

# STRIKER™ SERIES



## STRIKER-2

### HIGH PRESSURE 2-STAGE FIRE PUMP

The **WATERAX STRIKER-2** also known as STRIKER-II Plus® pump, pairs a reliable 2-stage pump end with the **Honda 4-stroke 13 HP** engine to achieve pressures of up to **230 PSI (15.9 BAR)** and flow rates reaching **105 GPM (397 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-2** 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**

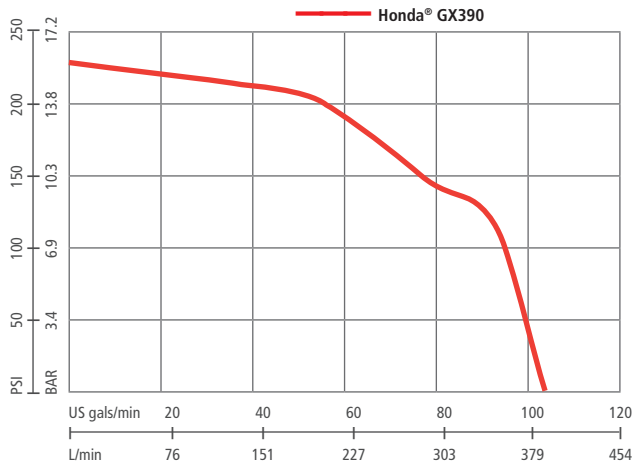
#### Applications

- Firefighting operations using higher flows
- 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

## SPECIFICATIONS



### Flow rate at specified pressure

Maximum Pressure: 230 PSI (15.9 bar)  
 Free flow: 105 US gals/min (397 L/min)  
 Maximum Head: 531' (162 m)

Flow Rate		Pressure		
US GPM	(LPM)	@	PSI	(BAR)
97	(367)	@	100	(6.9)
80	(303)	@	150	(10.3)
58	(220)	@	250	(13.8)

Engine: Honda® GX390

### Engine Specifications

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

### Pump Specifications

<b>Type</b>	Detachable 2-stage Centrifugal
<b>Ratings</b>	ISO 9 (Texas Only) and NFPA 1906 Medium Pressure Rating of 50 GPM
<b>Description</b>	Medium Pressure, Low Flow, Foam Compatible
<b>Maximum Allowable Pressure</b>	600 PSI (41.4 bar)
<b>Intake</b>	2" Male NPSH Thread (other connections available)
<b>Discharge</b>	Check Valve: 1-1/2" male NPSH thread (meets US Forest Service Specification 5100-382)
<b>Body &amp; Diffusers</b>	Anodized corrosive resistant aluminum
<b>Impellers</b>	3.67" Diameter; Anodized corrosive resistant aluminum
<b>Pump Shaft</b>	Stainless Steel
<b>Bearings</b>	Maintenance Free; sealed ball bearing and sintered bronze sleeve
<b>Pump Seal</b>	Maintenance Free; Blister-resistant carbon seal face, silicon carbide seat, and fully integrated drive bushing.
<b>Clamp</b>	Hand tight quick release clamp [no tools needed]
<b>Drive Unit</b>	Timing Belt and Pulley; Speed Increaser
<b>Speed Increaser Position</b>	Vertical
<b>Drive Ratio</b>	1.88: 1
<b>Color</b>	Red
<b>Special Feature</b>	The entire pump separates completely from the engine/speed increaser.

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

## SPECIFICATIONS

### STR2-13V

#### Primer Specifications

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

Shipped loose with connection hardware and 6 feet of hose

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

#### Unit Base Specifications

<b>Vehicle Mount</b>	Black flat base with tubular horizontal legs. (Provided with industrial grade stud isolators - shipped loose)
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#### Control Panel Options

<b>Engine supplied controls</b>	Push/Pull choke, venier throttle, push start, and toggle On/Off Switch. (Note: Fuel valve lever on the engine itself not on panels)
<b>FastWire quick connect</b>	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.
<b>WATERAX Control Panels</b>	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.

**SPECIFICATIONS****STR2-13P****Primer Specifications****Utility Hand Pump**

<b>Discharge Port Size</b>	½" Hose Barb
<b>Construction</b>	Brass cylinder with neoprene seals and caps.
<b>Maximum operating temperature</b>	140°F (60°C)
<b>Volume per Stroke</b>	26 full strokes per gallon
<b>Dimensions (L x W)</b>	1-1/4" Diameter x 12 inches long
<b>Weight</b>	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.

**PRODUCT SELECTION**

**PRODUCT SELECTION MATRIX**

			STR2-13P	STR2-13V
STANDARD INCLUSIONS	Primer	Jabsco Hand Primer	S	-
		Guzzler Hand Primer	-	O
		Electric Primer	-	O
	Muffler	Forestry Approved Spark Arrestor	S	S
	Drive Orientation	Vertical	S	S
		Horizontal	-	-
	Controls	Engine Controls	S	O
		WATERAX Control Panels	-	O
	Dimensions	L x W x H	30.5" x 21.5" x 20.8"	30.5" x 21.5" x 20.8"
Weight		127 lbs (58 kg)	127 lbs (58 kg)	

