

# Towle whitney llc

## TW2000H-140W-50 Duplex

The **TW2000H-140W-50 Duplex Booster System** is equipped with centrifugal pumps regulated by variable frequency drives that control pump operation to maintain constant pressure regardless of varying demand or fluctuation in incoming pressure. This system will supply 140 GPM with a 50 PSI overboost.

### Features and Benefits:

- Commercial application
- Quiet, Compact & Powerful
- Variable Frequency Drive controlled pump
- Energy efficient operation
- Prewired & Factory Tested
- Lead/Lag & Alternation [Optional]
- BMS Compatibility [Optional]

### Standard system components:

- Centrifugal Pumps
- VF drives
- Pressure transducers
- Disconnect boxes
- Pneumatic tank
- Pressure Gauges
- Relief valves
- Check valves
- Ball valves
- Steel frame

### Technical Specifications:

**Pump:** Walrus (TEFC motor) [12T-4K]  
**Controller:** Emerson or equal  
**Flow Rate:** 140 GPM Total  
**Boost:** 50 PSI Overboost  
**Horse Power:** 3 HP  
**Suction:** 3 inch  
**Discharge:** 3 inch  
**Tank:** 20 Gallons [ Flexcon ]  
**Frame Size:** 37.0"W x 60.0"H x 29.0"D  
**Decibel rating:** <80 db @ 3500 RPM  
**Power Options:** Independent circuit required  
 208-220V/1-3PH  
 360-480V/3 PH

### Minimum requirements:

- Adequate amount of water volume needed
- Water supply must be free of large impurities
- Booster system must not be run dry
- Pumps need flooded suction
- Pumps cannot lift water from an underground water storage tank
- Booster system must be protected from the elements
- Isolation valves must be installed before the suction and after the discharge manifolds of the booster system.



*All parts shown are included in the system  
 Actual system components may vary  
 Some assembly required*

*Performance curve for each pump*

