



## MK3-WW

### DATA SHEET

## MARK-3® Watson Edition with Integrated Fuel Tank

The MK3-WW delivers unmatched portability and endurance for wildland firefighters. With an integrated 1 US gallon (3.8L) fuel tank, this pump provides up to ~45 minutes of uninterrupted runtime at full throttle - 100% and up to ~65 minutes at 75% throttle, ensuring crews can stay focused on the fire, not refueling. For extended operations, a three-way fuel valve allows seamless connection to an external fuel source, keeping you powered when and where it matters most.

Whether you're responding to initial attack fires or tackling extended operations in remote terrain, the MARK-3® Watson Edition with Integrated Fuel Tank combines portability, reliability, and rugged performance with the power, endurance, and agility – everything you need to tackle the challenge head-on.

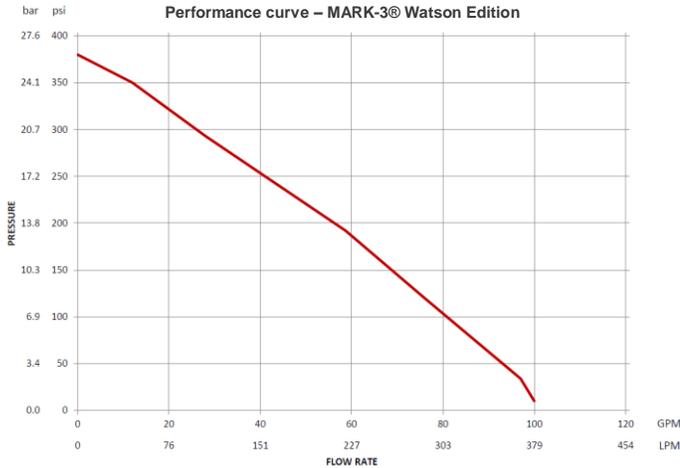
### Applications

- Direct attack wildfire operations.
- Relay tank pumping for remote watering during firefighting operations.
- High-elevation firefighting in mountainous areas.
- In series pumping over long distances.
- Parallel pumping for higher volumes.

### Features and Benefits

- Quick-release clamp and detachable pump end for minimal equipment downtime.
- Sealed bearing to eliminate pump end greasing in the field.
- Aluminum alloy pump components and anodized parts for lighter weight and greater resistance to corrosion.
- Anti-flooding feature significantly reduces risk of flooding engines.
- Bluetooth connectivity, enabling real-time monitoring via a mobile app with a dashboard interface.

# SPECIFICATIONS



## Flow rate at specified pressure

Maximum Pressure: **380 PSI** (26.2 bar)

Free flow: **100 US gals/min** (379 L/min)

Maximum Head: **877'** (267 m)

Flow Rate			Pressure	
US GPM	(LPM)	@	PSI	(BAR)
80	(303)	@	100	(6.9)
70	(265)	@	150	(10.3)
40	(151)	@	250	(17.2)

## Engine Specifications

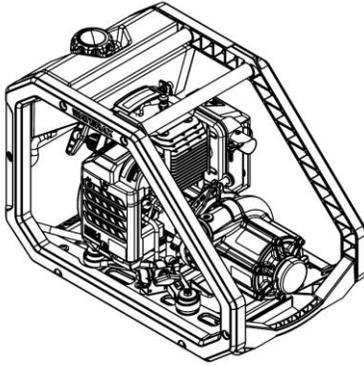
<b>Model &amp; Type</b>	WATERAX 140cc, 2-cycle, air-cooled, Nikasil® coated
<b>Displacement</b>	140 cc
<b>Power</b>	10.7 HP (8 kW) @ 8000 RPM
<b>Torque</b>	7.6 lb-ft (10 Nm) @ 7050 RPM
<b>Duty Rating</b>	Continuous duty at 100% throttle
<b>Ignition</b>	CDIM with backup overspeed protection
<b>Fuel System</b>	Carburetor: Zama® diaphragm carburetor with integrated fuel pump Priming: Stand-alone purge bulb – flood-proof
<b>Fuel Tank</b>	Integrated fuel tank: 1 US gallon (up to ~45-minute run time) For remote fuel tank: 3-way valve w/ SAE 45 or Mercury QC
<b>Fuel Type</b>	Gasoline: Unleaded 87 octane (US) automotive gasoline (max. 10% ethanol) Oil: 2-cycle mixing oil, API-TC, JASO FD and ISO-L-EGD (recommendation: Amsoil Saber® Professional Synthetic) Mix Ratio: 50:1
<b>Fuel Consumption</b>	At 75% load: 0.92 US gals/hr (3.5 L/hr) At 100% load: 1.5 US gals/hr (5.7 L/hr)
<b>Air Intake System</b>	Air filter: Foam, oiled Ember separator: USFS 5100-273e approved
<b>Exhaust System</b>	Muffler: Stainless steel. Painted black Muffler heat shield: Stainless steel. Painted black. Replaceable Spark arrestor: USFS FS-5100-1 approved
<b>Throttle Control</b>	With detents to prevent throttle drift
<b>Manufacturer Warranty</b>	Earlier of 2 years or 100 hours

