

Job Number: 2020583  
Project Name: Vanderbilt GC

Model Number : VTV-1-75x4/5ST-460-3-3200-110  
Salesperson: Greg Salisbury

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Order Date : 10/30/2020      Ship Date : 1/21/2021      Apps Engineer : Chandler Blaschka

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Station Type : Vertical Turbine	Site Voltage : 460VAC/3Phase/60hz
Configuration : N/A	Power Configuration : WYE 3PH 4 Wire
Prime System : N/A	SCCR Rating : 35 kA
Dynamic Inlet PSI : N/A	FCC Type : B
Feet of Lift : N/A	Station Location : Inside - Weather Resistant Building
Discharge PSI : 110	Site Elevation : 5
Total Flow : 3200	Regulatory Compliance : UL Listed - Packaged Pumping Station
Station Color : WT Green	Wet Well Depth : See CSO
Elec. Encl. Location : Off Skid	Flow Meter Location : Off Skid

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Sold To

Customer PO : 11052	City : Shelbyville
Company Name : Pro Pump & Controls	State : Kentucky
Address 1 : 610 Old Mount Eden Rd	Zip : 40065
Address 2 :	Country : United States

Sold To Contact

First Name : Scott	Phone Number :
Last Name : Hoppe	Fax Number :
Mobile Number : (678) 662-7222	Email Address : <a href="mailto:shoppe@propumpservice.com">shoppe@propumpservice.com</a>

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Invoice Price Information

Invoice Price : \$197,366	Refer to WT Change Order :
Muiltiplier :	Term of Sale : 25% Deposit
Corrected Price :	Special Terms Approved by :

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Ship To

Company Name : Vanderbilt Country Club	City : Naples
Address 1 : 8250 Danbury Blvd	State : Florida
Address 2 :	Zip : 34120
	Country : United States

Ship To Contact

First Name : Scott	Phone Number :
Last Name : Hoppe	Fax Number :
Mobile Number : (678) 662-7222	Email Address : <a href="mailto:shoppe@propumpservice.com">shoppe@propumpservice.com</a>

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Shipment Details

24 Hour Advance Notice : Yes	Notification of Shipment : All
Carrier : FOB Hartland - WT Selects Carrier	Other :
Services Included in Total Price :	Arrival Confirmation Notes :
Installation Service Type : None	Station Weight :

Comments

Mechanical Engineer: Bob Surdyk      Controls Engineer: Cory Wolgast      Electrical Engineer: Sandy McElhinny

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### Skid Construction

Skid Construction : Formed Steel 8-3/8"	Coating for Skid : Painting
Fit in Shipping Container : No	Skid Color : Same as Station
Skid Construction Details :	Describe Special Coating Under Skid :
Lifting Points : 8	Leveling Kit : 1

### Comments

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### Pump / Manifold / Piping

Piping Material : Mild Steel	Station Iso Butterfly Valve Size (in) : 10
Pipe Coating : FBE Internal - Paint External	Station Iso Butterfly Valve Style : Lug Style
Pipe Coating Application : Internal Only - FBE	Station Butterfly Valve Operator : Gear Wheel
Pipe Color (Exterior) : Same as Station	Flow Meter Type : Mag Meter (Growsmart)
Injection Taps Per Zone : 3-3/4"	PRV Size (in) : 6
Pressure Relieve Valve Type : Flanged Angle	System Relief Piped To : Wet Well
Wet Well to Sub Motor : 6 IN	Column Material of Construction : Mild Steel
Wet Well to VT Basket : 12 IN	

### Comments

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### Station Enclosure - None

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### Drop Pipes - None

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### Pumps

#### Sustain Pump

##### Pump Specification

Watertronics Part Number : 46-09-4009  
Manufacturer : Goulds  
Manufacturer Model Number : 65GS50  
Pump Type : Sub  
Efficiency : 64%  
TDH : 280FT  
Flow : 45GPM  
TPL : 195.375"  
Stages : 16  
RPM : 3600  
Discharge Size : 2IN  
Impeller Trim :  
Check Valve Above Skid : Yes  
Comments : Pump Column is 304SS

