



WaterMax SST

The Efficient Irrigation Pumping System That Meets All Your Irrigation Requirements

- For suction lift, boost or flooded intake applications
- Flows up to 800 GPM
- Maximum combined motor HP 60/15
Maximum HP duplex pumps, 25/25
- Voltage options
240/1 phase - 208/3 phase - 240/3 phase -
480/3 phase

Reliable pumping power

The WaterMax SST Pumping Systems offer both, VFD (Variable Frequency Drive) controls or electronically regulated fixed speed controls. It is skid mounted, prefabricated and self-contained. The SST Series offers precise, reliable pumping power whether your water source is a lake, pond or a boosted city supply for a large commercial or a golf course irrigation system. The SST can provide the water and pressure desired up to 800 GPM or 140 PSI.

Regulates varying flow rates

VFD technology provides smooth, accurate, surge-free and energy efficient performance at varying flow rates.

Real-time pump performance monitoring on your PC

SST Series control platform options include an industrial grade Programmable Logic Controller with a digital two-line operator interface or an easy to use, highly intuitive color touchscreen interface, Virtual Vision II. By adding the Watertronics developed Watervision Monitoring Software to Virtual Vision, the SST Pump Station can communicate with PC-based central irrigation control systems. Watervision with PumpLink can be connected to an office PC via phone, short haul, radio, or fiber optic modem to provide the irrigation control system with critical interactive pump station data.



- WaterMax SST can be custom tailored to exactly meet your requirements through a broad range of options
- Energy-efficient VFD system provides a surge-free soft start
- SST software can communicate critical data to irrigation control systems
- Pump Service Network (PSN) provides nationwide technical service for installation, start-up, user training and maintenance

The Watertronics promise

Every WaterMax System is fully performance tested at field conditions prior to shipment and arrives at the job site ready to work.

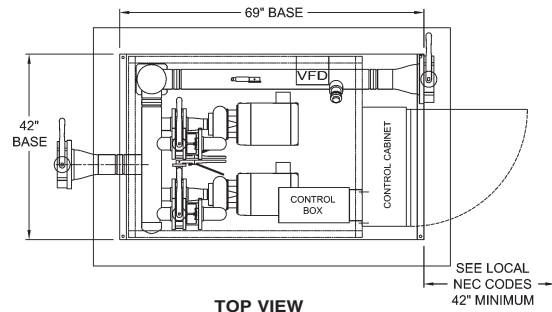
All WaterMax Products carry a 1 year limited warranty against defects in materials and workmanship.

WaterMax SST

Standard Features

- NEMA 4 service rated main disconnect panel
- U.L. listed control panel
- Microprocessor based software controls to maintain constant pressure at variable flow
- Multi-line digital operator interface display
- Alarms:
 - Low pressure shutdown
 - High pressure shutdown
 - VFD fault shutdown
 - High pump temperature shutdown
 - Motor overload shutdown
 - Phase loss (3 phase only)
- Lightning surge protection
- VFD pressure regulation with surge-free soft starting
- Pressure drop starting
- Stainless steel pressure transducer
- Flow sensor
- Pump construction features include a bronze impeller and a cast iron volute with back pullout design
- Discharge isolation valve
- Priming port for suction lift applications
- Positive prime assembly for lift application
- Engineered, forced air cooled, 14 gauge steel enclosure
- Powder coat or baked polyurethane industrial finish on enclosure & base
- Industrial grade pipe coating system
- Stainless steel fasteners
- Performance run tested prior to shipment

- Medium Green or Sandstone color option
- Watervision remote monitoring software with choice of short haul, phone, radio, or fiber optic modems
- Programmable setpoint lake level controls
- Dead-front service disconnect panel
- Suction & discharge drop pipes
- Floating intake suction pipe assembly with foot valve
- Stainless steel or marine-grade aluminum enclosure
- Thermostatically controlled enclosure heater
- Flow start (booster application only)
- Vandal resistant alarm light
- Internal sound dampening insulation
- In-line filters & strainers
- Back flow preventer
- Electronic Butterfly Valve (EBV) back up pressure regulation in the event of a VFD failure
- Electronic Butterfly Valve (EBV) pressure regulation in lieu of VFD
- Evolution Series: VFD jockey pump with EBV main pump
- Submersible turbine pumps

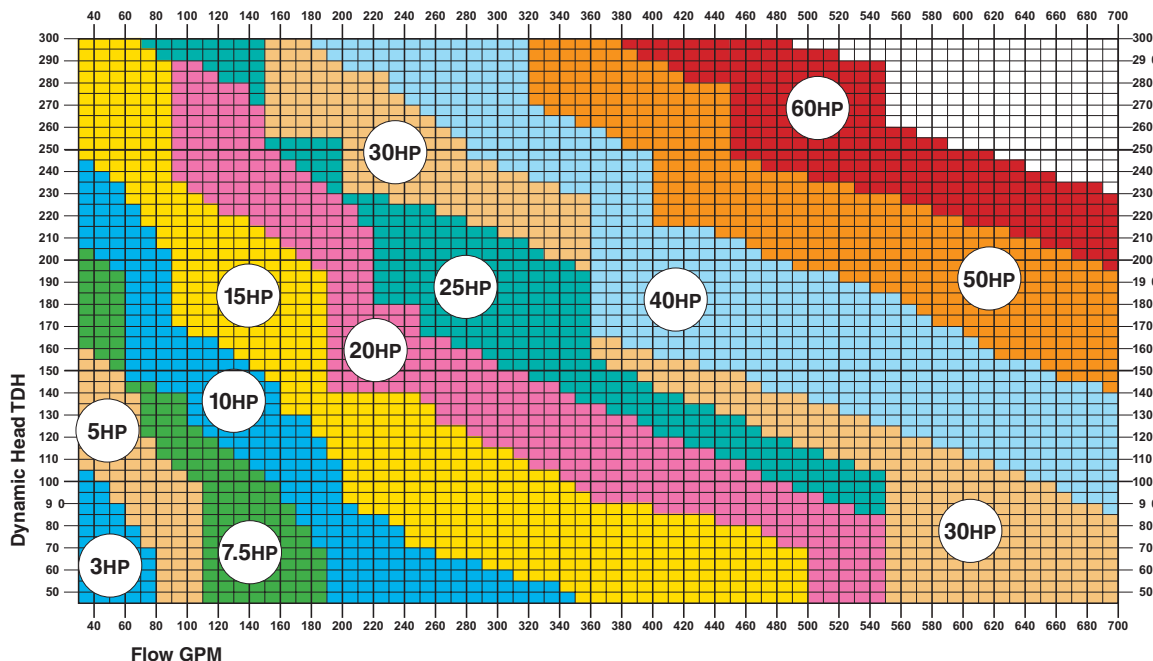


TOP VIEW
 47-9/16" enclosure height on 40 to 60 HP models
 46-5/8" enclosure height on 20 to 30 HP models

Available Options

- VirtualVision II color touchscreen operator interface with LCD display and time stamping of all alarms

SST Pump Station Selection Chart



Performance indicated includes 10' TDH station losses