



COMMERCIAL & INDUSTRIAL HVAC EQUIPMENT

# Engineered Solutions

APPLICATION: *MAKEUP AIR - Train Railyard*

EQUIPMENT: *DIRECT FIRED*

### Unique Features & Benefits:

- Vertical Configuration featuring TOP INTAKE with BOTTOM DISCHARGE
- Two Speed Operation By High/Low Control Switch

## MODEL: TA-120 NG VRDV 2 SPD

### Equipment Specifications:

Supply CFM: 14,000 CFM

Temp Rise: 100° F

A large majority of mainline HVAC manufacturers only offer their VERTICALLY oriented makeup air units with an upward facing discharge, and intake air taken in from the bottom of the unit.

This VRDV unit features an upward facing intake (this unit specified with mushroom hood), and a downward facing discharge.

As Titan specializes in unique, one-of-a-kind HVAC units, the orientation requirements of this jobsite condition were easily met by Titan with this VRDV configuration. An 18" tall equipment stand and intake mushroom hood were also provided by Titan, providing a turn-key solution for the project's HVAC general contractor/installer.

A VFD (Variable Frequency Drive) allowed two-speed operation (14,000 & 7,000 CFM) via a High/Low speed switch. Control relays were utilized to control on-site exhaust fans by energizing once airflow is proven.

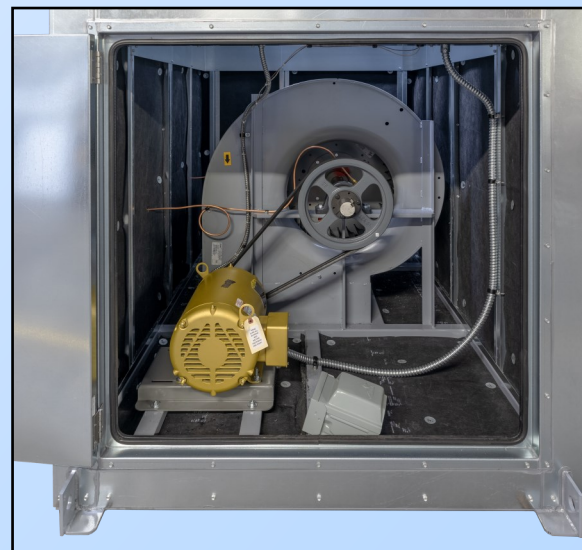
The discharge heating controls also featured many options commonly employed in Titan Air HVAC units including operating lights and a low temperature safety control. Extended grease lines were installed to aid in the periodic maintenance procedure.



