

VS2[®]-9EV Vehicle mount



DATA SHEET

SELF-PRIMING 2-STAGE FIRE PUMP

The **WATERAX VS2-9EV** is a versatile, rugged, and economical twin impeller self-priming pump. This unit is driven by a **9 HP Honda engine**. It produces a maximum pressure of 150 PSI (10.3 BAR) and flow rate of 105 US GPM (397 L/min). This workhorse can be used as a portable pump or on a slip-on unit. Their compact design makes them ideal for a variety of applications such as firefighting, tank filling and water transfers.

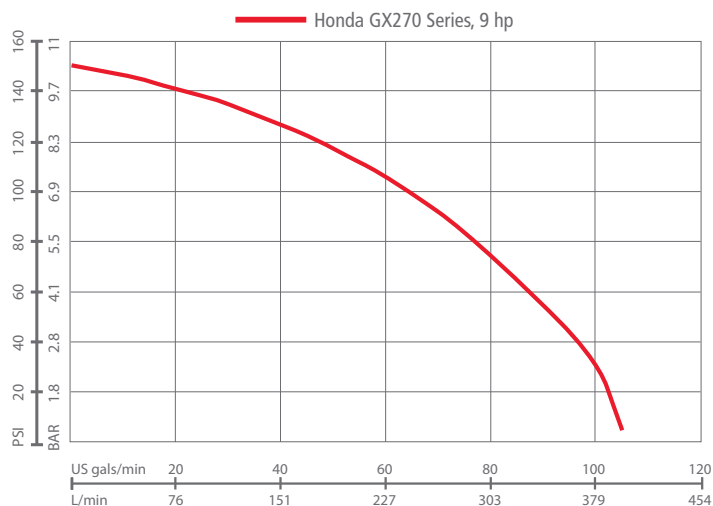
Applications

- Firefighting
- Tank filling
- High head general water transfer
- Boom spraying
- Irrigation

Features and Benefits

- Twin impeller design provides additional pressure for longer & higher pumping applications.
- Pump casing and diffusers manufactured from quality corrosion resistant grade aluminum for long life.
- Nylon glass fiber reinforced impellers fully corrosion proof and lightweight.
- 3-way discharge port for easy installation.
- Powder coated casing for added corrosion resistance.
- Self-priming for more versatile installation options.
- Easy to access drain port.
- Low oil protection.
- Comprehensive user and service manuals
- EPA Certified.

SPECIFICATIONS



Flow rate at specified pressure

Maximum Pressure: 150 PSI (10.3 bar)
 Free flow: 105 US gals/min (397 L/min)
 Maximum Head: 347' (106 m)

| Flow Rate | | | Pressure | |
|-----------|---------|---|----------|---------|
| US GPM | (LPM) | | PSI | (BAR) |
| 92 | (348) | @ | 50 | (3.4) |
| 80 | (303) | @ | 75 | (5.2) |
| 64 | (242) | @ | 100 | (6.9) |

Honda GX270 Series, 9 hp

HONDA
ENGINES

Pump Specifications:

| | |
|-----------------------------|--|
| Type: | 2-stage Self-Priming Centrifugal Pump |
| Maximum Allowable Pressure: | 190 PSI (13.1 bar) |
| Intake: | 2" Male NPT Thread (Other connector options available) |
| Discharge: | Manifold: (2) 1" Male NPT and (1) 1.5" NPT ports. |
| Priming Port: | 2" Male BSP with hard anodized aluminum cap |
| Body & Diffusers: | Anodized corrosive resistant aluminum |
| Impellers: | 6.28 inches (160 mm) Diameter; Reinforced glass fiber nylon composite. |
| Wear Rings: | Reinforced glass fiber nylon composite; replaceable. |
| Pump Shaft: | Extension off engine drive shaft. |
| Pump Seal: | Maintenance Free; Mechanical Type. |
| Drive Unit: | Engine, Direct drive off engine PTO shaft. |
| Color: | Red Powder Coat |

