

202 Variable Frequency Drive New Equipment & Construction

VFD Installation Information Form

Equipment Information

Item ID reference number found in the Incentive worksheet table: _____
 Fan or Pump ID(s) _____ (Example: FW-1, Feedwater Pump #1; CW-1, Condenser Water Pump #1)
 VFD Application: _____ (Use list of applications from page one, or describe other)
 Building Type: _____ (Office, Hotel/Motel, Healthcare, Elementary/High School, College/University, Warehouse, Restaurant, Manufacturing, Other?)
 Type of area(s) served by fan(s) or pump(s): _____
 Equipment served by the fan (s) or pump (s): _____
 If fan, note type: _____ (centrifugal, forward curve, backward curve, axial, etc)
 Fan or Pump Nominal HP _____ (if multiple motors, list individual HP's) Nameplate motor efficiency(s)
 Fan or Pump Manufacturer: _____ Model: _____
 Full Load Design Conditions: Flow _____ (CFM, GPM) Pressure _____ (inches static, feet of water, PSI, other?)
 Existing Controls: _____ (discharge damper, inlet guide vanes, outlet control valve, bypass valve, etc.)
 Existing setpoint: _____ (inches static, feet of water, PSI, other ?)

Operating Hours

The fan or pump operates the following hours: (Example: 0600 to 1800)

Summer	Weekdays _____ to _____	Weekdays _____ to _____	Winter	Weekdays _____ to _____
	Saturdays _____ to _____	Saturdays _____ to _____		Saturdays _____ to _____
	Sundays _____ to _____	Sundays _____ to _____		Sundays _____ to _____

Number of shifts per weekday: _____ Number of shifts per weekend day: _____

Motor Load

Option 1: (retrofit): Measured input power under full load: _____ kW, (true RMS power) _____ Power Factor

Option 2: (retrofit): Measured current and voltage under full load: _____ Amps _____ Volts

Load calculation = _____ volts X _____ amps X _____ PF = _____ kW

Option 3: (retrofit or new): Estimated Fan or Pump Load: _____ %, Estimated Power _____ kW

If estimating load, provide description, assumptions and formula used to calculate power: _____

Proposed Operations

The proposed VFD will be automatically controlled to maintain the following setpoints:

Flow _____ (CFM, GPM, other?) Pressure _____ (inches static, feet of water, PSI, other?)

Other ? (describe): _____

Estimated VFD speed in future operations

% Load	Summer		Winter	
	Week-day	Week-end	Week-day	Week-end
90% to 100%				
80% to 90%				
60% to 80%				
20% to 60%				
Off				
Totals	100%	100%	100%	100%