



COMMERCIAL & INDUSTRIAL HVAC EQUIPMENT

Engineered Solutions

APPLICATION: *INDUSTRIAL HEATING (Pump Station)*

EQUIPMENT: *ELECTRIC COIL (Open coil)*

Unique Features & Benefits:

- High and Low Speed Modes
- 2" Construction with Lined Interior
- Single Point Power Connection
- Supply Fan VFD
- Room Control
- Vibration Isolation

Model: TAH-112 FC EL OA HRH 2SPD



Equipment Specifications:

Supply CFM: 3,400 CFM

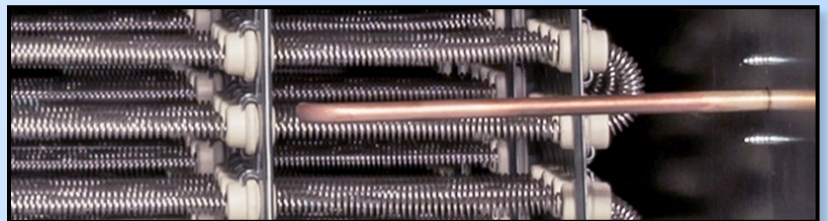
Temp Rise: 83° F (90 KW, 109 Amps)

Electric coil HVAC equipment is an optimal solution in locations where utilities such as natural gas are unavailable, and/or a "clean" heating source is required that would not result in "byproducts of combustion" entering the space being heated.

This air make-up unit features a supply VFD allowing for two speed operation. The low speed mode was set for 85% of maximum airflow. Neoprene blower/motor isolation was utilized to reduce noise while in operation. Extended grease lines aid in easy maintenance.

This unit was equipped with room control via the Carel DDC and Vernier SCR controls, with the high speed mode programmed to become active when the space reached 80°.

Other unique equipment features include an exhaust fan interlock contact and L50 200,000 hour pillow block bearings, and an inlet ductstat which turns off the heating if warm outside air is detected. A low temperature safety function will shut off the unit if the electric coil fails to operate and would result in cold air entering the space.



Detail of "open coil" electrical coils. Compared to "finned tubular" these coils feature a lower pressure drop, lighter weight, and a more rapid thermal response.

They are also more economical than finned tubular coils, making them an optimal solution in applications where water spray or conductive particle contamination are not an issue.

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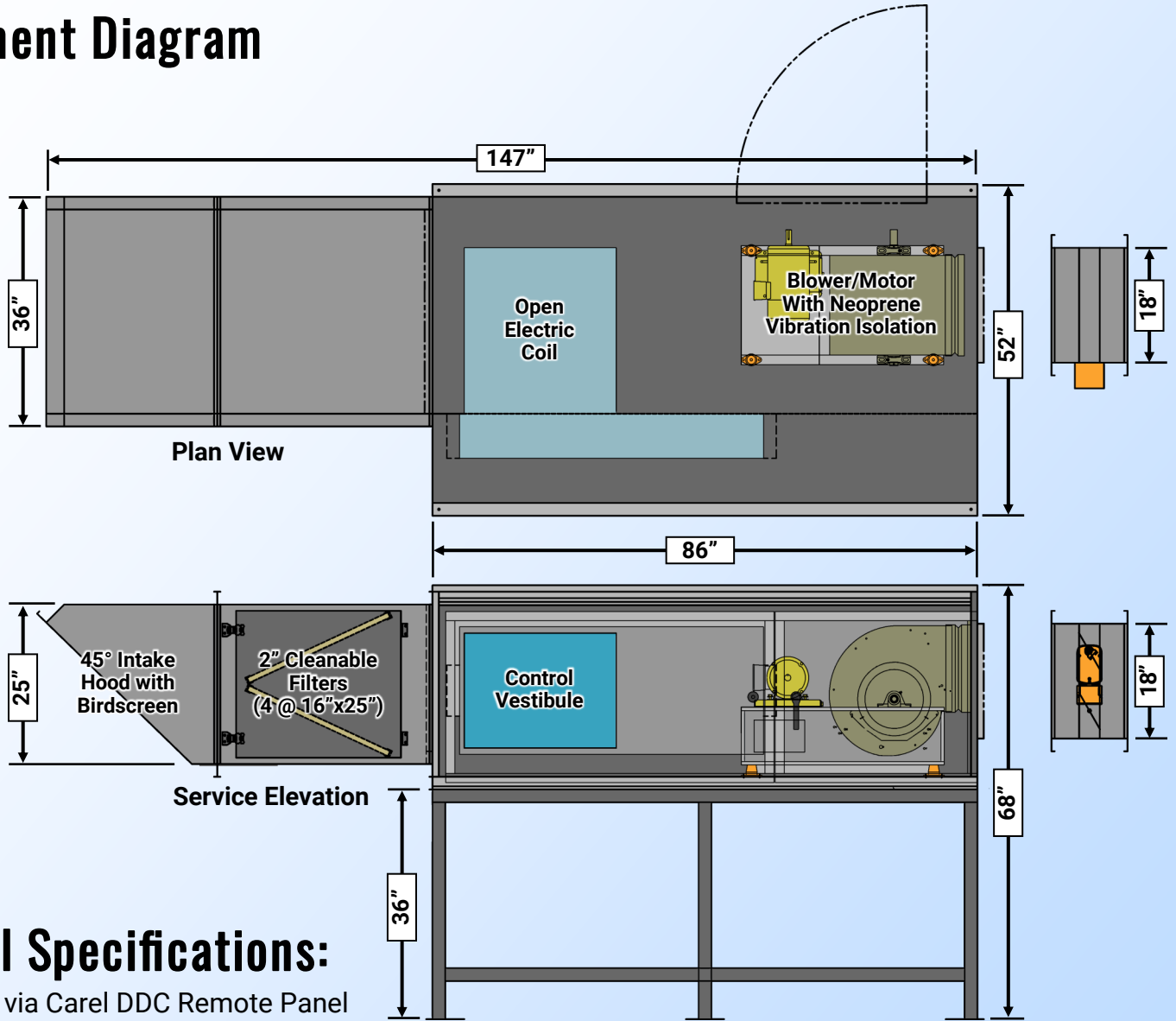
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TITAN AIR LLLP

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Equipment Diagram



Control Specifications:

- Control via Carel DDC Remote Panel



Detail of unit Intake, with electric coil visible.

**Titan Air LLLP
 Product Lines:**

Direct-Fired
 Indirect-Fired
 Electric Coil

Air Turnover
 Energy Recovery
 Steam / Hot Water Coil

Chilled Water Coil
 Custom Controls
 Unit Accessories

Split & Packaged DX Cooling
 Direct Evaporative Cooling
 Dehumidification/Reheat Units