##### Motor Specificaiton

Watertronics Part Number : 48-31-0504  
Manufacturer : Franklin  
Manufacturer Model Number : 2343278802G  
Horse Power : 5  
Efficiency : 84%  
Enclosure : Submersible  
Frame : NEMA-4  
Motor FLA : 8  
Coupling Type :  
Motor Coupling Size :  
Winding Heaters : No  
Motor Temp Switch : No  
Vibration Sensor : No

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## Pumps

Motor Efficiency for All Motors : Premium

Motor Elevation Derate : N/A

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### Main Pump (#1)

Temperature Sensor at Intake : N/A

#### Pump Specification

Watertronics Part Number : NP-11-2831  
Manufacturer : Integrity  
Manufacturer Model Number : 12ILL  
Pump Type : VT  
Efficiency : 85.2%  
TDH : 280 FT  
Flow : 800GPM  
TPL : 189.375"  
Stages : 4  
RPM : 1800  
Discharge Size : 6IN  
Impeller Trim :  
Comments :

#### Motor Specification

Watertronics Part Number :  
Manufacturer : Nidec  
Manufacturer Model Number : HO75V2SLG / DT96  
Horse Power : 75  
Efficiency : 95%  
Enclosure : WP1  
Frame : 365TP  
Motor FLA : 87  
Coupling Type : Self-Release Coupling  
Motor Coupling Size : 1-1/4"  
Winding Heaters : Yes  
Motor Temp Switch : No  
Vibration Sensor : No

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### Main Pump (#2)

Temperature Sensor at Intake : N/A

#### Pump Specification

Watertronics Part Number : NP-11-2831  
Manufacturer : Integrity  
Manufacturer Model Number : 12ILL  
Pump Type : VT  
Efficiency : 85.2%  
TDH : 280 FT  
Flow : 800GPM  
TPL : 189.375"  
Stages : 4  
RPM : 1800  
Discharge Size : 6IN  
Impeller Trim :  
Comments :

#### Motor Specification

Watertronics Part Number :  
Manufacturer : Nidec  
Manufacturer Model Number : HO75V2SLG / DT96  
Horse Power : 75  
Efficiency : 95%  
Enclosure : WP1  
Frame : 365TP  
Motor FLA : 87  
Coupling Type : Self-Release Coupling  
Motor Coupling Size : 1-1/4"  
Winding Heaters : Yes  
Motor Temp Switch : No  
Vibration Sensor : No

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### Main Pump (#3)

Temperature Sensor at Intake : N/A

#### Pump Specification

Watertronics Part Number : NP-11-2831  
Manufacturer : Integrity  
Manufacturer Model Number : 12ILL  
Pump Type : VT  
Efficiency : 85.2%  
TDH : 280 FT  
Flow : 800GPM  
TPL : 189.375"  
Stages : 4  
RPM : 1800  
Discharge Size : 6IN  
Impeller Trim :  
Comments :

#### Motor Specification

Watertronics Part Number :  
Manufacturer : Nidec  
Manufacturer Model Number : HO75V2SLG / DT96  
Horse Power : 75  
Efficiency : 95%  
Enclosure : WP1  
Frame : 365TP  
Motor FLA : 87  
Coupling Type : Self-Release Coupling  
Motor Coupling Size : 1-1/4"  
Winding Heaters : Yes  
Motor Temp Switch : No  
Vibration Sensor : No

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### Main Pump (#4)

Temperature Sensor at Intake : N/A

#### Pump Specification

Watertronics Part Number : NP-11-2831  
Manufacturer : Integrity  
Manufacturer Model Number : 12ILL  
Pump Type : VT  
Efficiency : 85.2%  
TDH : 280 FT  
Flow : 800GPM  
TPL : 189.375"  
Stages : 4  
RPM : 1800  
Discharge Size : 6IN  
Impeller Trim :  
Comments :