Service View



Back View

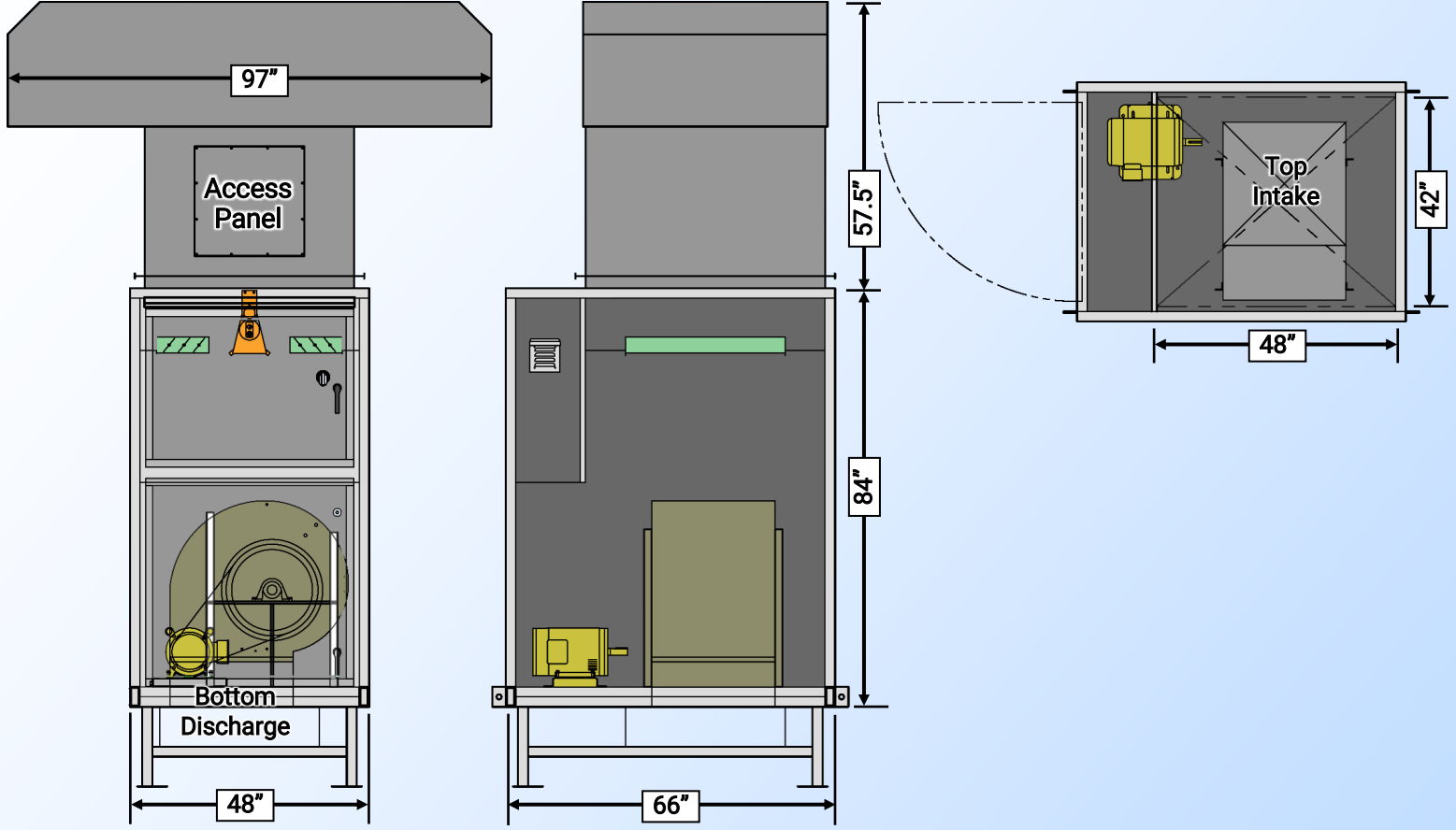




TITAN AIR LLLP

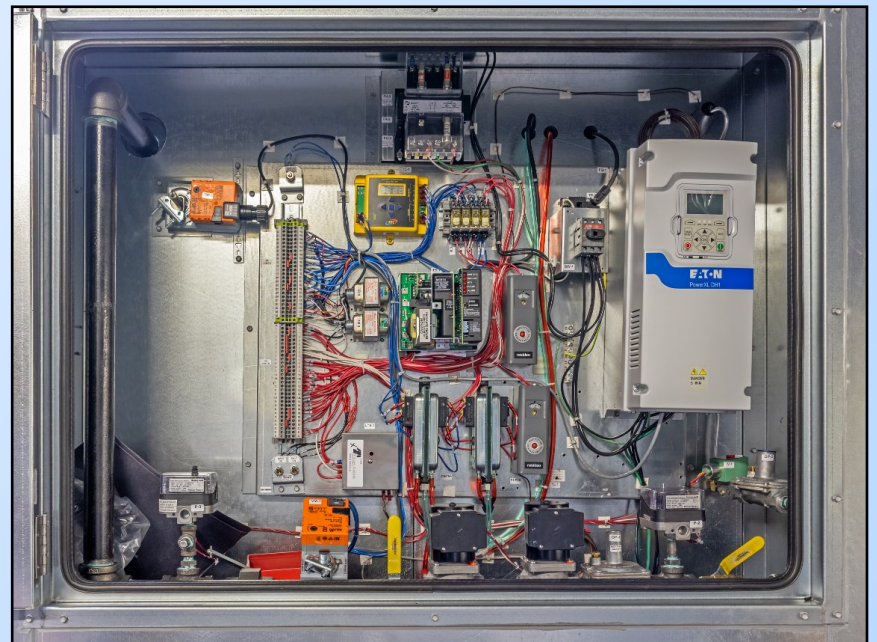
www.titan-air.com phone: 715.597.2050

# Equipment Diagram



## Technical Specifications:

- GFI Outlet: External Unit Mounted
- Extended Grease Lines
- G-90 Mushroom Hood
- 18" Stand, Exterior Mounted Unit
- Discharge Control **Seen Below** (RTC DFC)



**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