12 7/8"     | 7 1/8"  | 11 1/8" | 7 7/8"  | 5 1/4"  | 12 3/8" | 5 9/16"  |
| 10"  | 1300        | 1000                 | 14 7/8"     | 8 1/8"  | 13 1/8" | 9 7/8"  | 6 1/4"  | 14 3/8" | 6 9/16"  |
| 12"  | 2000        | 1600                 | 18 7/8"     | 10 1/8" | 17 1/8" | 11 7/8" | 7 1/4"  | 18 3/8" | 8 9/16"  |
| 14"  | 2500        | 2000                 | 18 7/8"     | 10 1/8" | 17 1/8" | 13 7/8" | 8 1/4"  | 18 3/8" | 8 9/16"  |
| 16"  | 3600        | 2700                 | 22 7/8"     | 12 1/8" | 21 1/8" | 15 7/8" | 9 1/4"  | 22 3/8" | 10 9/16" |
| 18"  | 4400        | 3200                 | 22 7/8"     | 12 1/8" | 21 1/8" | 17 7/8" | 10 1/4" | 22 3/8" | 10 9/16" |

NOTES: Information shown is abbreviated. See website for complete information.

<sup>1</sup> Max CFM value is based on a inlet velocity not to exceed 2625 FPM.