

Rear View for Optional Various Input & Output Options



- 1 Access Panels for Circuit Breakers and/or Visual Disconnects
- 2 Motor Output and VFD AC Input Quick Disconnects

Solutions:

- **VFD Power Unit:** A VFD and Control Package installed to manage and control AC induction motors within the following applications.
 - Conveyors
 - Fans
 - Pumps
 - Vibratory Feeders
 - Dewatering Screens
 - Screw Conveyors
- **Main Control Panel:** Supplied as part of an integrated package or supplied separately.
 - The skid provides a rugged, feature-rich, high value solution for applications in harsh environments.
 - Package as:
 - Single
 - Dual
 - Triple
 - Quad
- **Electric Winch VFD Power Unit:**
 - Designed specifically for electric constant tension winches for providing industry best take-up control.
 - Suitable for Integration with Dynamic Breaking Systems.

Product Options:

1. Optional Integrated or External PLC Control.
2. 50 to 300 HD HP VFDs
 - Single, Dual, Triple or Quad with PLC controls
3. 350 to 750 HD HP VFDs
 - Single, Dual or Triple with External PLC Controls
4. 750 to 1000 HD HP VFDs
 - Single with External PLC Controls
5. Constant Tension Winches from 50 to 300HP
6. Regenerative VFDs are available up to 1000 HP
7. 460 or 575VAC available for all VFDs

Onsite and Remote Services Available:

- Commissioning
- Start-up
- Technical Service
- Budget Development

Proven Engineered Products – Complete Material Handling Solutions

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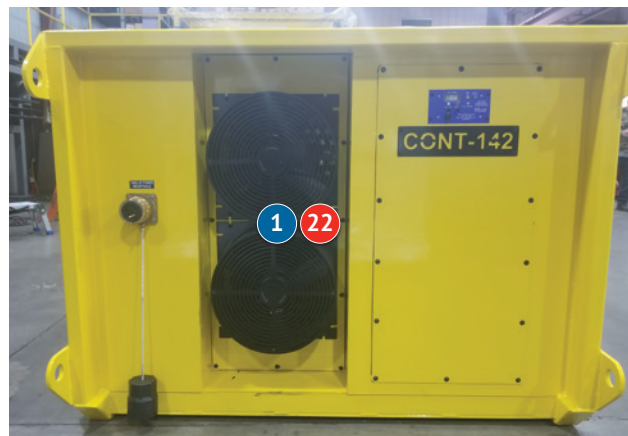
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Electrical Drive and Control Solutions



● = Input ● = Output

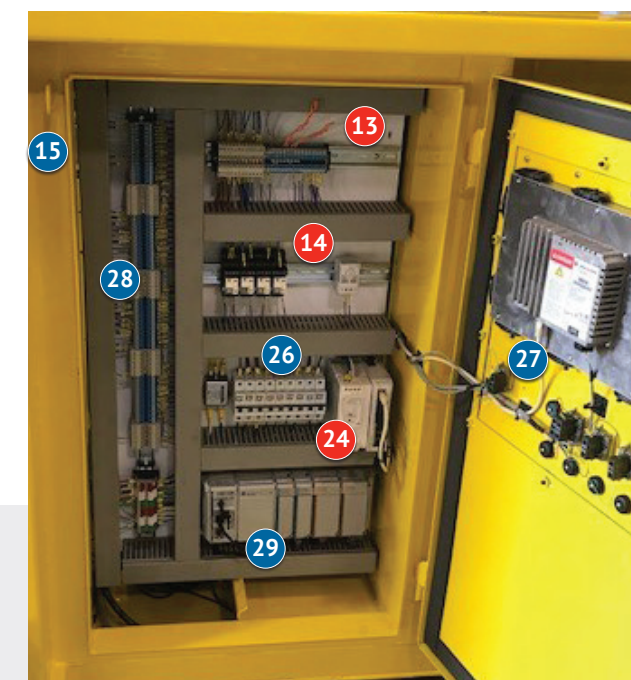
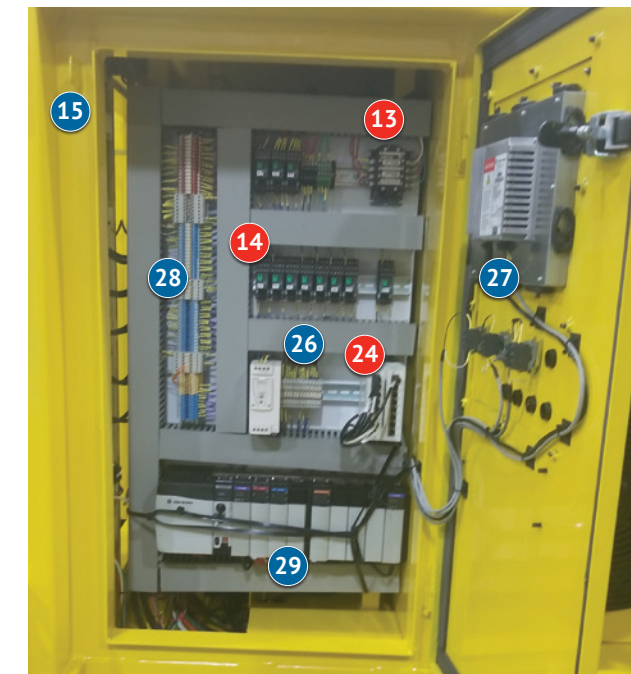


- 1 Ambient Air Intake to the External Air to Internal Air Heat Exchanger
- 2 115 Vac Control Transformer
- 3 Access Panels for Optional Input & Output 3% Reactors
- 4 Motor Terminals & Input Circuit Breaker
- 5 Lockable Input Circuit Breaker Handle

Inside a Quad Skid



- 6 Safeties Quick Disconnect Plugs
- 7 Ethernet Port
- 8 GFI 115vac Receptacle
- 9 AC Input Power Indicator
- 10 DC Buss Power Indicator
- 11 Quick and Easy Access Pull Out Trays to Service VFDs
- 12 460 vac Circuit Breaker for 115vac Control Transformer
- 13 115vac Terminal Strip
- 14 I/O Interposing Relays
- 15 I/O Access Plugs
- 16 Optional 10 Pin and 16 Pin Connectors to Interface with Winch Skid
- 17 VFD Ethernet to PLC
- 18 Master Follower Fiber VFD to VFD
- 19 Duplex GFI 115vac Outlet
- 20 VFD 1, 2, 3 and Wired for 4
- 21 Internal Squirrel Cage Air to Air Fan Assembly
- 22 Syntron Air to Air Heat Exchanger AC Motor Starters/Overloads
- 23 Duplex GFI 115vac Outlet
- 24 Ether Network and 115vac Computer Receptacle



- 25 Optional Power Contactors for Warning Devices and Motor Blowers
- 26 24vdc Power Supply Ethernet Switch and Control CBs
- 27 MMI PanelView Size - Optional
- 28 External I/O Wiring
- 29 PLC Processor and I/O Version is Optional