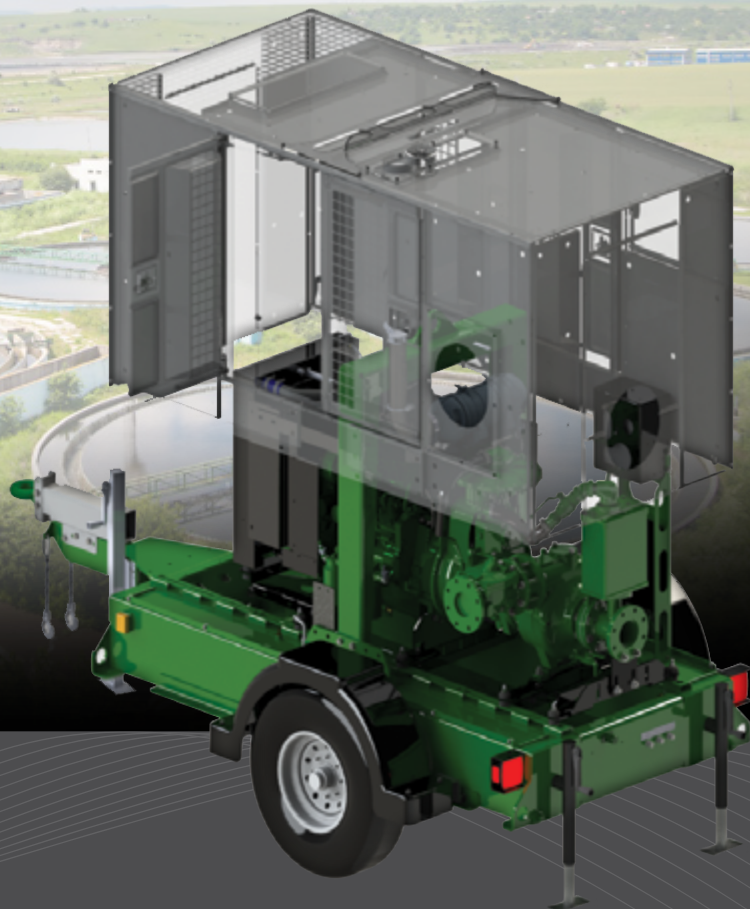


UP SERIES DIESEL PUMP PACKAGES

VERSATILE
DEPENDABLE
DURABLE



INTRODUCING THE UNIVERSAL PLATFORM

UP SERIES DIESEL PUMP PACKAGES

The UP Series of diesel package pumps is a platform based on standard package sizes that can be configured with various engines, pumps, trailer option and enclosure options. Designed for maximum configurability, the UP series options can be included in the original product order or added as needed at a later date. The enclosure is designed to be easily removed, making easy access to the entire assembly, reducing service time.

Flat-packed, bolt-on enclosure kits

Enclosure-ready skid

Sound Attenuated to 68 dBa @ 7 meters

Designed for enclosure installation

Bolt-on trailer kit options



Vibration isolation



Built-in pump case/engine oil coolant drains



Heavy-duty TPO doors



Sliding panel door



Fully powder coated

External spool connections on enclosed units

CURRENT MODELS

Model	Engine	HP Range	Package Size	Flow Range	Head Range	Engine Tier
PP44S10L71-D2.9L	Deutz D2.9L	36-75	UP2	1600 US gpm	150 Feet	Tier 4
PP44S10L71-404D-22T	Perkins 404D-22T	40-75	UP2	1600 US gpm	150 Feet	Interim Tier 4
PP66S12L71-TD2.9L	Deutz TD2.9L	40-75	UP2	3200 US gpm	130 Feet	Tier 4
PP66S12L71-4045TF290	John Deere 4045TF290	40-75	UP2	3200 US gpm	130 Feet	Interim Tier 4
PP66S12L71-1104D-44T	Perkins 1104D-44T	40-75	UP2	3200 US gpm	130 Feet	Tier 3
PP88S12L71-4045HF285	John Deere 4045HF285	75-150	UP3	4500 US gpm	200 Feet	Tier 3

OPTIONS & ACCESSORIES

To configure the UP Series packages, select a base model of pump and engine. Then select from trailer and enclosure kits and accessories. The UP Series platform allows for either trailer or enclosure kits to be added later with minimal assembly or service time.

