

**WATERAX**   
WE MOVE WATER

# MINI-MARK® Watson Edition

2-Stroke Lightweight  
High-Pressure Pump



# Innovative Solutions for Wildland Firefighters

The **MINI-MARK® Watson Edition** lightweight high-pressure pump is here, seamlessly blending the legacy of its predecessor with cutting-edge technology to meet the demands of today's wildland firefighters. This new lightweight high-pressure pump model pays tribute to the original **MINI-MARK®** from the 1990s, known for its lightweight design and reliable performance in initial attack fires. Equipped with a powerful 2.3 hp (1.72 kW) 2-stroke engine and a single-stage pump end, the **MINI-MARK® Watson Edition** delivers impressive pressures of up to 85 PSI (6 bar) and a maximum flow rate of 102 US GPM (386 L/Min), ensuring an invaluable asset in firefighting operations.

Designed for versatility and portability, the **MINI-MARK® Watson Edition** lightweight pump excels in various applications, including initial attack firefighting, structure protection, sprinkler operations, and tandem pumping over long distances. Its compact size and backpackable design enable firefighters to easily transport it to remote locations, ensuring they have the necessary resources at their fingertips during critical moments. This innovative pump features an electronic overspeed cutout switch, safeguarding against engine and pump damage during loss of prime conditions, while its anodized aluminum components enhance durability. With the **MINI-MARK® Watson Edition**, **WATERAX** continues its commitment to providing wildland firefighters with high-performance tools that empower them to protect communities and ecosystems effectively, all while embracing modern firefighting demands.

Once again, this evolution marks a new chapter for **WATERAX**, focusing on reliable and efficient fire-fighting solutions.





## Applications

- Initial attack firefighting
- Structure protection
- Sprinkler operations
- Tandem pumping over long distances

## Features and benefits

- Portable, lightweight and compact
- Anodized aluminum alloy pump components
- Composite corrosion-resistant impeller
- Electronic overspeed cutout switch
- Multiposition - capable of running at any angle
- Optimal Operating Point: 50 GPM @ 50 PSI (189 LPM @ 3.4 bar)
- Integrated, ergonomic carry handle
- Detachable pump end
- Throttle with detents to avoid throttle drift
- Centrifugal clutch feature

### Optional external fuel tank connection kit available

- Integral fuel tank autonomy of one hour
- External fuel tank autonomy of 20 hours