#### Motor Specification

Watertronics Part Number :  
Manufacturer : Nidec  
Manufacturer Model Number : HO75V2SLG / DT96  
Horse Power : 75  
Efficiency : 95%  
Enclosure : WP1  
Frame : 365TP  
Motor FLA : 87  
Coupling Type : Self-Release Coupling  
Motor Coupling Size : 1-1/4"  
Winding Heaters : Yes  
Motor Temp Switch : No  
Vibration Sensor : No

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#### Additional Pump Details

Discharge Head Material (Mains) : Ductile Iron  
Check Valve (Mains) : Silent Slam  
ISO Valve Design (Mains) : EBV

Shaft Material (Mains) : 416SS  
Shaft Seal Type (Mains) : Mechanical Seal

#### Pump Comments

Pricing Matrix did not select pumps

Level Controls

Level Sensing Method : Level Float (normally closed) & Transducer

Location : Wet Well

Number of Set Points : 1

Pond Fill Logic (2)

Fill Source	Type	HOA
Pond	Contact	No

Leve Control Comments

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### Electrical Spec

Pump ID	HP	RPM	GPM	HTR	XL	VFD	SS	EBV	Temp SW	Pump Temp Sensor
Sustain	5	3600	45	No	Yes	None	No	No	No	No
Main (#1)	75	1800	800	Yes	Yes	1	No	Yes	No	No
Main (#2)	75	1800	800	Yes	Yes	1	No	Yes	No	No
Main (#3)	75	1800	800	Yes	Yes	1	No	Yes	No	No
Main (#4)	75	1800	800	Yes	Yes	1	No	Yes	No	No

### Mechanical Reference

Inlet Pressure : N/A	Inlet Pressure Transducer : N/A
Discharge Flow : 3200	Flow Meter Type : Mag Meter (Growsmart)
Discharge Pressure : 110	Discharge Size : 10IN

### Options

Control System : Sigma w/ Touchscreen	Disconnect Type : Fused
Display : Schnieder 12"	Panel Location : Off Skid - See CSO
Surge Protection : Premium	Dead Front : No
Opto Coupler : Yes	NEMA Rating : 3R
Opto Isolator : Yes	Station Heating : No
Lighted HOAs : Yes	Panel Leg Height : 6IN - See CSO
ETMs on Panel : No	Window Kit : No
Panel Lighting : Interior Only	VFD Viewing Window : Yes
Power Phase Monitor Protection : Yes	Enclosure Cooling : Heat Exchanger Left
Individual Motor Disconnects : No	Chemical Treatment Relay : Yes
Accessory Junction Box : No	Remote Disable Relay : Yes
Fertigation Run Relay : Yes	Electrical Enclosure Size : 75X72X16

### Option Comments

Power Phase Monitor Protection, Remote Disable Relay, Fertigation Run Relay, Chemiccal Treatment Relay  
Door Switch for Rain Sensor, Choice Card for Temp Input (1 Internal , 1 External)

### Station Enclosure - None

### Level Controls - None

Level Sensing Method : Level Float (normally closed) & Transducer      Location : Wet Well  
Number of Set Points : 1

Fill Source	Type	HOA
Pond	Contact	No

### Level Control Comments

### Fertigation - None

### Auxiliary Power - None

### Unregulated Power Supply - 5kVa

### Breakers

Qty : 2      Voltage : 120      Amps : 15

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### Telemetry

Type : WV Cloud

Provider : 4G Verizon

Software and Version : 3 Year Standard

Latitude : 26 14'59.68" N

Longitude : 81 41'00.20" W

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### Sequence of Operations

ALARMS: Low pressure, high pressure, low wet well level, phase/voltage and VFD fault (when applicable) are standard alarms. Please list additional alarms below:

Alarm 1 : N/A

Alarm 2 : N/A

Alarm 3 : N/A

Alarm 4 : N/A

### Sequence of Operations Comments

Standard (pressure drop start / flow drop retire)

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### Additional Items Comments