



DATA SHEET

Underfloor Air Terminal (Constant Volume)

MODEL: **Élan - 08R - 180 - A**

DESCRIPTION:

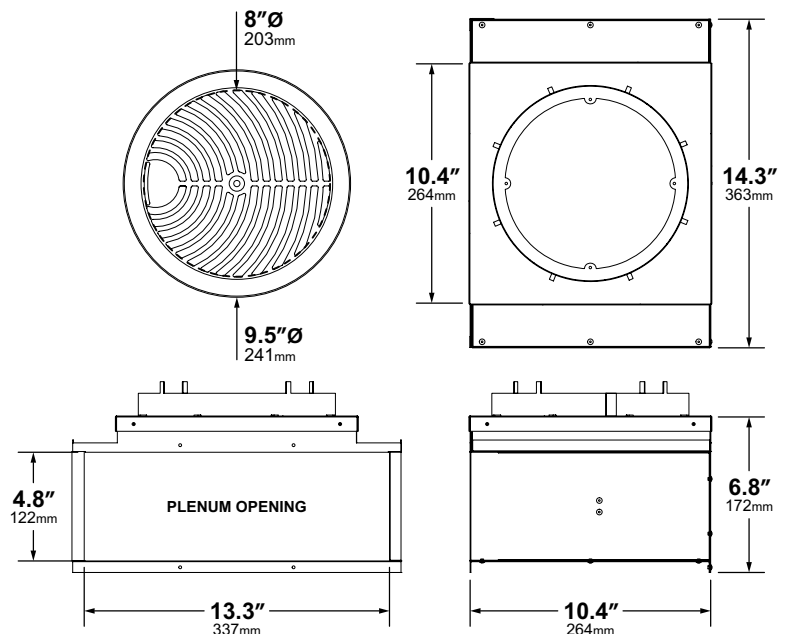
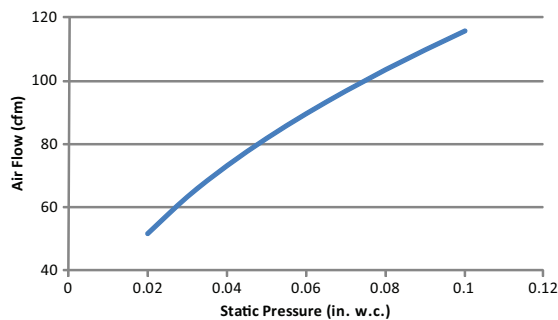
Élan-08R-180-A (Personal Comfort Diffuser) is a constant volume diffuser for use in raised floor air systems. The underfloor terminal features 20 gauge (1mm) galvanized steel construction, pre-painted flat black. A 13.3" x 4.8" (337mm x 122mm) opening permits air flow from the underfloor plenum.

The nominal 8" (203mm) diameter cast aluminum 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 grille colors are available; custom colors and finishes can be provided to match architectural design (specify on order).



FEATURES:

- Ships fully assembled; installation in seconds
- Riveted pre-painted galvanized steel construction
- Manual air flow adjustment with sliding damper
- Redirect air flow direction by rotating grille
- Durability (as strong as the floor)
- Non-binding flow adjustment
- No "clear area" required
- Tight shut-off



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

SPECIFICATIONS:

Application:	Underfloor Cooling Raised Access Floors 8" (203mm) +
Grille Dimensions:	Diffuser Opening: 8"Ø (203mm) Full Face: 9.5"Ø (241mm)
Diameter (Nominal)	Installation Cut-Out: 8.4375"Ø [+1.25/-0.00] (214mm [+3.175/-0.00])
Grille Rating:	Cast Aluminum Conforms to NFPA 90a 1250 lbs. (567 Kg) Load Strength
Supply Press. / Temp.:	0.02–0.1 in. w.c. (5–25 Pa) 40–140°F (4–60°C)
Capacity:	Maximum: 81 cfm @ 0.05 in. w.c. (138 m³/hr @ 12.5 Pa)
(Nominal)	Minimum (Damper Closed): 7 cfm @ 0.05 in. w.c. (12 m³/hr @ 12.5 Pa)
Noise Criterion:	≤ NC-17 (All Flow Conditions)