WATERAX



B2X-23P Portable

DATA SHEET

MID-RANGE 2-STAGE FIRE PUMP

Designed for OEM Fire Apparatus Manufacturers who need a vehicle mounted pump the **WATERAX B2X** is a versatile Mid-Range portable pump that delivers the best performance of its class with minimal operating costs. Unlike other pumps, the **B2X** uses a low maintenance drive belt system that provides efficient and dependable performance.

The *WATERAX* B2X-23 pump pairs a reliable high performance Mid-Range 2-stage pump end with a powerful Briggs & Stratton 4-stroke 23 hp engine to achieve pressures of up to 200 PSI (13.8 BAR) and flow rates reaching 300 GPM (1136 L/Min). A strong show of both pressure and volume makes it the ideal pump for vehicle mounted applications dedicated to municipal and wildland urban interface operations.

The **WATERAX** quick release clamp provided on the **B2X** pump provides ease of maintenance without having to disassemble the complete pump unit thus significantly reducing equipment downtime.

Applications

- Structure attack lines firefighting
- Tandem pumping over long distance
- Parallel pumping for higher volumes
- 2x 1-1/2" simultaneous attack lines
- 2-1/2" high volume supply line
- Water transfer
- Tanker water fill / removal
- Portable tank fill
- Structure protection

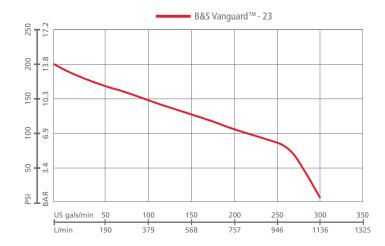
Features and Benefits

- Quick release clamp and swappable pump ends for ease of maintenance and minimal equipment downtime.
- Belt drive system for reliable, low maintenance performance.
- Aluminum alloy pump components and anodized parts for lighter weight and greater resistance to corrosion
- Comprehensive user and service manuals
- EPA Certified





SPECIFICATIONS



Flow rate at specified pressure

Maximum Pressure: 200 PSI (13.8 bar) Free flow: 300 US gals/min (1136 L/min)

Maximum Head: 462' (141 m)

Flow	Rate		Pressure		
US GPM	(LPM)		PSI	(BAR)	
288	(1090)	@	50	(3.4)	
200	(757)	@	100	(6.9)	
95	(360)	@	150	(10.3)	

Engine: Briggs & Stratton® VanguardTM - 23 hp



Pump Specifications:

Type: Detachable 2-stage Centrifugal

Ratings: ISO 9 and NFPA 1906 Medium Pressure Rating of 50 GPM Description: Medium Pressure, Medium Flow, Foam Compatible

Maximum Allowable Pressure: 400 PSI (27.6 bar)
Maximum Flow: 300 GPM (1136 lpm)

Intake: 3" NPT Female/4" Victaulic Combination (Other options available thru adapters)
Discharge: 2-1/2" NPT Female/3" Victaulic Combination (Other options available thru adapters)

Body & Diffusers: Anodized corrosive resistant aluminum

Impellers: 4.00" Diameter; Anodized corrosive resistant aluminum

Pump Shaft: Stainless Steel

Bearings: Maintenance Free; sealed ball bearing and sintered bronze sleeve

Pump Seal: Maintenance Free; Blister-resistant carbon seal face, silicon carbide seat, and fully integrated drive bushing.

Clamp: Hand tight quick release clamp [no tools needed]

Drive Unit: Timing Belt and Pulley; Speed Increaser

Speed Increaser Position: Vertical
Drive Ratio: 1.88: 1
Color: Red

Special Feature: The entire pump separates completely from the engine/speed increaser.

Engine Specifications:

Model & Type: Briggs and Stratton Vanguard 4-cycle, horizontal shaft, twin cylinder, OHV

 Maximum Power:
 23 HP (17.2 kW) @ 3600 RPM

 Maximum Torque:
 32.75 lb-ft (44.4 Nm) @ 2600 RPM

 Bore & Stroke:
 2.97 x 2.76 inches (72 x 70 mm)

 Displacement:
 38.26 cubic inches (627 cc)

Starting System: Re-coil start with 12 VDC electric start option

Ignition: Magnatron

Charging: 16 AMP regulating alternator

Governor: Mechanical
Cooling: Air Cooled
Lubrication: Oil, Full pressure
Oil Capacity: 1.8 quarts (1.7 liters)

Fuel Pump: 18 inch lift.

Emissions: Meets current CARB, EPA, and CE requirements.

Fuel Type: Gasoline [unleaded, 86 minimum octane, 10% maximum ethanol]

Fuel Consumption: 2.1 US gals/hr (7.9 liters/hr)
Muffler: Forestry approved spark arrestor

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





SPECIFICATIONS

Primer Specifications:

Hand Primer Option: Guzzler, Diaphragm Type; Reliable, Lightweight and Rugged

Intake and Discharge Port Size: 1/2" 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)

Location: Mounted on starter side of engine

Exhaust Primer Option: Venturi Type (when selected mounted to exhaust primer muffler)

Venturi Construction: Brass

Exhaust Valve Construction: Aluminum with stainless shaft and disc Operation: Remote mount push/pull cable.

Vacuum: Minimum of 17 in-Hg

Location: Mounted on the vertical exhaust muffler; starter side of engine.

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)

Location: Mounted on starter side of engine

Frame Specifications:

Color: Black
Finish: Powder Coat

Handles: Tubular U-shaped integrated into the base frame

Controls Specifications:

Briggs & Stratton Standard Engine Controls:

Start/Stop: Turn-key rotary switch

Throttle: Lever control on left side of blower housing

Choke: Push/pull ring pin located on starter side of the engine below the air filter housing.

