

GL1 Series Pump Package

Pioneer Prime Diesel-Driven Centrifugal Pump

PP43075L71-KDW1003

The Pioneer Pump® GL Series Pump Packages move large volumes of water in nearly any rugged industrial, municipal, agricultural, mining, dewatering, or rental application. This robust, diesel-driven pump package features the PP43075 solids-handling pump which passes up to 1 5/8-inch solids and reaches a maximum flow of 540 gpm and a max head of 130 feet. The GL1 extends the GL Series towable diesel pump range down to 15 hp for smaller-scale applications.



PUMP SPECIFICATIONS

Size	4" x 3" (100 x 75 mm)
Max Flow	540 gpm (123 m ³ /h)
Max Head	133 feet (41 meters)
Solids Size	1.63" (41 mm)
Max Speed	2800 rpm
Best Efficiency	58%

ENGINE SPECIFICATIONS

Engine Type	Kohler KDW1003
Displacement	1.0 l
Fuel Consumption	1.09 gph @ 1800 rpm (full load)
Continuous HP	15.5 hp @ 1800 rpm
Nameplate HP	22.9 hp intermittent @ 3600 rpm
Safety Features	Low oil press., high temp., v-belt failure

PRIME VAC-ASSIST PRIMING SYSTEM

Priming System	Mechanically driven vacuum pump
Air Removal Cap.	50 cfm
Priming Chamber	Air separation PosiValve™ w/SS components
Discharge Check Valve	Ductile iron body; swing flex nitrile rubber flapper
Run Dry System	Oil reservoir for mechanical seal; indefinite run-dry capability

FEATURES

- Compact size ideal for construction sites and other general dewatering needs
- Fully modular base and mounting components for convenient service and maintenance
- On-road towable trailer for easy mobility and transport between jobs
- Environmentally safe vac-assist priming system with PosiValve™ evacuates air
- Indefinite run-dry mechanical seal for a more hands free and self-sustaining operation

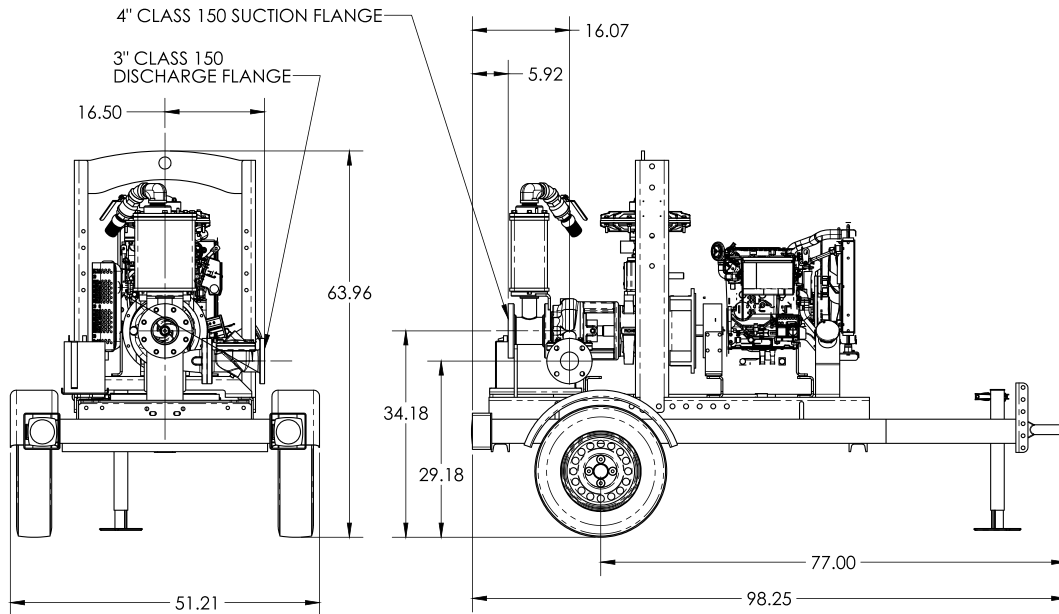
SPECIFICATIONS

Control Panel	Kohler standard instrument panel
Fuel Capacity	25 U.S. gallons
Runtime (hours)	23 hours (full load @ 1800 rpm)
Trailer	3.5k axle, safety chains, front jack, lights, lunette eye
Adder Options	Auto-start fitted panel

MATERIALS OF CONSTRUCTION

Material	Standard Construction
Impeller	CA6NM SS
Shaft	17-4 PH
Wear Ring(s)	Cast Iron
Suction Cover	Ductile Iron
Volute	Ductile Iron
Brac-Plate/Bracket	Ductile Iron
Mechanical Seal	Tungsten vs. Silicon Carbide
O-rings	FKM

MECHANICAL DIMENSIONS



PERFORMANCE CURVE

Model: PP43075

Impeller Dia: 7"

Solids Size: 1.63"

Curve #PP43075-VS-7

