



VSD—4 Series

Variable Speed Drives

Motor Controls VSD series of a package variable speed drive panel using the *Danfoss VLT Aqua drive*.® The VSD-4 series panel an industry first VFD in a NEMA 4 enclosure with Heat Guard powder coat finish.



FEATURES

- **UL LISTED** as Service Entrance Equipment
- Wide Range of Voltage Inputs
 - 480— 342-528
 - 230— 180-264
- 1000 Ft Motor Cable Length—No Load Reactors
- Dual 3 1/2% DC Input Line Reactors

VARI-SMART Pump Control

- Constant Pressure with Variable Flow
- Well Draw Down & Pump Off Control
- Operate Pump at BEP
- Empty Pipe Fill Mode
- Dry Pump Detection
- Automatic Energy Optimization
- End of Pump Curve Detection
- Auto Tuning
- Multiple Pivots



Optional

6 YEAR Warranty
Including
lightning strikes





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FEATURES

- UL listed and suitable for use as service equipment
- NEMA type 4 steel enclosure (optional 304 /316 SS)
 - Heat Guard solar white powder coating finish
 - Heat Sink Extended through rear of enclosure eliminates any extra cooling methods.
 - Full foam in place gasket hinged door with provision for a padlock
 - Keypad sun shield with provision for a padlock
 - 122 °F(50°C) outside temperature , non direct sunlight
- Heavy duty flange fusible
- High Speed J Class Drive Fuses for Type 2 Protection
- TYPE 1 Surge Arrestor w/status indications
- **Danfoss VLT Aqua Drive®**
 - Thermal protection of the drive & motor with short circuit protection.
 - Conformal Coated PCBs
 - Input DC-Link Reactors
 - Eliminate need for AC Line Reactors
 - Minimize Harmonic Distortion
 - Maximize Power Factor
 - Motor Winding PreHeat
 - Motor Thermistor Monitoring
 - Graphical Display