TRAILER KIT

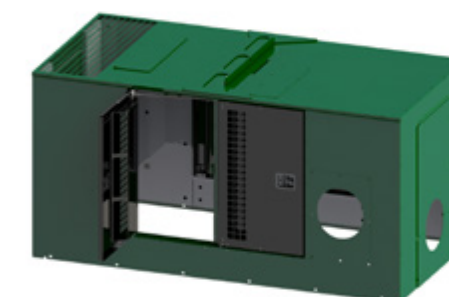
There are three options for trailer packages;

- Off-road
Idler Axle, No Lights, No VIN
- On-road with surge brakes
Fenders, DOT ready, VIN
- On-road with electric brakes
Fenders, DOT ready, VIN



ENCLOSURE KITS

- **Weather enclosure**
Protect the engine and pump from wind and weather with this Powder coated, 5052-H32 Aluminum enclosure
- **Sound attenuated enclosure**
Powder coated, 5052-H32 Aluminum enclosure with adhesive-backed acoustical foam
- **Premium sound attenuated enclosure**
All of the structural features of the standard sound attenuated enclosure with added mechanical support from 1" thick mineral wool with galvanized perforated steel retention mesh



CONTROL PANEL OPTION

For applications where auto start-stop are a requirement, we offer the Lofa 750 control panel as an option.



ACCESSORIES

Spare tire carrier	Bolts to side of tongue
Toolbox	Bolts on top of tongue
Interior lights	LED 12V lights
Skid tubes	Bolt-on; allows for easy forklift access
Solar charger	2W-12V trickle charges battery

MATERIALS OF CONSTRUCTION, PRIMING SYSTEMS AND OTHER PUMPS SPECS BELOW APPLY TO ALL OF THE UP SERIES PACKAGES

CONSTRUCTION

Heavy-duty ductile iron body construction and stainless steel impellers ensure a long pump life. Over-sized shafts and bearings provide increase pump life and reduced overall cost of ownership.

CONSTRUCTION MATERIALS

	Standard Construction	Optional Construction
Shaft	17-4 PH Stainless Steel	17-4 PH Stainless Steel
Impeller	CA6NM Stainless Steel	CD4MCu Stainless Steel
Volute	Ductile Iron ASTM A536 65-45-12	CD4MCu Stainless Steel
Wear Ring	ASTM A48 Class 40 Gray Iron	316 Stainless Steel
Suction Cover	Ductile Iron ASTM A536 65-45-12	CD4MCuStainless Steel
Brac-plate	Ductile Iron ASTM A536 65-45-12	CD4MCu Stainless Steel

UltraPrime™ Priming System

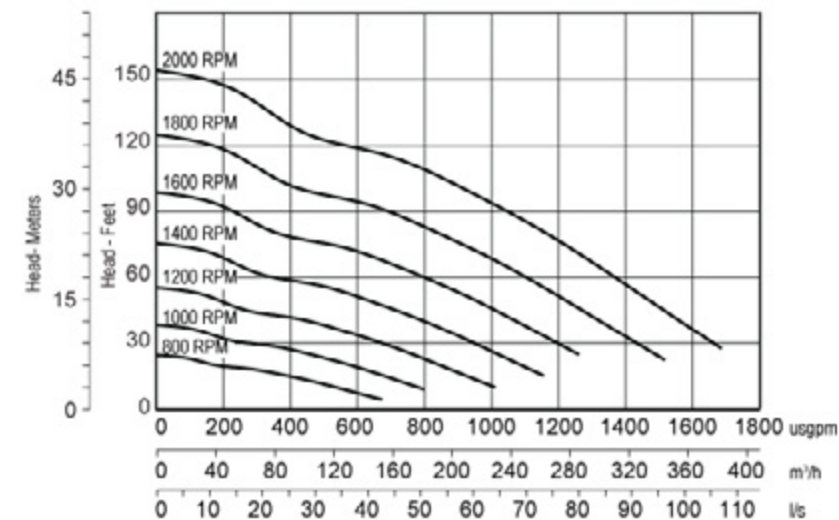
Priming System	Mechanically Driven Diaphragm Style Vacuum Pump
Air Removal Capability	50 CFM
Priming Chamber	Single chamber with positive sealing air separation PosiValve™ with stainless steel float ball & linkage.
Discharge Check Valve	Swing Style - ductile iron with Buna-n Disc