## Pump Specifications

<b>Type</b>	Detachable, 4-stage, centrifugal, high-pressure, anodized aluminium, corrosion-resistant composite components (patent pending), foam compatible
<b>Connections</b>	Inlet 2" (51 mm) Male NPSH Outlet 1.5" (38 mm) Male NPSH
<b>Pump Clamp</b>	Quick-release lightweight pump clamp
<b>Coupling</b>	Reinforced flexible gear coupling sleeve
<b>Seal</b>	Balanced elastomeric bellows and silicon carbide mechanical rotary seal
<b>Bearing</b>	Maintenance-free 15 mm double row sealed bearing
<b>Carry Frame</b>	Wrap-around reinforced composite
<b>Backpack Straps</b>	<u>Optional:</u> Padded straps with military grade quick release system
<b>Starting System</b>	Recoil starter: Mechanical rewind starter Backup starting capability: Manual rope starter backup
<b>User Interface Module</b>	OFF button with multi-color daylight visible LED. Diagnostics and session data logging Overspeed protection Overheat warning Overheat protection Integrated hour meter Integrated tachometer Last engine state indicator Low battery indicator Warm up indicator
<b>Communication</b>	Diagnostics Port Connection USB-C Diagnostics Software WATSON Diagnostic Tool Bluetooth® wireless connection Mobile application MyWATERAX app, IOS and Android
<b>Certifications</b>	CE/EN 14466:2005+A1:2008

# TECHNICAL DRAWINGS

## MK3-WW



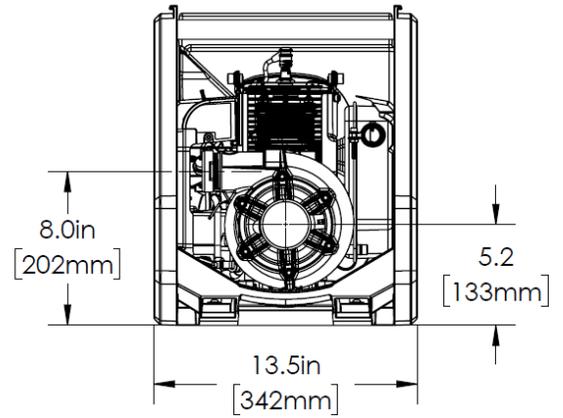
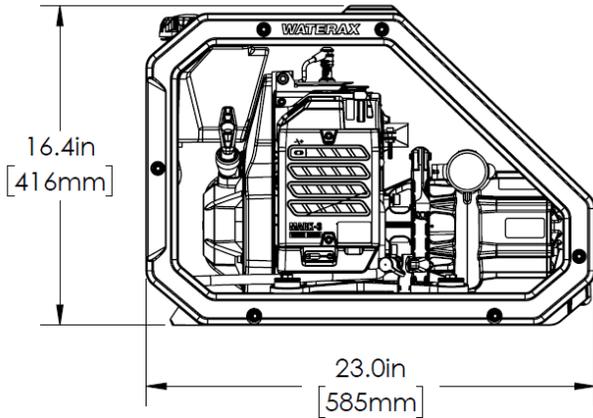
**Length** 23"  
(58.5 cm)

**Width** 13.5"  
(34.2 cm)

**Height** 16.4"  
(41.6 cm)

**Dry weight** 53.2 lbs  
(24.1 kg)

**Wet weight** 59.6 lbs  
(27 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](#).