

STR4-DY10 DIESEL PORTABLE



DATA SHEET

HIGH-PRESSURE 4-STAGE FIRE PUMP

The **WATERAX STRIKER-4-DIESEL PORTABLE** combines a reliable YANMAR L100 diesel engine, producing 9.3 hp (6.8 kW), with the innovative, lightweight and highly efficient MARK-3® 4-stage pump end to deliver exceptional performance. The unit achieves pressures of up to 310 PSI (21.4 BAR) and flow rates reaching 112 US GPM (424 LPM). It produces an impressive 85 US GPM (322 LPM) at 100 psi (6.9 BAR).

Strong enough to operate as a source pump for tandem and parallel pumping, it is also optimal for direct attack firefighting, remote watering, and sprinkler systems.

The **WATERAX** quick release clamp provided on the pump lets you replace a damaged pump end in the field with minimal equipment downtime. The 4-stage pump end is identical to the pump end on the **MARK-3® Watson Edition** unit, which greatly reduces your spare parts inventory and improves your ability to respond to unforeseen equipment damage.

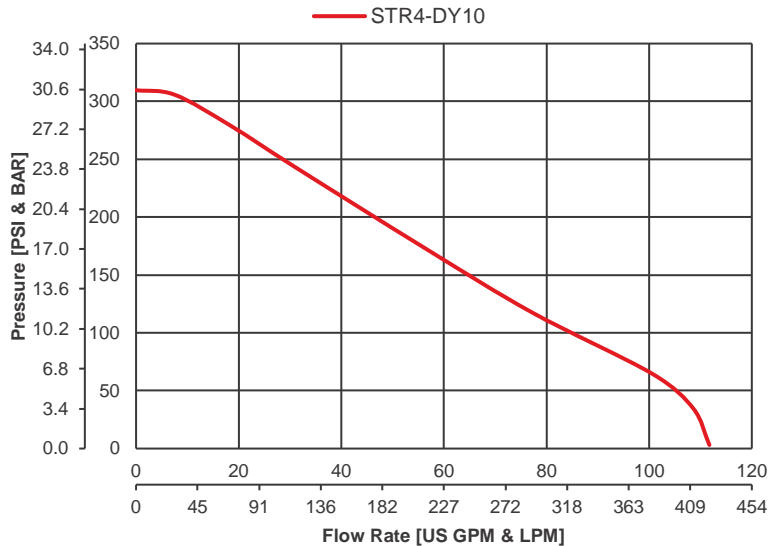
Applications

- Attack line firefighting
- Long hose lay for remote watering during firefighting operations
- High elevation firefighting in mountainous areas
- Accuracy in flow trajectory when structure fire fighting
- Tandem pumping over long distances
- Parallel pumping for higher volumes

Features and Benefits

- Quick release clamp and swappable pump ends for minimal equipment downtime and inventory
- Belt drive system for reliable, low maintenance performance
- Aluminum alloy volute and suction cover for light weight and greater resistance to corrosion
- Composite corrosion-resistant pump components
- Sealed bearing to eliminate pump end greasing in the field
- Low oil pressure switch included
- Integral Fuel Tank
- Engine Mount Control Panel with Vernier Throttle.
- EPA & CARB exhaust emission compliant
- Application matched and approved by YANMAR

SPECIFICATIONS



Flow rate at specified pressure

Maximum pressure: 310 PSI (21.4 bar)

Free Flow: 112 US gals/min (424 L/min)

Maximum head: 716' (218 m)

Flow Rate			Pressure	
US GPM	(LPM)	@	PSI	(BAR)
85	(322)	@	100	(6.9)
65	(246)	@	150	(10.3)
28	(106)	@	250	(17.2)

Engine: Yanmar L100 – 9.3 HP



Engine Specifications

Model & Type	Yanmar L100 4-Stroke, single cylinder & air cooled.
Maximum power	9.3 hp (6.8 kW) @ 3,600 rpm
Maximum torque	18.3 lb-ft (24.8 Nm) @ 2,000 rpm
Bore & Stroke	3.39 x 2.95 inches (86 x 75 mm)
Displacement	435 cc (26.5 cu in)
Compression Ratio	19:1
Cooling	Air cooled
Governor	Mechanical
Starting system	Recoil starter and electric start
Ignition	Compression ignition system
Lubrication	Forced lubricating system Engine oil meeting or exceeding SAE 10W-30, API CJ-4, ACEA E6 or JASO DH-2
Oil Capacity	1.7 quarts (1.6 liters)
Battery Capacity	12 Volt, 36 Amp-Hour or equivalent
Fuel type	Diesel
Fuel tank capacity	1.43 US gal (5.4 L)
Fuel consumption	0.57 US gals/hr (2.2 L/hr)

Pump Specifications

Type	4-stage, centrifugal pump
Drive	Reinforced flexible gear coupling
Maximum allowable pressure	600 PSI (41.4 bar)
Maximum pressure	310 PSI (21.4 bar)
Maximum flow	112 GPM (424 lpm)
Intake	2" (51 mm) NPSH
Discharge	1-1/2" (38 mm) NPSH
Volute and suction cover	Foam compatible, lightweight anodized aluminum alloy
Impeller	Composite corrosion resistant
Seal	Balanced elastomeric bellows and silicon carbide mechanical rotary seal
Seal Bearing	Balanced elastomeric bellows and silicon carbide mechanical rotary seal Maintenance-free 15 mm double row sealed bearing
Pump shaft	Stainless steel