Engine Mount Control Panel:

On/Off Switch: Weather resistant chrome toggle switch

Start: Weather resistant push button switch (with battery kit option only)

Throttle: Vernier with red push button emergency throttle idle

Low Oil Pressure Warning: Red LED (with battery kit option only)

Choke: Push/pull ring pin located on starter side of the engine below the air filter housing.

Discharge Gauge Specifications:

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

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





PRODUCT SELECTION

PRODUCT SELECTION MATRIX			B2X-23P	B2X-23PC	B2X-23PXTC	B2X-23PETC
	Primer	Guzzler Hand Primer	S	S	-	-
		Remote Exhaust Primer w/Control Cable PART-763	-	-	-	-
		Exhaust Primer	-	-	S	-
S		Electric Package - Electric Primer, LED work light, & Battery	-	-	-	S
INCLUSIONS	Muffler	Horizontal low tone	-	-	-	-
		Dual B&S low tone	S	S	-	-
I≧I		Exhaust primer muffler	-	-	S	S
RD	Fuel Tank	Integral / 7 US qts (6.6 L)	-	-	-	-
STANDARD		Integral / 4 US qts (3.8 L) w/ 3-way valve	-	-	S	S
TA	Controls	Engine Mount Control Panel	-	S	S	S
S	Discharge Gauge	0-600 psi, 2-1/2" dial		S	S	S
	Check Valve Manifold	B&S 3' CTRL Cable with 8 pin connector (FWC-B-3)	-	-	-	-
	FastWire CTRL Cable	ble Honda GX630 3' CTRL Cable with 8 pin connector (FWC-H-3)		-	-	-
	Weight		167 lbs (76 kg)	169 lbs (77 kg)	170 lbs (77 kg)	195 lbs (88 kg)

OPTIONS & ACCESSORIES

Sold Seperately

Electric Kit



BATKIT-20-P Battery Kit 12V 20ah, Portable



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

Fuel Tank & Fuel Line



FA-452Remote Fuel Tank
6.6 US Gallons w/ quick conn.

FA-452-3 Remote Fuel Tank 3.2 US Gallons w/ quick conn. **12-401B-NS-TRPD**Fuel Line EPA quick conn. to hose 1/4"

12-401B-NS-TRPDFuel Line quick conn. to SAE 45 Flare

Pump Intake & Discharge Adapters

B2X-CONVKIT B2XRK1 B2X-PVKIT B2 TO B2X CONVERSION KIT SEAL KIT FOR B-2 & B2X B2X PRIMER VALVE KIT



ADP-B2X-25N25N ADP-B2X-30N25N RED-24255252 RED-24255253 PART-520 PART-521 PART-522 PART-523 ADP KIT B2X,SUC 2.5,DIS 2.5 NH ADP KIT B2X,SUC 3.0,DIS 2.5 NH WYE VALVE 2.5NH F X 1.5NPSH M WYE VALVE 2.5NH F X 1.5NH M GROOVED COUPLING 3",GALV. GROOVED COUPLING 4",GALV. GROOVED CPLG 3 TO 2.5",GALV. GROOVED CPLG 4 TO 3",GALV.

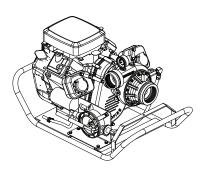


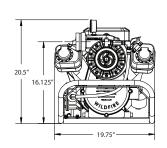
TECHNICAL DRAWINGS

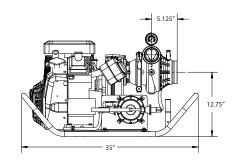
B2X-23P

Length 35" (88.9 cm)

Width 19.75" (50.16 cm) Height 20.5" (52.07 cm) Weight 167 lbs (76 kg)



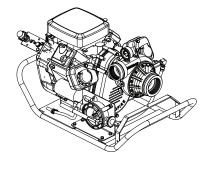


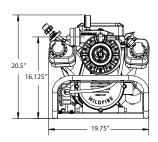


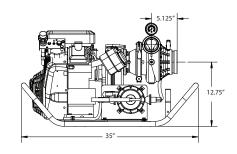
B2X-23PC

Length 35" (88.9 cm)

Width 19.75" (50.16 cm) Height 20.5" (52.07 cm) Weight 169 lbs (77 kg)





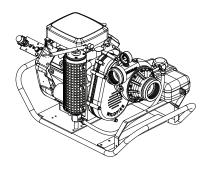


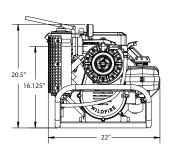
B2X-23PXTC

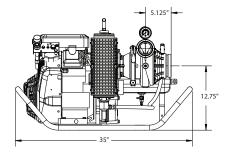
Length 35" (88.9 cm)

Width 22" (55.88 cm)

Height 20.5" (57.15 cm) Weight 170 lbs (77 kg)





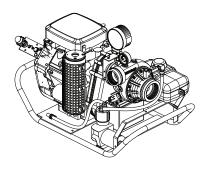


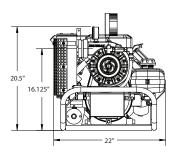
B2X-23PETC

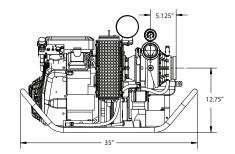
Length 35" (88.9 cm)

Width 22" (55.88 cm)

Height 23.25" (59.05 cm) Weight 195 lbs (88 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.

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