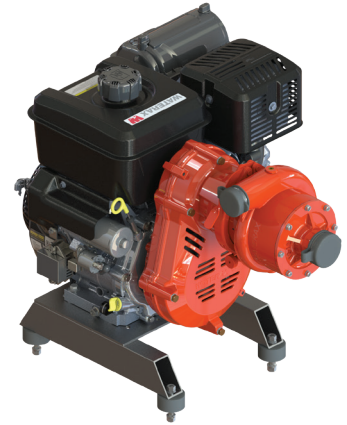


## STRIKER-3



### DATA SHEET

## HIGH PRESSURE 3-STAGE FIRE PUMP

The **WATERAX STRIKER-3** also known as ULTRASTRIKER® pump, pairs a reliable 3-stage pump end with the Briggs & Stratton 4-stroke 14 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 **Briggs & Stratton 4-stroke 14 HP** engine makes for ease of operation and engine parts sourcing.

Emissions compliant; engine is CARB and EPA certified

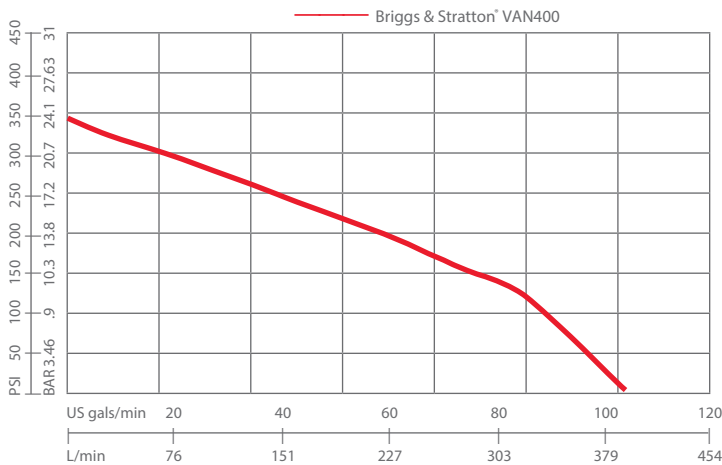
### Applications

- 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

# SPECIFICATIONS



Flow rate at specified pressure

Maximum Pressure: 345 PSI (23.8 bar)

Free flow: 102 US gals/min (386 L/min)

Maximum Head: 797' (243 m)

Flow Rate		Pressure		
US GPM	(LPM)	@	PSI	(BAR)
87	(329)	@	100	(6.9)
75	(284)	@	150	(10.3)
40	(151)	@	250	(17.2)

Engine: Briggs & Stratton® VAN400

## Engine Specifications

<b>Model &amp; Type</b>	B&S, VAN400 Series 4-cycle, horizontal shaft, single cylinder, OHV
<b>Net Power</b>	12HP (9 kW) @ 3600 RPM
<b>Net Torque</b>	19.5 lb-ft (26.4 Nm) @ 2500 RPM
<b>Bore &amp; Stroke</b>	3.46 x 2.64 inches (88 x 67 mm)
<b>Displacement</b>	24.89 cubic inches (408 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>	1.0 quarts (.95 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>	6.0 quarts (5.7 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.



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# SPECIFICATIONS

## STR3-13V

### Primer Specifications

Hand Primer Option	Guzzler, Diaphragm Type; Reliable, Lightweight and Rugged.
Intake and Discharge Port Size	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
Intake and Discharge Port Size	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)
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### 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.



# PRODUCT SELECTION

## PRODUCT SELECTION MATRIX

PRODUCT SELECTION MATRIX			STR3-14V
STANDARD INCLUSIONS	Primer	Jabsco Hand Primer	-
		Guzzler Hand Primer	o
		Electric Primer	o
	Muffler	Forestry Approved Spark Arrestor	s
	Drive Orientation	Vertical	s
		Horizontal	-
	Controls	Engine Controls	o
		WATERAX Control Panels	o
	Dimensions	L x W x H	27.5" x 18.9" x 21.7"
Weight		139 lbs (63 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



### PUMP INTAKE & DISCHARGE ADAPTER

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

B-6365

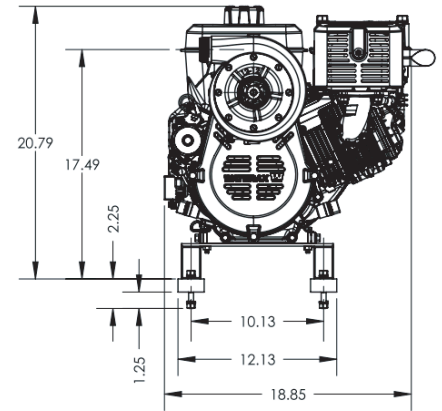
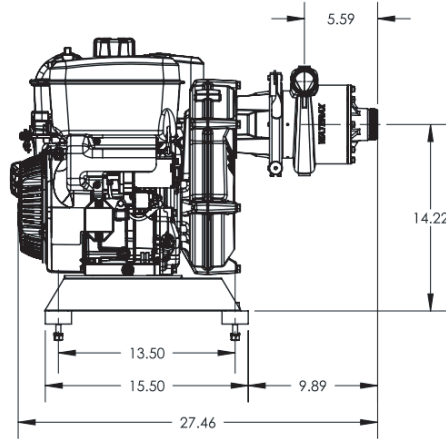
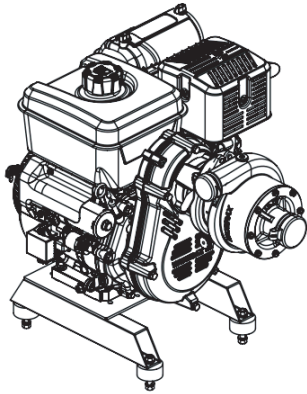
CHECK VALVE MANIFOLD 1-1/2" NPSH



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# TECHNICAL DRAWINGS

STR3-14V Length 27.5" (69.7 cm) Width 18.85" (47.9 cm) Height 20.79" (52.8 cm) Weight 139 lbs (63kg)



# **WATERAX**

All information contained in this document including drawings is proprietary to *WATERAX* and may not be copied, reproduced or used in whole or in part without our prior written permission. The information in this document is subject to change without notice. Model displayed with multiple options. Weight and dimensions are approximated and may vary depending on options.

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**waterax.com**

To help you stay **#ReadyForWildfires**, we've made a few changes, placing 100% of our focus on manufacturing our core products, portable fire pumps.

To do so, we've established a network of trusted supply and distribution partners that can help us provide *WATERAX* pumps quickly in addition to water-handling equipment and accessories.

For immediate assistance when it comes to pumps and water-handling accessories, please contact your local dealer.

For genuine spare parts, visit our online store.



**WE MOVE  
WATER**