STRIKER-3

HIGH PRESSURE 3-STAGE FIRE PUMP

The WATERAX STRIKER-3 also known as ULTRASTRIKER® pump, pairs a reliable 3-stage pump end with the Honda 4-stroke 13 HP engine to achieve pressures of up to 345 PSI (23.8 BAR) and flow rates reaching 102 GPM (386 L/Min). It can be used by itself, in tandem or in parallel with other WATERAX pumps, and is also a very popular choice for slip-on applications.

The WATERAX quick release clamp provided on the STRIKER-3 pump lets you replace a damaged pump end in the field with minimal equipment downtime. This interchangeability greatly reduces your spare parts inventory and improves your ability to respond to unforeseen equipment damage. The Honda 4-stroke 13 HP engine makes for ease of operation and engine parts sourcing.

Emissions compliant; engine is CARB and EPA certified

Applications
- Attack line firefighting
- Long hose lay for remote watering during firefighting operations
- High elevation firefighting in mountainous areas
- Accuracy in flow trajectory when structure fire fighting
- Tandem pumping over long distances
- Parallel pumping for higher volumes
- Slip-on units

Features and Benefits
- Quick release clamp and swappable pump ends for minimal equipment downtime and inventory
- Sealed bearing to eliminate pump end greasing in the field
- Belt drive system for reliable, low maintenance performance
- Aluminium alloy pump components and anodized parts for lighter weight and greater resistance to corrosion
- Comprehensive user and service manuals
## Engine Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model &amp; Type</strong></td>
<td>Honda, GX390 Series 4-cycle, horizontal shaft, single cylinder, OHV</td>
</tr>
<tr>
<td><strong>Net Power</strong></td>
<td>11.7 HP (8.7 kW) @ 3600 RPM</td>
</tr>
<tr>
<td><strong>Net Torque</strong></td>
<td>19.5 lb-ft (26.4 Nm) @ 2500 RPM</td>
</tr>
<tr>
<td><strong>Bore &amp; Stroke</strong></td>
<td>3.46 x 2.52 inches (88 x 64 mm)</td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
<td>23.74 cubic inches (389 cc)</td>
</tr>
<tr>
<td><strong>Starting System</strong></td>
<td>12 VDC electric with manual recoil backup start</td>
</tr>
<tr>
<td><strong>Ignition</strong></td>
<td>Digital CDI with variable ignition timing</td>
</tr>
<tr>
<td><strong>Charging</strong></td>
<td>3 AMP regulating alternator</td>
</tr>
<tr>
<td><strong>Governor</strong></td>
<td>Centrifugal Mass Type</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>Air Cooled</td>
</tr>
<tr>
<td><strong>Lubrication</strong></td>
<td>Oil, Splash</td>
</tr>
<tr>
<td><strong>Oil Capacity</strong></td>
<td>1.16 quarts (1.1 liters)</td>
</tr>
<tr>
<td><strong>Fuel Pump</strong></td>
<td>18 inch lift.</td>
</tr>
<tr>
<td><strong>Emissions</strong></td>
<td>Meets current CARB, EPA, and CE requirements.</td>
</tr>
<tr>
<td><strong>Fuel Type</strong></td>
<td>Gasoline. [unleaded, 86 minimum octane, 10% maximum ethanol]</td>
</tr>
<tr>
<td><strong>Fuel Tank:</strong></td>
<td>6.4 quarts (6.1 liters)</td>
</tr>
<tr>
<td><strong>Fuel Consumption</strong></td>
<td>0.92 US gals/hr (6.8 liters/hr)</td>
</tr>
<tr>
<td><strong>Muffler</strong></td>
<td>Forestry approved spark arrester</td>
</tr>
</tbody>
</table>