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



**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



- ADP-A-FM20S**
- ADP-A-FM20SP**
- ADP-A-FM20SV**
- ADP-A-FM15SN**
- ADP-A-FM15S**
- ADP-A-FM15SP**
- ADP-A-FM15SV**

- ADAPTER 2" NPSH FEMALE TO NPSH MALE
- ADAPTER 2" NPSH FEMALE TO NPT MALE
- ADAPTER 2" NPSH FEMALE TO VICTAULIC
- ADAPTER 1-1/2" NPSH FEMALE TO NH MALE
- ADAPTER 1-1/2" NPSH FEMALE TO NPSH MALE
- ADAPTER 1-1/2" NPSH FEMALE TO NPT MALE
- ADAPTER 1-1/2" NPSH FEMALE TO VICTAULIC



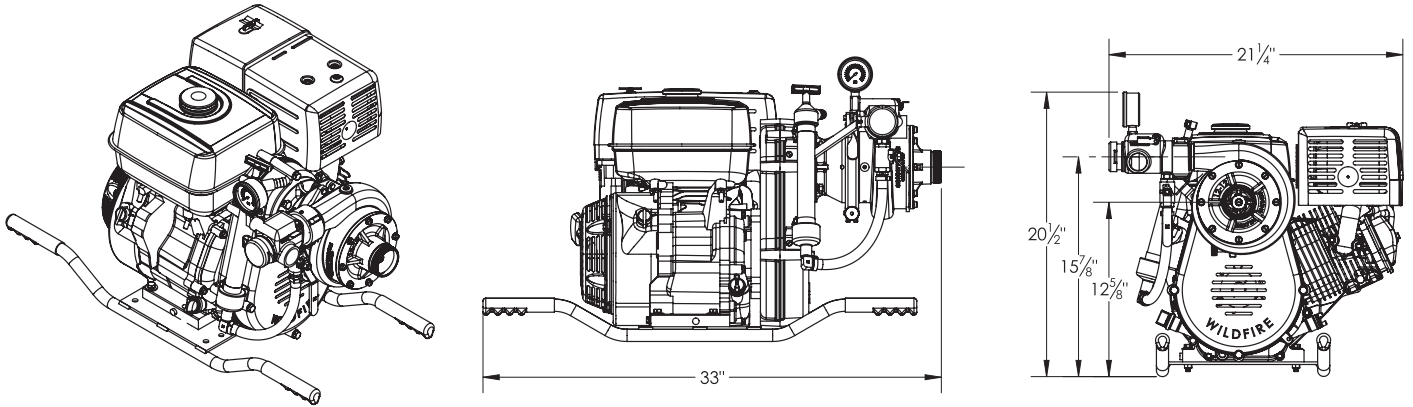
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CHECK VALVE MANIFOLD 1-1/2 NPSH

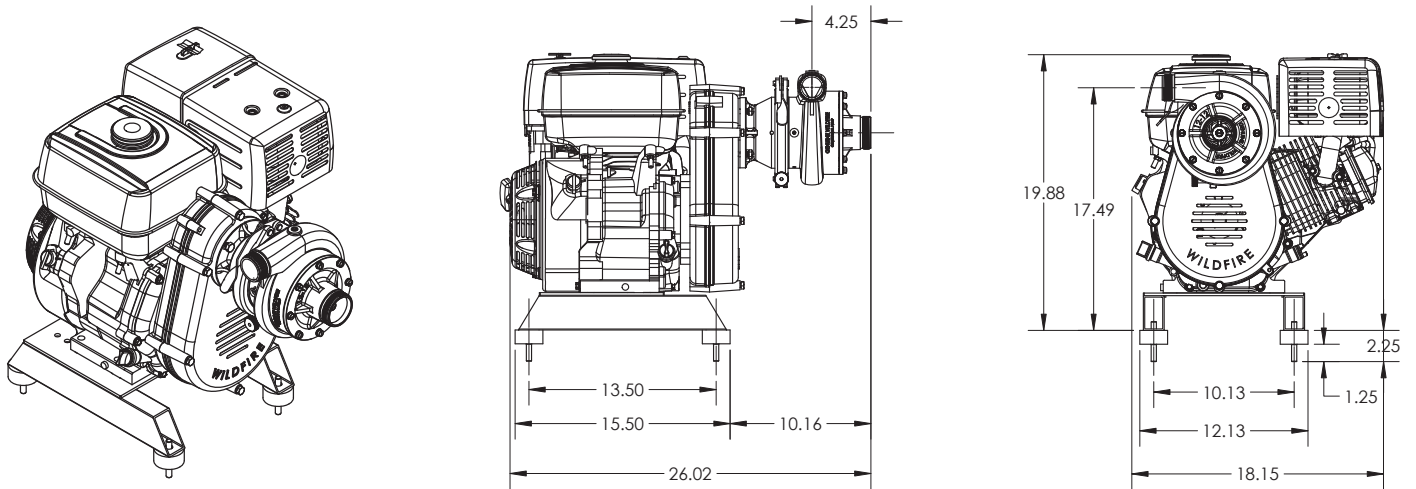
**PUMP INTAKE & DISCHARGE ADAPTER**

**TECHNICAL DRAWINGS**

**STR2-13P** Length 33" (83.8 cm) Width 18-1/4" (46.3 cm) Height 20-1/2" (52 cm) Weight 127 lbs (58 kg)



**STR2-13V** Length 26.02" (66 cm) Width 18.25" (46.6 cm) Height 19.88" (50.5 cm) Weight 127 lbs (58 kg)





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