



## Specification Sheet

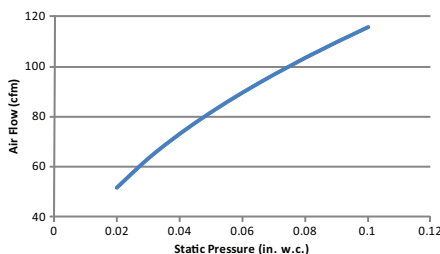
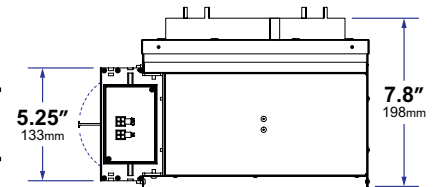
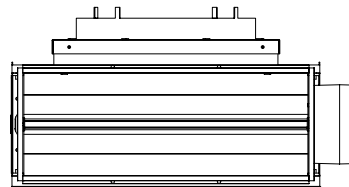
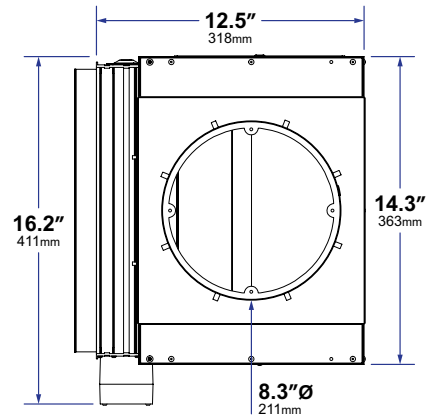
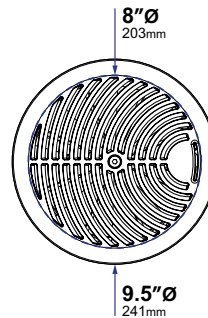
# Élan-08R-180VAV-C Underfloor Air Diffuser Terminal (Variable Volume)

### Description

**Élan-08R-180VAV-C (Personal Comfort Diffuser)** is a variable volume diffuser for use in raised floor air systems. The underfloor terminal features 20 gauge (1mm) galvanized steel construction, pre-painted flat black.

The air valve uses time modulation to vary total air supplied to a conditioned space. Air velocity is constant any time the valve is open; the short time duration between open/close cycles produces the effect of continuous air delivered to the occupied space. It is rated for 24V (18-30VAC) operation; one (1) plug & play cable is included.

The nominal 8" (203mm) diameter cast aluminum diffuser grille produces 180 degree uni-directional mixing air flow. A manually adjustable sliding damper allows space occupants to limit maximum air flow. Ten (10) standard colors are available; custom colors and finishes can be provided to match architectural design (specify on order).



ALL DIMENSIONS NOMINAL +/- 0.1" (2.5mm)

### Specifications

<b>Application:</b>	Underfloor Cooling   Raised Access Floors 8" (203mm) +
<b>Grille Dimensions:</b>	Diffuser Opening: 8"Ø (203mm)   Full Face: 9.5"Ø (241mm)
<b>LxW (Nominal)</b>	Installation Cut-Out: 8.4375"Ø [+1.25/-0.00] (214mm [+3.175/-0.00])
<b>Grille Rating:</b>	Cast Aluminum   Conforms to NFPA 90a   1250 lbs. (567 Kg) Load Strength
<b>Supply Press. / Temp.:</b>	0.02–0.1 in. w.c. (5–25 Pa)   40–120°F (4–49°C)
<b>Capacity:</b>	Maximum: 81cfm @ 0.05 in. w.c. (138 m³/hr @ 12.5 Pa)
<b>(Nominal)</b>	Minimum (Damper Closed): 7 cfm @ 0.05 in. w.c. (12 m³/hr @ 12.5 Pa)
<b>Noise Criterion:</b>	≤ NC-17 (All Flow Conditions)