OTHER SPECIFICATIONS

Mechanical Seal	Single seal w/ tungsten carbide vs. silicon carbide seal faces, Viton® elastomers, 300 series stainless steel hardware and spring, designed for indefinite dry running
Pump End Bearing	Single Roller
Drive End Bearing	Double Row Angular Contact
Shaft	17-4 PH Stainless Steel



4 X 4 inch pump packages



PP44S10L71-D2.9L

PUMP SPECIFICATIONS

Pump Model	PP44S10L71	
Pump Size	4 x 4 inches	100 x 100 mm
Max Flow	1,600 USgpm	370 m³/h
Max Head	150 feet	50 metres
Solids Size	3 inches	76 mm

ENGINE SPECIFICATIONS

Engine Type	Deutz D2.9L 4 Cylinder Diesel, Final Tier 4	
Displacement	177 Cu. In. (2.9 L)	
Fuel Tank, Typical	110 US Gal (416.4 L)	
Fuel Consumption	1.95 GPH (7.38 L/H)	
Continuous Horsepower	36 HP @ 1800 RPM	
Operating Time	56 Hours	
Safety Shut Down Switches	Low Oil Pressure, High Temperature and V-Belt Failure	
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer	

All Sound Attenuated models test to 68 dBa at 7 meters.

PP44S10L71-404D-22T

PUMP SPECIFICATIONS

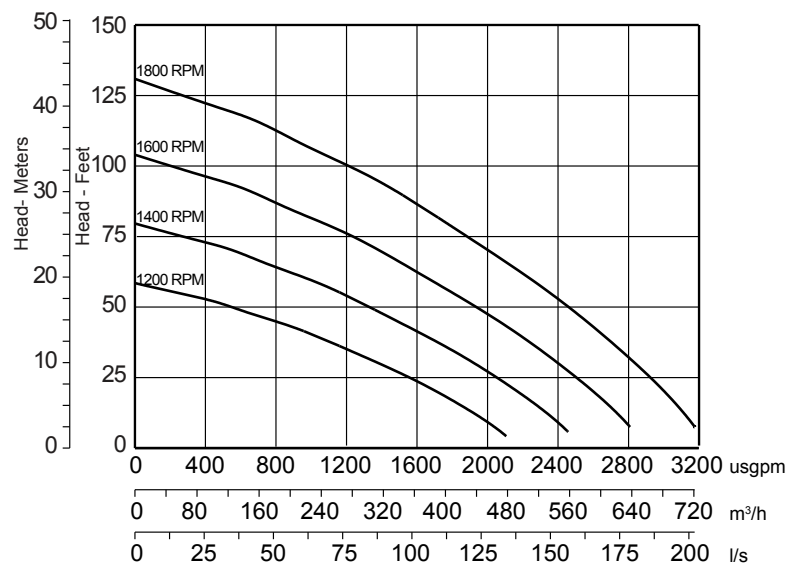
Pump Model	PP44S10L71	
Pump Size	4 x 4 inches	100 x 100 mm
Max Flow	1,600 USgpm	370 m³/h
Max Head	150 feet	50 metres
Solids Size	3 inches	76 mm

ENGINE SPECIFICATIONS

Engine Type	Perkins 404D-22T 4 Cylinder Diesel, Interim Tier 4	
Displacement	135 Cu. In. (2.2 L)	
Fuel Tank, Typical	110 US Gal (416.4 L)	
Fuel Consumption	2.6 GPH (9.84 L/H)	
Continuous Horsepower	41 HP @ 1800 RPM	
Operating Time	41 Hours	
Safety Shut Down Switches	Low Oil Pressure, High Temperature and V-Belt Failure	
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer	



6 X 6 inch pump packages



PP66S12L71-4045HF290

PUMP SPECIFICATIONS

Pump Model	PP66S12L71	
Pump Size	6 x 6 inches	150 x 150 mm
Max Flow	3,200 USgpm	730 m³/h
Max Head	130 feet	40 metres
Solids Size	3 inches	76 mm

