



WaterMax LST

The high performer with touchscreen control option

- For suction lift, boost or flooded intake applications
- Flows up to 400 GPM
- Motor range: 3 to 30 HP
- Voltage options
240/1 phase - 208/3 phase - 240/3 phase -
480/3 phase

Precise pressure regulation

WaterMax LST Pumping Systems are prefabricated, self-contained and incorporate the latest VFD technology to provide smooth, accurate, surge-free and energy efficient performance at varying flow rates. No more "water hammer" starts and stops typical of constant speed pump systems. Whether your application is for a lake or pond supplied estate system, a boosted city pressure athletic field or commercial irrigation system, the LST Series can provide the water and pressure desired up to 400 GPM or 140 PSI.

Real-time pump performance monitoring on your PC

LST 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 LST Pump Station can communicate with most 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.

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.



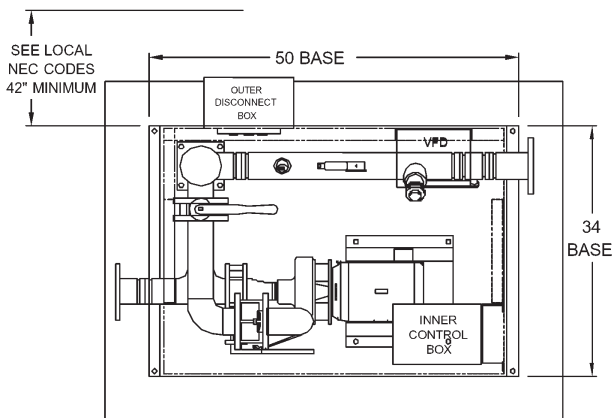
- WaterMax LST can be custom tailored to exactly meet your requirements through a broad range of options
- Energy-efficient VFD system option provides a surge-free soft start
- Pump Service Network (PSN) provides nationwide technical service for installation, start-up, user training and maintenance

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 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 application
- Positive prime assembly on lift application
- Foot valve for lift application
- Engineered, forced air cooled, 14 gauge steel enclosure with lockable lid
- Powder coat or baked polyurethane industrial finish on enclosure & base
- Industrial grade pipe coating system
- Stainless steel fasteners
- Performance run tested prior to shipment

Available Options

- Full flow bypass line with three isolation valves
- Suction & Discharge drop pipes
- Floating intake suction pipe assembly with foot valve
- Stainless steel or marine-grade aluminum enclosure
- Medium Green or Sandstone color options
- Dead-front service disconnect panel
- Across the line (XL) by-pass contactor
- Thermostatically controlled enclosure heater
- 24 volt controller start (up to 3 additional)
- Flow start (booster application only)
- Vandal resistant red alarm light
- Internal sound dampening insulation
- In-line filters & strainers
- Back flow preventer
- VirtualVision II color touchscreen interface with LCD display and memory card
- Watervision remote monitoring software
- Programmable setpoint lake level control
- Electronic Butterfly Valve (EBV) back up pressure regulation in case of VFD failure
- Hydraulic valve pressure regulation in lieu of VFD
- Electronic Butterfly Valve (EBV) pressure regulation in lieu of VFD
- Submersible turbine pumps

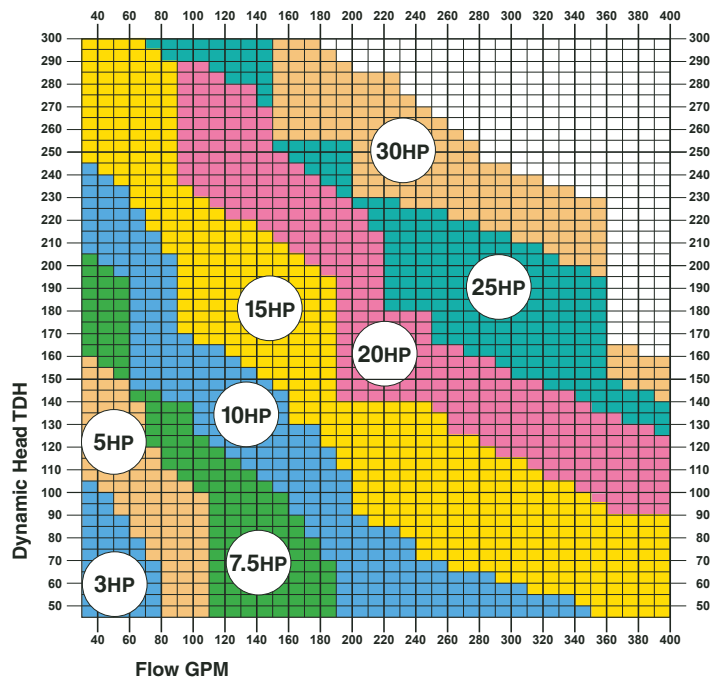


TOP VIEW

37-5/8" enclosure height on 3 to 15 HP models

46-5/8" enclosure height on 20 to 30 HP models

LST Pump Station Selection Chart



Performance indicated includes 10' TDH station losses