## Pump Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Detachable 3-stage Centrifugal</td>
</tr>
<tr>
<td><strong>Ratings</strong></td>
<td>ISO 9 (Texas Only) and NFPA 1906 Medium</td>
</tr>
<tr>
<td><strong>Pressure Rating of 50 GPM</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Medium Pressure, Low Flow, Foam Compatible</td>
</tr>
<tr>
<td><strong>Maximum Allowable Pressure</strong></td>
<td>600 PSI (41.4 bar)</td>
</tr>
<tr>
<td><strong>Intake</strong></td>
<td>2” Male NPSH Thread (other connections available)</td>
</tr>
<tr>
<td><strong>Discharge</strong></td>
<td>1-1/2” male NPSH thread (other connections available)</td>
</tr>
<tr>
<td><strong>Body &amp; Diffusers</strong></td>
<td>Anodized corrosive resistant aluminum</td>
</tr>
<tr>
<td><strong>Impellers</strong></td>
<td>3.67” Diameter; Anodized corrosive resistant aluminum</td>
</tr>
<tr>
<td><strong>Pump Shaft</strong></td>
<td>Stainless Steel</td>
</tr>
<tr>
<td><strong>Bearings</strong></td>
<td>Maintenance Free; sealed ball bearing and sintered bronze sleeve</td>
</tr>
<tr>
<td><strong>Pump Seal</strong></td>
<td>Maintenance Free; Blister-resistant carbon seal face, silicon carbide seat, and fully integrated drive bushing.</td>
</tr>
<tr>
<td><strong>Clamp</strong></td>
<td>Hand tight quick release clamp [no tools needed]</td>
</tr>
<tr>
<td><strong>Drive Unit</strong></td>
<td>Timing Belt and Pulley; Speed Increaser</td>
</tr>
<tr>
<td><strong>Speed Increaser Position</strong></td>
<td>Vertical</td>
</tr>
<tr>
<td><strong>Drive Ratio</strong></td>
<td>1.88: 1</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Red</td>
</tr>
<tr>
<td><strong>Special Feature</strong></td>
<td>The entire pump separates completely from the engine/speed increaser.</td>
</tr>
</tbody>
</table>

All features are not available on every model. Please refer to the product selection matrix to select the proper model.
STR2-13V

Primer Specifications

Hand Primer Option
- Guzzler, Diaphragm Type; Reliable, Lightweight and Rugged.
- ½” Female NPT
- Construction: Aluminum Handle, composite body, buna-n reinforced diaphragm and flapper valves
- Lift: 12 feet (3.7 m) [up to approximately 16 feet (4.8 m) with suction hose footvalve]
- Head Capacity: 30 ft (9.1 m)
- Maximum Pressure: 15 PSI (1.03 bar)
- Maximum Service Temp: 150° F (66° C)
- Volume per Stroke: 0.44 quart (0.42 liter)
- Dimensions (L x W x H): 12-3/4” x 4-1/2” x 4-5/16” (324 x 114 x 110 mm)
- Weight: 1.70 lbs (0.77 kg)
- Shipped loose with connection hardware and 6 feet of hose

Electric Primer Option
- 12 VDC Piston Type Vacuum Pump
- 3/8” Female NPT
- Construction: Corrosion Resistant Aluminum with Bronze Sleeve and Composite Piston
- Max. Current Draw: 105 amps
- Lift: 25 feet (7.6 m)
- Vacuum: 22 in-Hg
- Dimensions: 9” x 4-1/8” x 7-1/2” (229 x 105 x 191 mm)
- Weight: 8.1 lbs (3.7 kg)
- Vehicle Units: Shipped loose with mounting plate, hardware, and 6 feet of hose

Unit Base Specifications

Vehicle Mount
- Black flat base with tubular horizontal legs.
- (Provided with industrial grade stud isolators - shipped loose)

Control Panel Options

Engine supplied controls
- Push/Pull choke, venier throttle, push start, and toggle On/Off Switch.
- (Note: Fuel valve lever on the engine itself not on panels)

FastWire quick connect
- Loomed engine wire harness (pre-wired to engine) with 8 pin Molex MX150L Industrial Sealed Male Connector. All Vehicle Mounted BB-4 pumps are equipped with FastWire quick connect engine wire harness for plug & play ease in connecting pump engine, power, and control components such as the WATERAX Control Panels MCP, PMSCP, WCP* Series.

WATERAX Control Panels
- MCP, PMSCP, WCP* Series
- *Water and/or foam level monitors, electric primer, work light options available.

Note: Refer to the WATERAX Control Panel data sheet and specifications to select a remote mount panel and/or call your WATERAX dealer to customize your own control panel with water and/or foam level monitors, and toggle switches for optional electric primer and work light.
### STR3-13P

**Primer Specifications**

- **Utility Hand Pump**
- **Discharge Port Size**: ½” Hose Barb
- **Construction**: Brass cylinder with neoprene seals and caps.
- **Maximum operating temperature**: 140°F (60°C)
- **Volume per Stroke**: 26 full strokes per gallon
- **Dimensions (L x W)**: 1-1/4” Diameter x 12 inches long
- **Weight**: 2 lbs (.91 kg)
- Clipped to pump increaser housing.

**Unit Base Specifications**

Black flat base with four tubular handles as an integral part of the base.

**Controls**

Engine choke, throttle, and fuel valve control levers; keyed start switch; and low oil pressure alert lamp and shutdown.

