



MYERS®

MODELS 8VL & 8VLX

**8" SUBMERSIBLE SOLIDS HANDLING
WASTEWATER PUMPS**

STANDARD (8VL) AND HAZARDOUS LOCATION (8VLX) CONSTRUCTION



MYERS® MODELS 8VL & 8VLX

8" Submersible Solids Handling Wastewater Pumps

| Construction Materials | |
|---|-----------------------------------|
| Motor Housing, Seal Housing, Cord Cap and Volute Case | cast iron, Class 30, ASTM A48 |
| Enclosed 2-Vane Impeller | ductile iron, Class 65, ASTM A536 |
| Power Cord | SOOW |
| Control Cord | W |
| Mechanical Seals: | |
| Standard | double tandem carbon and ceramic |
| Optional | lower tungsten carbide |
| Pump, Motor Shaft | 416 SST |
| Fasteners | 300 Series SST |
| Case Wear Ring | bronze |

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Pump Features and Applications

A. Cable Entry System

Cable jackets sealed with clamped, rubber grommet. Individual wires sealed with epoxy to prevent wicking in case of cable damage.

B. Terminal Board

Provides easy connections from power and control cables to stator. Allows voltage change in field on dual winding motors.

C. Heat Sensor on Motor Winding

Opens to de-energize motor starter if winding temperature reaches 150°C. Automatic reset.

K

D. Heavy 416 SST Shaft

Reduces deflection from impeller radial loads. Tapered and keyed to accept impeller.

E. Motor Stator

Oil-filled for continuous lubrication of bearings and seals. Class H insulation.

F. Upper & Lower Ball Bearings

G. Double Tandem Shaft Seals

Protect motor, operate in clean oil.

H. High Efficiency Impeller

Two-vane, rounded port, solids handling design. Passes 4" spherical solids.

I. Pump-Out Vanes

Help keep trash from seal, reduces pressure at seal faces.

J. Horizontal Discharge Volute Case

8" 125 lb. flange.

K. Bronze Wear Ring

Reduces bypass leakage and wear. Replaceable to restore original running clearances and pump efficiencies.

L. Dual Seal Leak Probes

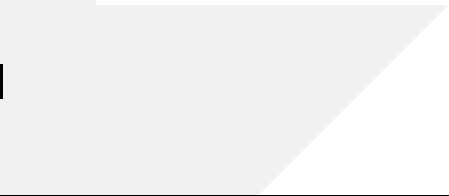
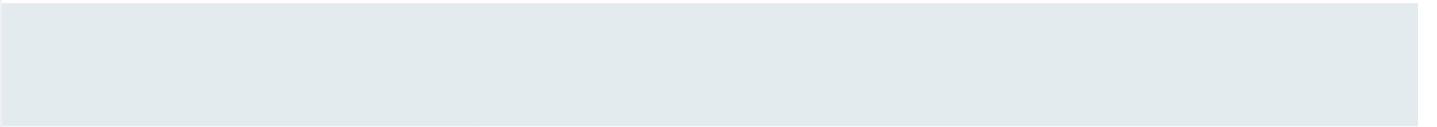
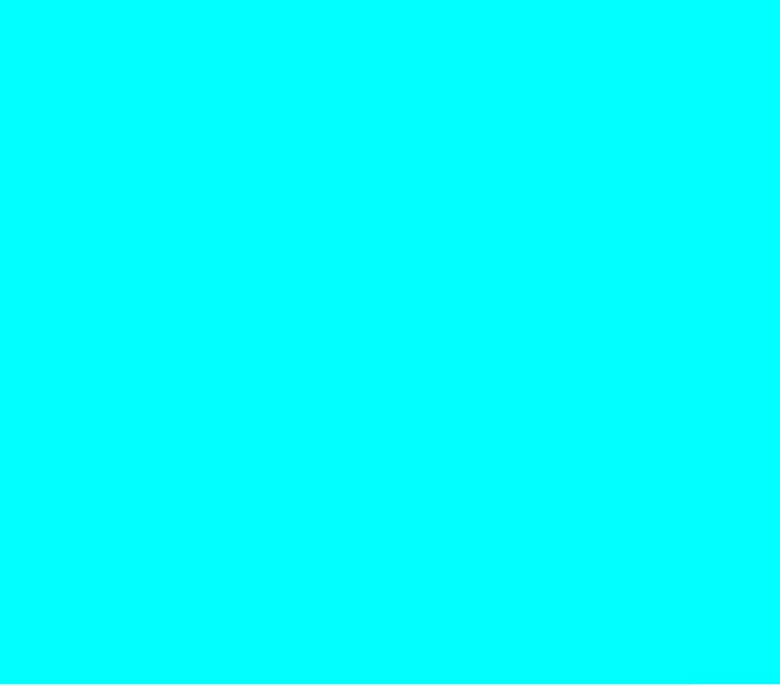
Detect water in seal housing. Activates warning light in control panel.

