

AD Process Supply

Fluid, Air & Gas Handling Process Equipment

chemical • petrochemical • industrial • manufacturing • refrigeration • oil & gas • food & beverage • utility

VFD INQUIRY FORM

The following Variable Frequency Drive (VFD) Inquiry Form includes most of the questions that should be answered before selecting a drive for a specific application. Please complete as much of this form as possible and enter N/A in areas that you can't provide a response. Please fax the completed form to (905) 342-2485. You will receive an email confirming receipt of your inquiry within 24hrs.

Use one VFD Inquiry Form for each application. Drive selection does not require a response to every question contained within this inquiry form as some of the questions do not apply to every application, but are designed to help identify specific requirements that may apply to your particular application.

* Minimum Information Required for Processing

First Name*:	Last Name*:
Direct Telephone*:	Email*:
Fax*:	Title*:
Job Function* (please circle):	Administration, Engineering, Maintenance, Production, Purchasing
Company Type* (please circle):	Consulting Engineer, Contractor, Reseller, Manufacturing, Municipal, OEM, Other-specify
Company Name*:	City*:
Address 1*:	Province*:
Address 2*:	Postal Code*:
Company Tel.*:	
Company Industry* (please circle):	Automotive, Chemical, Energy, Food & Beverage, Gas, Liquefied Gas, Mining, Nuclear, Petrochemical, Pharmaceutical, Power Generation, Primary Metal, Process Cooling, Pulp & Paper, Refrigeration, Rubber/Plastics, Textiles, Transportation, Utility, Water & Wastewater Treatment, Other-specify

Application Information:

Project / Item Identification:	
Application Description (Pump, Fan, Other):	
Load Type (Constant Torque, Variable Torque, Other):	
Breakaway Torque (Lb-Ft, Newton-Meters, or % Full Load):	
Acceleration Time (Seconds):	
Deceleration Time (Seconds):	
Inertia (Lb-Ft ² or other Identifiable Units):	
Stopping Requirements (Coast to Rest, Ramp Stop, Dynamic or Regen Braking):	
Braking Requirements (Lb-Ft, Newton-Meters, or % Full Load):	
Braking Time/Duty Cycle (Continuous Seconds On, % Duty Cycle):	
Additional Comments:	

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Environment:

Installation Location (City, Province):	
Elevation - Above Sea Level (Feet or Meters):	
Controller & Motor Location (Indoor, Outdoor, Sun, Shade):	
Controller/Motor Location Maximum Temperatures (°C or °F):	
Controller/Motor Location Minimum Temperatures (°C or °F):	
Additional Comments:	

AC Power System Information:

Supply Source (Utility, Generator, Both, Other):	
Transformer KVA (KVA):	
Configuration (Wye, Delta, Grounded Neutral, Ungrounded System):	
Voltage VAC (208, 240, 380, 400, 415, 480, 600, Other):	
Frequency (Hz):	
Fault Current (Amperes):	
Additional Comments:	

AC Drive Requirements:

Horsepower (Hp):	
Overload Requirements:	
Continuous Overload (Percent of Full Load):	
60 Second Overload (Percent of Full Load):	
Other Overload:	
Control Type (V/Hz, Open Loop Vector, Closed Loop Vector):	
Percent Speed Regulation (Percent (of Maximum Speed):	
Input Rectifier Circuit (6 Pulse - Standard, 12 and 18 Pulse – Optional):	
Enclosure Type (Chassis, Nema 1, Nema 12, Nema 3R, Nema 4, Nema 4X, Ventilated, Non-Ventilated, Wall Mount, Floor Mount, Floor Mount with Feet, Air Conditioned, Other):	
Maximum Enclosure Size (H x W x D – Inches or mm):	
Ambient Temperature °C or °F (Minimum & Maximum):	
AC Power Distribution Options:	
Input Protection (None, Input Disconnect, Input Circuit Breaker):	
Bypass (None, Manual Bypass, Automatic Bypass):	
DC Link Reactor (No, Yes – 3%):	
AC Line Reactor (No, Yes – 3% or 5%, Inside Drive Enclosure or External Mount):	
Output Reactor (No, Yes – 3% or 5%, Inside Drive Enclosure or External Mount):	
Long Lead Filter (Specify Distance to Motor in Feet):	
Inputs:	
Digital (Quantity, Voltage Level, Type):	
Analog (Quantity, 0 to +/- 10 Volts and / or 4 to 20 ma):	
Outputs:	
Digital (Quantity, Voltage Level, Max Current, Type):	
Analog (Quantity, 0 to +/- 10 Volts and / or 4 to 20 ma):	
Communications Options (None, RS-232/422/485, Modbus, DeviceNet, Profibus, Ethernet, Metasys, Other):	
Door Mounted Keypad (Standard with 2 Line, 32 Character Digital Readout, Start & Stop Keys, Speed Increase & Decrease Keys, Forward/Reverse Key, Miscellaneous Indicators):	
Additional Metering Devices (Voltmeter, Ammeter, Others - Digital or Analog Type):	

Additional Operators (Start & Stop Pushbuttons, Speed Pot, Auto/Manual and/or Local/Remote Selector Switch, Other Devices):	
Miscellaneous Options:	
AC Blower Motor Starter (Yes, No, Blower Motor Volts, 1/3 Phase, FL Amps):	
Space Heater (Yes, No, External or Internal Source Voltage):	
Brake Control (AC or DC Coil, Voltage and Current Rating):	
Certifications (None, UL, cUL, CE, CSA Other):	
Testing (Certified Test Reports, Factory Witness Test, Other Tests):	
Other Special Requirements:	

AC Motor Information:

New or Existing	
Supplied By (specify source and manufacturer):	
Horsepower (Hp):	
Voltage (200, 230, 380, 400, 460 or 575 Volts, Other)	
Full Load Amperes:	
Full Load RPM	
Frequency (50 Hz, 60 Hz, Other):	
Inverter Grade Insulation (Yes, No):	
Minimum Speed (RPM):	
Maximum Speed (RPM):	
Load Characteristics (Constant Torque, Variable Torque, Other):	
Low Speed Operation RPM (Lowest Continuous Operating Speed):	
Enclosure Type (ODP, TEFC, TENV, TEBC, Other):	
NEMA Type (A, B, C, D, Other):	
Blower Cooled (Yes, No, Blower Motor Volts, 1/3 Phase, FL Amps):	
Encoder (Yes, No, PPR, Volts):	
Distance From VFD (Feet or Meters)	
Other Accessories (Thermostat, Stator RTD's, Bearing RTD's):	
Space Heater, Brakes, Other):	

Input AC Line Harmonic Requirements:

Must Meet IEEE-519-1992 (Yes, No):	
System Type (Special, General, Dedicated):	
Point of Common Coupling (Distribution Transformer Primary, Secondary, Other):	
Distribution Transformer:	
KVA:	
Impedance (Percent)	
Short Circuit Current (Amperes):	
Additional Linear Load (Horsepower or Kilowatts):	
Additional Non-Linear Load (Horsepower or Kilowatts and Type):	
Phase Shift Transformer (Required For 12 or 18 Pulse Rectifiers – Furnished By):	
Located Inside Drive Enclosure or Externally Mounted	

Services:

On Site Start-Up Service (Location, Number of Days, Approximate Dates):	
On Site Training (Location, Number of Days, Approximate Dates):	
Other Services:	
Other Requirements:	