

METALAIRE™

Series 5500DD – Specification

Supply Square and Rectangular Louvered Face - Aluminum/Series 5500DD (DDI)

Insulated Non-Insulated

5500DDI-6 - T-bar Lay-in 5500DD-6 - T-bar Lay-in

5500DDI-9 - Donn Fineline 5500DD-9 - Donn Fineline

Air Outlets shall be model 5500DDI (insulated) or 5500DD (non-insulated) manufactured by METALAIRE. Units shall be square face ceiling supply diffusers and shall have a factory attached back. Back pan must be of sufficient height to allow center tile (by the ceiling system manufacturer) to be installed from the diffuser face without disassembling the face from the back pan. Devices without back pan attached to the diffuser face will not be allowed.

The units shall be the size and quantity as outline in the plans and specifications.

Diffuser shall be one through four slots. The diffuser shall be designed to integrate with the ceiling type. It shall have horizontal deflection surfaces on the fixed pattern control blades which provide a horizontal ceiling pattern with a twenty degree cooling temperature differential at twenty percent of design volume.

Return Square and Rectangular Louvered Face - Aluminum/Series 5500 DDR

Non-Insulated

5500 DDR-6 - T-bar Lay-in

5500 DDR-9 - Donn Fineline

Air Inlets shall be model 5500DD manufactured by METALAIRE. Units shall be square face ceiling return or exhaust diffusers and shall have a factory attached light shield. Light shield must be of sufficient height to allow center tile (by the ceiling system manufacturer) to be installed from the diffuser face without disassembling the face from the back pan. Devices without light shield attached to the diffuser face will not be allowed. The units shall be the size and quantity as outline in the plans and specifications. Diffuser shall be one through four slots. The diffuser shall be designed to integrate with the ceiling type. Face shall have fixed louvers designed to match the appearance of the supply unit.

Round Neck Optional Dampers and Accessories

Butterfly Damper

METALAIRE model BDS aluminum round butterfly type dampers shall be provided. Damper shall consist of two butterfly style blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

Radial Shutter Damper

METALAIRE model RSD steel round radial shutter damper shall be provided. Damper shall consist of gang operated radial blades that slide perpendicular

to air flow direction. The damper shall be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

Opposed Blade Damper

METALAIRE model D3 aluminum or SD3 Steel round opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

Equalizing Grid

METALAIRE model G3 aluminum round equalizing grid shall be provided. Equalizing grid shall consist of 1/2" x 1/2" x 1/2" aluminum cubed core mounting in an aluminum frame.

Performance Specification

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70-2006.