ENGINE SPECIFICATIONS

Engine Type	John Deere 4045HF290 4 Cylinder Diesel, Interim Tier 4	
Displacement	275 Cu. In. (4.5 L)	
Fuel Tank, Typical	110 US Gal (416.4 L)	
Fuel Consumption	4.46 GPH (16.9 L/H)	
Continuous Horsepower	60 HP @ 1800 RPM	
Operating Time	24 Hours	
Safety Shut Down Switches	Low Oil Pressure, High Temperature and V-Belt Failure	
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer	

PP66S12L71-TD2.9L

PUMP SPECIFICATIONS

Pump Model	PP66S12L71	
Pump Size	6 x 6 inches	150 x 150 mm
Max Flow	3,200 USgpm	730 m³/h
Max Head	130 feet	40 metres
Solids Size	3 inches	76 mm

ENGINE SPECIFICATIONS

Engine Type	Deutz TD2.9L 4 Cylinder Diesel, Final Tier 4	
Displacement	177 Cu. In. (2.9 L)	
Fuel Tank, Typical	110 US Gal (416.4 L)	
Fuel Consumption	3.67 GPH (13.9 L/H)	
Continuous Horsepower	58 HP @ 1800 RPM	
Operating Time	30 Hours	
Safety Shut Down Switches	Low Oil Pressure, High Temperature and V-Belt Failure	
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer	

PP66S12L71-1104D-44T

PUMP SPECIFICATIONS

Pump Model	PP66S12L71	
Pump Size	6 x 6 inches	150 x 150 mm
Max Flow	3,200 USgpm	730 m³/h
Max Head	130 feet	40 metres
Solids Size	3 inches	76 mm

ENGINE SPECIFICATIONS

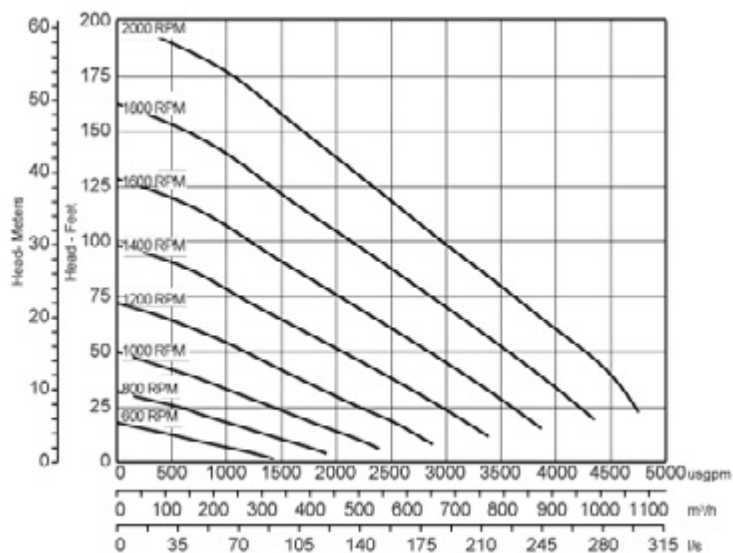
Engine Type	Perkins 1104D-44T 4 Cylinder Diesel, Tier 3	
Displacement	269 Cu. In. (4.4 L)	
Fuel Tank, Typical	110 US Gal (416.4 L)	
Fuel Consumption	4.91 GPH (18.5 L/H)	
Continuous Horsepower	68 HP @ 1800 RPM	
Operating Time	22 Hours	
Safety Shut Down Switches	Low Oil Pressure, High Temperature and V-Belt Failure	
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer	

All Sound Attenuated models test to 68 dBA at 7 meters.

Patent Pending



8 X 8 inch pump package



PP88S12L71-4045HF285

PUMP SPECIFICATIONS

Pump Model	PP88S12L71	
Pump Size	8 x 8 inches	200 x 200 mm
Max Flow	4,500 USgpm	1040 m³/h
Max Head	200 feet	60 metres
Solids Size	3 inches	76 mm

ENGINE SPECIFICATIONS

Engine Type	John Deere 4045HF285 4 Cylinder Diesel	
Displacement	275 Cu. In. (4.5 L)	
Fuel Tank, Typical	135 US Gal (511.0 L)	
Fuel Consumption	6.12 GPH (23.2 L/H)	
Continuous Horsepower	109 HP @ 1800 RPM	
Operating Time	22 Hours	
Safety Shut Down Switches	Low Oil Pressure, High Temperature and V-Belt Failure	
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer	
Sound Attenuated version	68 dBA at 7 meters	