**Discharge Gauge Specifications**

0 to 600 PSI Dual unit (PSI/kilopascals) liquid filled; Pump mounted.

### STR3-13S

**Primer Specifications**

No Primer with unit.

**Unit Base Specifications**

Black flat base with four tubular handles as an integral part of the base.

**Controls**

Engine choke, throttle, and fuel valve control levers; keyed start switch; and low oil pressure alert lamp and shutdown.

**Discharge Gauge Specifications**

0 to 600 PSI Dual unit (PSI/kilopascals) liquid filled; Pump mounted.
PRODUCT SELECTION MATRIX

<table>
<thead>
<tr>
<th>Standard Inclusions</th>
<th>STR3-13P</th>
<th>STR3-13S</th>
<th>STR3-13V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primer</td>
<td>s</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jabisco Hand Primer</td>
<td>s</td>
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<tr>
<td>Guzzler Hand Primer</td>
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<tr>
<td>Electric Primer</td>
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<tr>
<td>Muffler</td>
<td>s</td>
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<tr>
<td>Forestry Approved Spark Arrestor</td>
<td>s</td>
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<tr>
<td>Drive Orientation</td>
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<tr>
<td>Vertical</td>
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<tr>
<td>Horizontal</td>
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<tr>
<td>Controls</td>
<td>s</td>
<td>s</td>
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</tr>
<tr>
<td>Engine Controls</td>
<td></td>
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<tr>
<td>WATERAX Control Panels</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dimensions</td>
<td>L x W x H</td>
<td>34.4”x 21.25” x 20.5”</td>
<td>34.4”x 18.25” x 18.25”</td>
</tr>
<tr>
<td>Weight</td>
<td></td>
<td>129 lbs (59 kg)</td>
<td>125 lbs (57 kg)</td>
</tr>
</tbody>
</table>

Standard S  Option O  Not applicable -

OPTIONS & ACCESSORIES

Sold Separately

CONTROLS

- **PMSCP**
  Panel Mount Standard Control Panel w/ FastWire CTRL connector.

- **MCP**
  Mini Control Panel w/ FastWire CTRL connector.

- **WCP**
  WATERAX Control Panel w/ FastWire PWR & CTRL connectors.

ELECTRIC KIT

- **BATKIT-66**
  Deep Cycle Battery Kit w/ FWP-9 cable

- **WLIGHTKIT**
  LED Work Light w/ 5’ harness & toggle switch

FASTWIRE CABLES

- **FWX-3**
  3’ CTRL Cable Extension w/ two 8 pin connectors

- **FWP-20**
  20’ PWR Cable with lugs & Anderson conn.

- **FWP-9**
  9’ PWR Cable w/ lugs & Anderson conn.

- **FWP-3**
  3’ PWR Cable w/ lugs & Anderson conn.

PRIMER

- **GZPRIMERKIT**
  Guzzler Hand Primer with hose & valve

- **EPRIMERKIT**
  Electric Primer w/ plate, 5’ harness & switch

PUMP INTAKE & DISCHARGE ADAPTER

- **ADP-A-FM20S**
  ADAPTER 2” NPSH FEMALE TO NPSH MALE

- **ADP-A-FM20SP**
  ADAPTER 2” NPSH FEMALE TO NPT MALE

- **ADP-A-FM20SV**
  ADAPTER 2” NPSH FEMALE TO VICTAULIC

- **ADP-A-FM15SN**
  ADAPTER 1-1/2” NPSH FEMALE TO NH MALE

- **ADP-A-FM15S**
  ADAPTER 1-1/2” NPSH FEMALE TO NPSH MALE

- **ADP-A-FM15SP**
  ADAPTER 1-1/2” NPSH FEMALE TO NPT MALE

- **ADP-A-FM15SV**
  ADAPTER 1-1/2” NPSH FEMALE TO VICTAULIC

- **B-6365**
  CHECK VALVE MANIFOLD 1-1/2 NPSH
TECHNICAL DRAWINGS

**STR3-13P**  Length 34-3/8” (87.3 cm)  Width 21-1/4” (54 cm)  Height 20-1/2” (52 cm)  Weight 129 lbs (59 kg)

**STR3-13S**  Length 34-3/8” (46.3 cm)  Width 18-1/4” (54 cm)  Height 18-1/4” (54 cm)  Weight 125 lbs (57 kg)

**STR3-13V**  Length 27.4” (69.5 cm)  Width 18.15” (46 cm)  Height 19.9” (50.5 cm)  Weight 129 lbs (59 kg)