



MK3-EWS

DATA SHEET

MARK-3® Essential with Integrated Fuel Tank

The MK3-EWS delivers the trusted high-pressure performance of the MARK-3® platform with the simplicity and durability of a fully mechanical system. Designed for crews who need a dependable, no-nonsense pump, it features an integrated 1 US gallon (3.8 L) fuel tank that delivers 45 minutes of uninterrupted runtime—ideal for rapid deployment, sustained operations, and field conditions where refueling interruptions are not an option.

Built for versatility, this pump excels as a primary, auxiliary, or industrial-use pump. Its compact format, rugged components, and tool-free operation make it an excellent fit for wildland crews, remote worksites, forestry operations, and emergency water movement tasks.

No LEDs, no Bluetooth, no USB-C, no connected diagnostics — pure mechanical reliability.

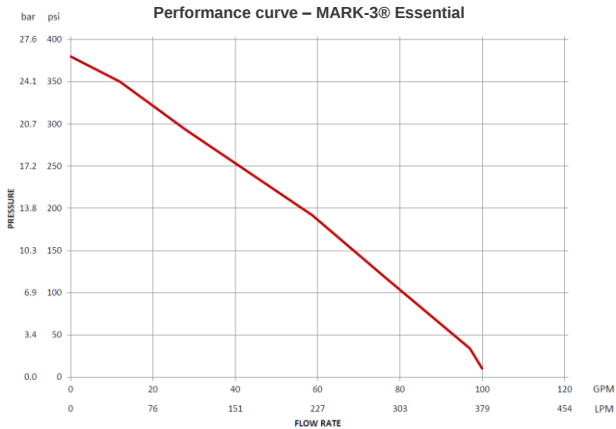
Applications

- 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.
- Unique blister resistant mechanical rotary seal to prolong pump end longevity.
- 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.
- Optional backpack straps available.

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: WATERAX 140cc – 10.7 HP

Engine Specifications

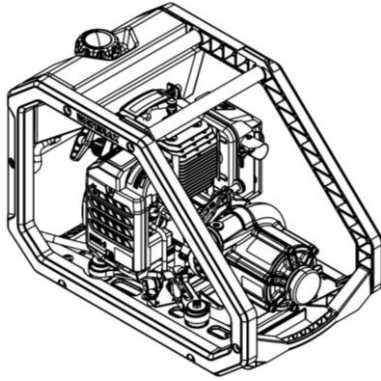
Model & Type	WATERAX 140cc, 2-cycle, air-cooled, Nikasil® coated Engine
Net Power	10.7 HP (8 kW) @ 8000 RPM
Net Torque	7.6 lb-ft (10 Nm) @ 7050 RPM
Fuel Tank	<u>Standard:</u> - Integrated fuel tank: 1 US Gallon (~40 minutes run time) - Remote fuel tank: 3-way valve w/ SAE 45 or Mercury QC
Fuel Type	Gasoline: Unleaded 87 octane automotive gasoline (maximum 10% ethanol) Oil: 2-cycle mixing oil with API-TC, JASO FD and ISO-L-EGD certification (Amsoil Saber® Professional Synthetic)
Fuel Consumption	At maximum throttle: 1.5 US gal/hr (5.7L/hr)
Air Intake System	Air filter: Foam, oiled <u>Standard:</u> Ember separator: USFS FS-5100-1 approved
Exhaust System	Muffler: Stainless steel – painted black Muffler heat shield: Stainless steel – painted black – replaceable <u>Standard:</u> Spark arrestor: USFS FS-5100-1 approved
Oil Type (API Classification)	API-TC, JASO FD, ISO-L-EGD certification

Pump Specifications

Type	Detachable, 4-Stage, centrifugal, high-pressure, anodized aluminium, corrosion-resistant composite components (patent pending)
Color	Red
Pump Clamp	Quick-release lightweight pump clamp
Coupling	Reinforced flexible gear coupling sleeve
Bearings	Maintenance Free; 15 mm double row sealed bearing
Intake	2" Male NPSH
Discharge	1.5" Male NPSH
Carry Frame	<u>Standard:</u> Wrap-around
Backpack Straps	<u>Standard:</u> Padded straps with military grade quick release system
Starting System	Recoil starter: mechanical rewind starter
	Backup starting capability: manual rope starter backup
Fuel System	Carburetor: Zama® diaphragm carburetor with integrated fuel pump and stand-alone purge bulb
User Interface Module	<u>Standard:</u> OFF button with four daylight visible LEDs

TECHNICAL DRAWINGS

MK3-EWS



Length 23"
(58.5 cm)

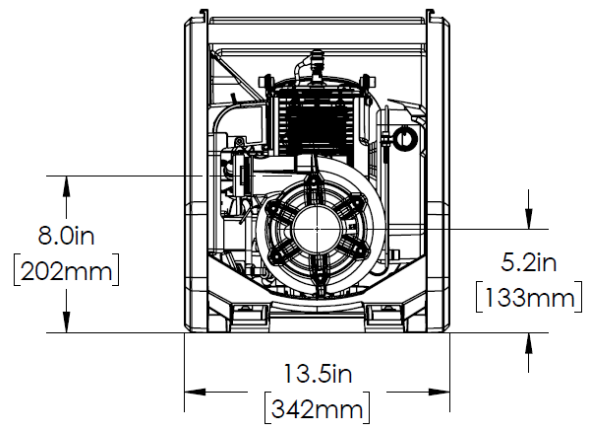
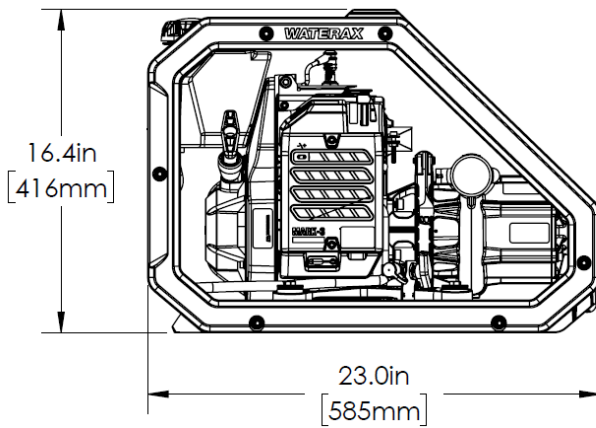
Width 13.5"
(34.2 cm)

Height 16.4"
(41.6 cm)

Weight

Dry: 53.5 lbs
(24.3 kg)

Wet: 59.5 lbs
(27 kg)



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.

WATERAX INC.

6635 Henri-Bourassa W.
Montreal, QC H4R 1E1

T 514 637-1818

F 514 637-3985

TF 1 855 616-1818

info@waterax.com

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](#).