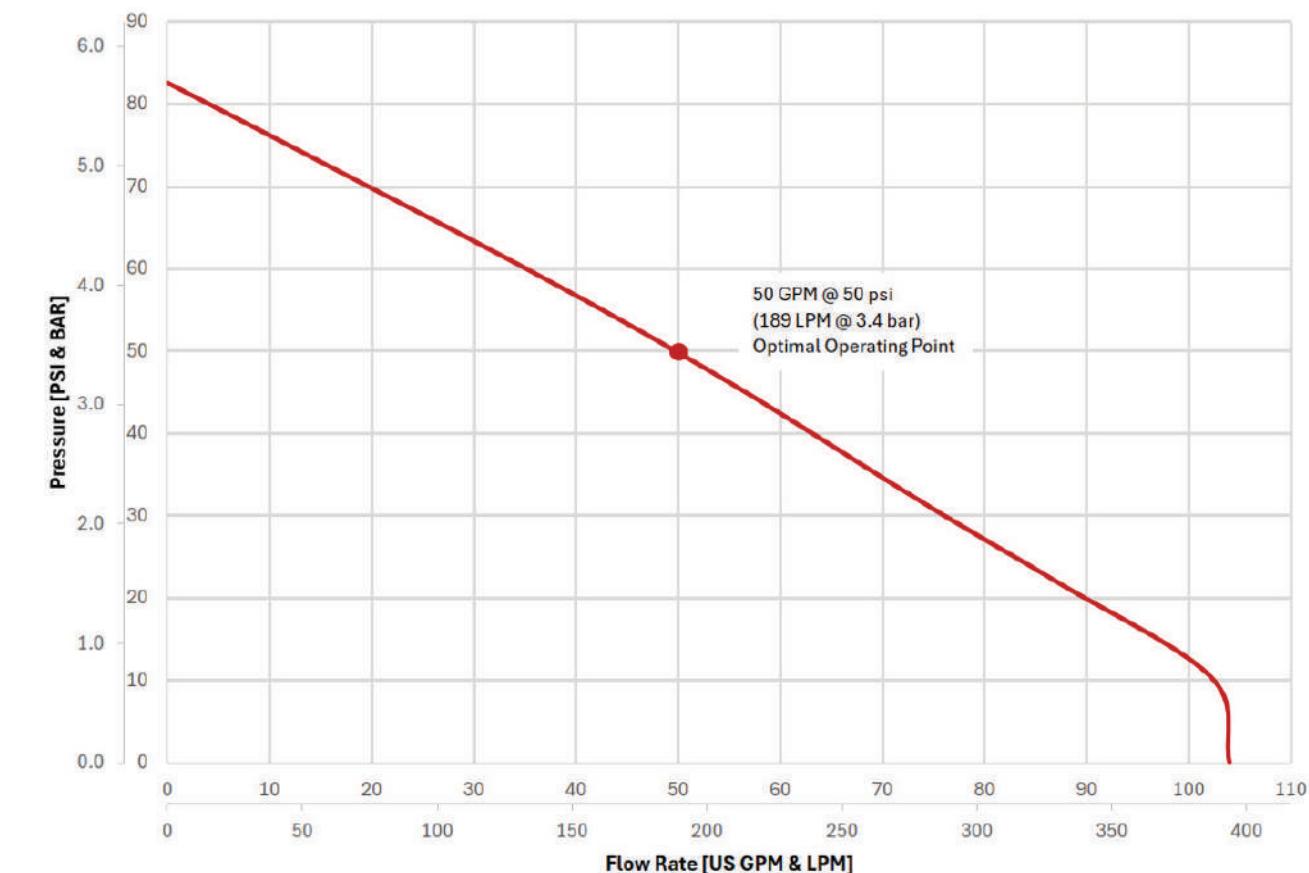
## Specifications

### Flow rate at specified pressure

- Maximum pressure: 85 PSI (6 bar)
- Free Flow: 102 US gals/min (386 L/min)
- Maximum Head: 196' (60 m)

| MINI-MARK® Watson Edition |       |          |     |
|---------------------------|-------|----------|-----|
| Flow                      |       | Pressure |     |
| US GPM                    | L/min | PSI      | Bar |
| 66                        | 250   | @ 25     | 1.7 |
| 50                        | 189   | @ 50     | 3.4 |
| 31                        | 117   | @ 75     | 5.2 |

## MINI-MARK® flow rate at specified pressure



# Technical Specifications

| ENGINE SPECIFICATIONS |   | PUMP SPECIFICATIONS        |  |
|-----------------------|---|----------------------------|--|
| MAXIMUM POWER         | 2.3 hp (1.72 kW) @ 7,000 RPM  | TYPE                       | Single-stage, centrifugal pump                       |
| MAXIMUM TORQUE        | 2.1 lb-ft (2.84 Nm) @ 4,000 RPM   | DRIVE                      | Centrifugal clutch                                   |
| DISPLACEMENT          | 49.9 cc (3.05 cu in)  | MAXIMUM ALLOWABLE PRESSURE | 200 PSI (13.8 bar)                                   |
| STARTING SYSTEM       | Recoil starter  | MAXIMUM PRESSURE           | 85 PSI (6 bar)                                       |
| IGNITION              | Capacitive discharge ignition (CDI)   | MAXIMUM FLOW               | 102 GPM (386 lpm)                                    |
| AIR CLEANER           | Semi dry type   | INTAKE                     | 2" (51 mm) NPSH                                      |
| CARBURETOR            | Diaphragm type with integrated purge bulb   | DISCHARGE                  | 1-1/2" (38 mm) NPSH                                  |
| LUBRICATION           | Fuel mix ratio: 50:1 (gasoline to oil)  | VOLUTE AND SUCTION COVER   | Foam compatible, lightweight anodized aluminum alloy |
| FUEL TYPE             | Gasoline: 87 octane automotive gasoline (maximum 10% ethanol). Oil: 2-cycle mixing oil with API-TC, JASO FD and ISO-L-EGD certification | IMPELLER                   | Composite corrosion resistant                        |
| FUEL TANK CAPACITY    | 0.26 US gal (1 L)   | SEAL                       | Mechanical rotary seal                               |
| FUEL CONNECTOR        | Optional kit: Three-way valve, SAE 45° connection for external fuel tank  | PUMP SHAFT                 | Stainless steel                                      |
| FUEL CONSUMPTION      | 0.24 US gals/hr (0.91 L/hr)   | CONTROLS                   | Push OFF button with electronic overspeed cutoff     |
|                       |   | THROTTLE                   | With detents to avoid throttle drift                 |

## MINI-MARK® Watson Edition



12"  
305 mm



13 1/8"  
333 mm

12 3/4"  
324 mm

• Weight: 18.5 lbs (8.4 kg)



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