

THIS SHEET HAS BEEN
REPLACED

INTEGRATED ACTIVE NOISE CONTROL SYSTEM
FOR AIR HANDLING UNIT

Abstract

The internal fan arrangement of an air handling unit is reconfigured by discharging directly from the scroll (12-1) into a 90° elbow (42). The bend (42-3) of the elbow defines a converging section terminating in a throat (42-4) which leads to a diverging section. Additionally, an active noise control structure is located in the elbow with the noise sensing microphones (16) being located at or near the fan outlet.

Figure 5

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