High Efficiency Hydraulic Design Cuts Pumping Costs and Extends Life of Fluid End Components.

- Two-vane, rounded port impellers handle solids with ease at high operating efficiencies.
- Modified, constant velocity volute offers quiet operation, low radial loads over extended portion of performance curve.

Durable Motor Will Deliver Many Years of Reliable Service.

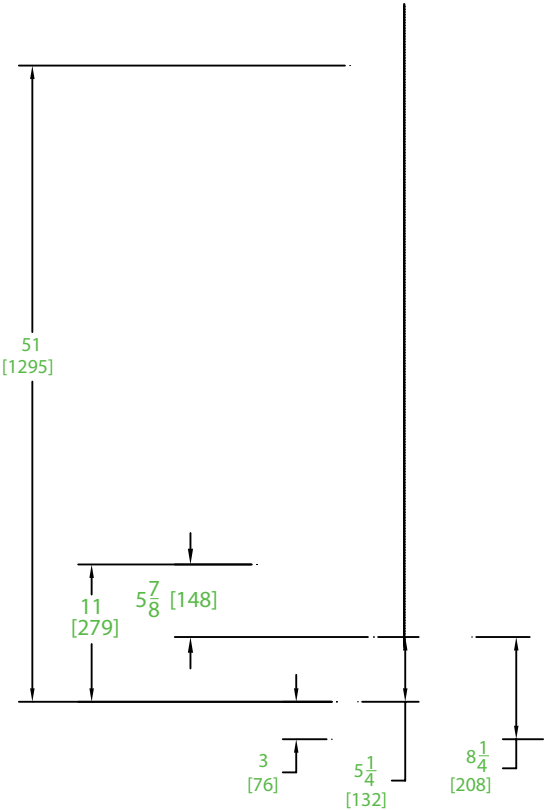
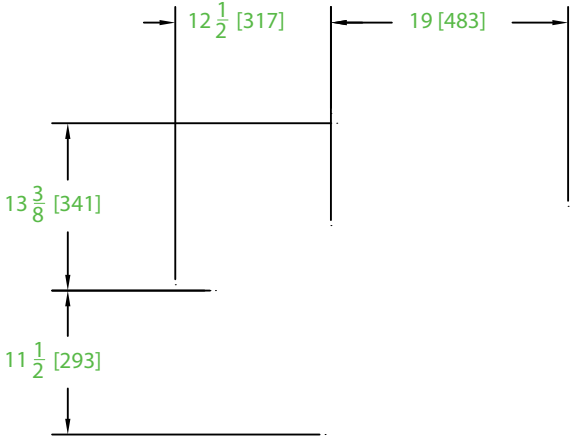
- Oil-filled motor and seal cavity for maximum heat dissipation and continuous bearing lubrication.
- Heat sensor thermostats embedded in windings protect motor from overheat conditions.
- Seal leak probes warn of moisture entry; help prevent costly motor burn-out.



| Available Models | | Motor Electrical Data | | | | | | | | | | | | |
|------------------|--------------------|-----------------------|-------|-------|-------|------------|----------|---------------------|--------|-------------------|-----------|---------|-----------------|----------------|
| Standard | Hazardous Location | HP | Volts | Phase | Hertz | Start Amps | Run Amps | Service Factor Amps | Run kW | Service Factor kW | Start KVA | Run KVA | NEC Code Letter | Service Factor |
| 8VL300M6-23 | 8VLX300M6-23 | 30 | 230 | 3 | 60 | 580 | 88.4 | 106.0 | 26.0 | 31.2 | 230 | 35.2 | J | 1.2 |
| 8VL300M6-43 | 8VLX300M6-43 | 30 | 460 | 3 | 60 | 290 | 44.2 | 53.0 | 26.0 | 31.2 | 230 | 35.2 | J | 1.2 |
| 8VL300M6-53 | 8VLX300M6-53 | 30 | 575 | 3 | 60 | 232 | 35.3 | 42.4 | 26.0 | 31.2 | 230 | 35.2 | J | 1.2 |
| 8VL400M6-23 | 8VLX400M6-23 | 40 | 230 | 3 | 60 | 580 | 110.4 | 132.5 | 34.3 | 41.2 | 230 | 44.0 | | 60 |
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Dimensions

[Dimensions in mm]





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