Engine Specifications:

| | |
|------------------------------|---|
| Model & Type: | Honda GX270 Series, 4-stroke horizontal shaft, OHV, air cooled gasoline |
| Net Power Output: | 8.5 HP (6.3 kW) @ 3,600 RPM |
| Net Torque: | 14.1 lb-ft (19.1 Nm) @ 2,500 RPM |
| Bore & Stroke: | 3.03 x 2.28 inches (77 x 58 mm) |
| Displacement: | 16.48 cubic inches (270 cc) |
| Starting System: | Manual; Recoil with Electric Start Option |
| Ignition: | Digital CDI with variable ignition timing |
| Governor: | Centrifugal Mass Type |
| Cooling: | Air Cooled |
| Lubrication: | Oil, Splash |
| Oil Capacity: | 1.16 quarts (1.1 liters) |
| Emissions: | Meets current CARB, EPA, and CE requirements. |
| Fuel Type: | Gasoline [unleaded, 86 minimum octane, 10% maximum ethanol] |
| Integrated Fuel Tank Option: | 5.6 US quarts (5.3 liters) with manual shut off valve |
| Muffler: | Canister type with forestry approved spark arrestor |



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WATER

SPECIFICATIONS

Frame Specifications:

Base: Front foot support with two rear anti-slip, anti-vibration heavy duty rubber feet.

Primer Option Specifications:

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

Control Panel Options:

Engine supplied controls: Engine Choke Lever, Throttle Lever, Fuel Valve Lever, and On/Off Switch.
FastWire quick connect: Loomed engine wire harness (pre-wired to engine) with 8 pin Molex MX150L Industrial Sealed Male Connector. The option of FastWire quick connect engine wire harness allows for plug & play ease in connecting pump engine, power, and control components such as the WATERAX Control Panels MCP, PMSCP Series.
WATERAX Control Panels: MCP, PMSCP Series

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.



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PRODUCT SELECTION

PRODUCT SELECTION MATRIX

| PRODUCT SELECTION MATRIX | | | VERSAX-6 Portable | VERSAX-9 Portable | VERSAX-9 Vehicle Mount |
|--------------------------|---------------------|---|-------------------|-------------------|------------------------|
| | | | VS2-6P | VS2-9P | VS2-9EV |
| STANDARD INCLUSIONS | Frame | Carry Handle | S | S | - |
| | FastWire CTRL Cable | Honda GX270 3' CTRL Cable Ext. w/ terminals & 8 pin connector | - | - | S |
| | Discharge Caps | Cap 1" NPSH | S | S | - |
| | | Cap 1-1/2" NPSH | S | S | - |
| | Dry Weight | | 57 lbs (25.9 kg) | 79 lbs (35.6 kg) | 84 lbs (37.9 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.

Primer



GZPRIMERKIT
Guzzler Hand Primer
with hose & valve

Electric Kit



BATKIT-20-P
Sealed Battery 12V,
20Ah w/ FWP-9 PWR
cable



WLKIT
LED Work Light w/ 5'
harness & toggle switch

FastWire Cables



FWC-H1-3
Honda GX270 3' CTRL
Cable Ext. w/ terminals &
8 pin connector

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.

Pump Intake & Discharge Adapters



A-2688
ADP-A-FM20SV
ADP-A-FM15SN
ADP-A-FM15S
ADP-A-FM15SV
ADP-A-C10S
ADP-A-C15S

Adapter 2" NPSH Female to NPSH 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 Victaulic
Cap 1" NPSH
Cap 1-1/2" NPSH

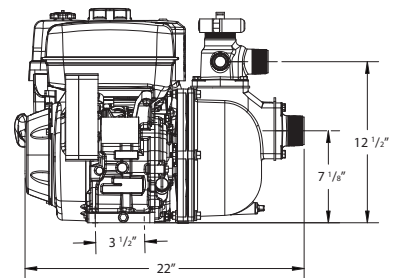
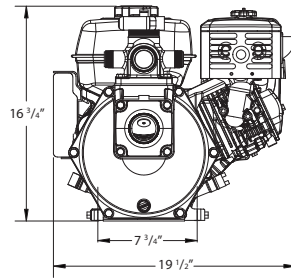
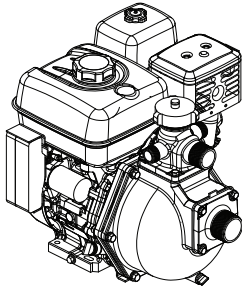


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TECHNICAL DRAWINGS

VS2-9EV

Length 22" (55.8 cm) Width 19.5" (49.3 cm) Height 16.75" (42.5 cm) Weight 84 lbs (38 kg)



WATERAX

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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.

VS2®-9EV Vehicle mount is a trademark of Waterax.



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