SPECIFICATIONS

Primer Specifications

Hand Primer	Guzzler, Diaphragm Type; Reliable, Lightweight and Rugged
Intake and Discharge Port Size	½" 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 foot valve]
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

Frame Specifications

Color	Black
Finish	Powder Coat
Handles	Tubular U-shaped integrated into the base frame

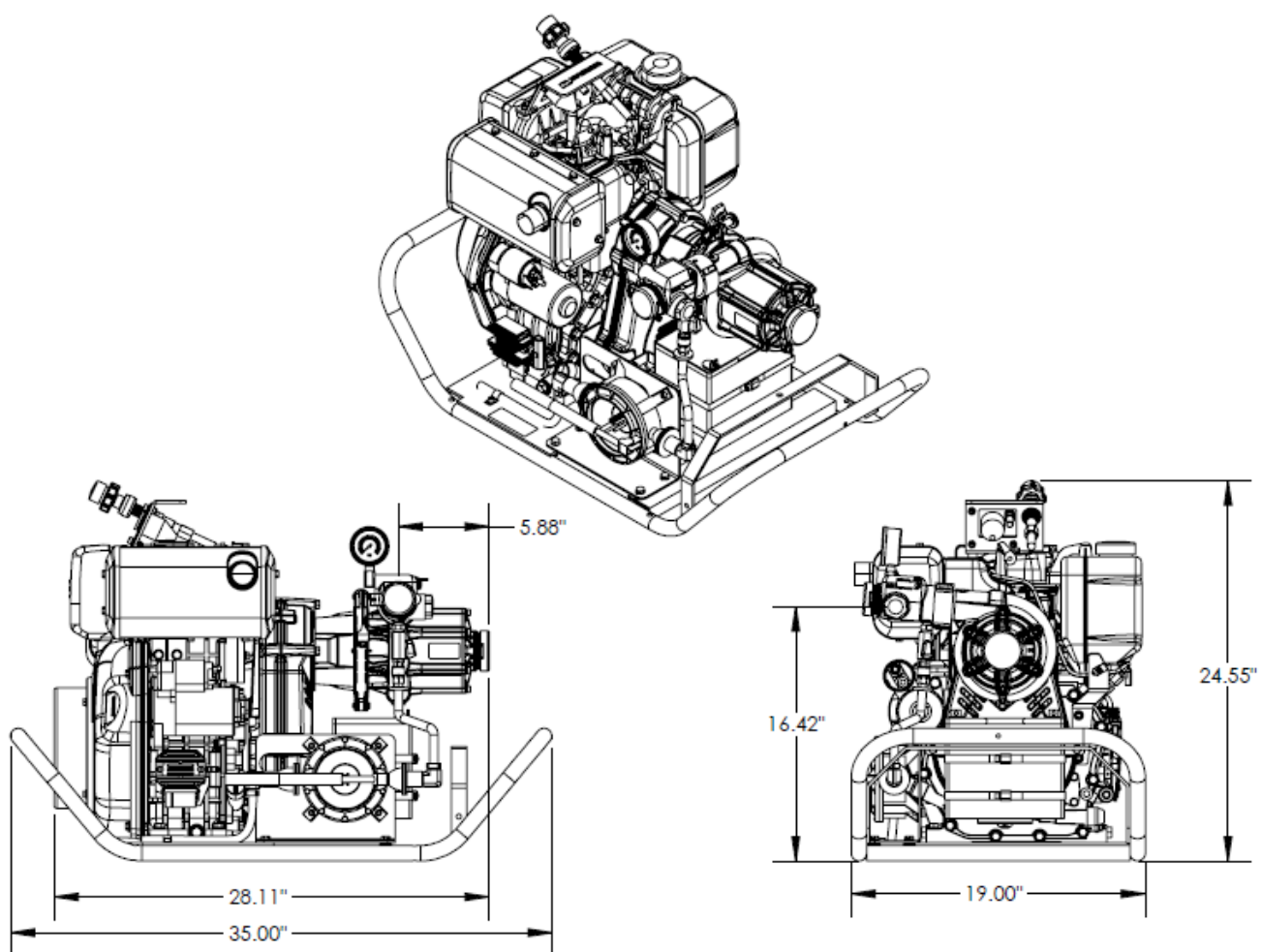
Controls Specifications

Engine Mount Control Panel	
Start/Stop:	Turn-key rotary switch
Throttle:	Vernier with red push button emergency throttle idle
Low Oil Pressure Warning:	Red LED

Discharge Gauge Specifications

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

TECHNICAL DRAWINGS



Length 35.00" (88.8 cm)

Width 19.00" (48.3 cm)

Height 24.55" (62.4 cm)

Weight 206 lbs (93.4 kg)

WATERAX

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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](#).