

When it comes to quality and a reputation you can rely on for exceptional support and service, one name comes to mind: SUBARU.

Whether you're a contractor or homeowner/do-it-yourselfer, we offer a product built with quality and features to meet your demanding applications. With 13 models of pumps to choose from, including centrifugal, semi-trash, high-pressure, diaphragm and trash, we offer a product to meet any application need. But more than that, we ensure service and support that lasts long after the sale. Better yet, our reputation supports that claim! And with the engine and pump designed as a complete integral unit, you receive exceptional performance with synergy for a superior product covered by a single warranty.



Subaru Robin Engines

With more than 40 years of performance and quality second to none, Subaru Robin engines have earned a worldwide reputation for high quality performance and reliability. Here's what the Subaru name means to the market:



- *With less recoil pulling force, an electronic ignition system and automatic decompression, our engines offer easy starting every time.*
- *High power and torque, extended running time and high compression ratios ensure premium performance in a broad range of applications.*
- *Designed with cast-iron cylinder liners, high carbon steel crankshaft supported by steel ball bearings and an electronic low oil shut-off, Subaru engines are built to last.*
- *With a network of more than 4,500 Subaru dealers in North America and the support of a 2-Year Limited Warranty, the strength of the Subaru network remains long after the sale.*



Subaru is backed by a network of 4,500 service dealers in North America.

CENTRIFUGAL PUMPS



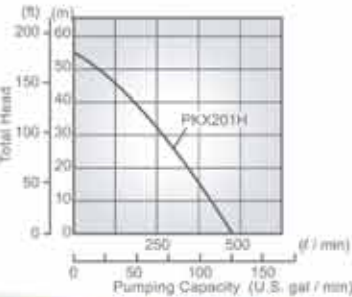
Whether you're irrigating your yard, draining a pool or pond or involved in construction after a rain, Subaru centrifugal pumps offer an economical yet very reliable method for moving water.

Powered by Subaru's industry leading 4-cycle engines, reliability is a given. Equipped with a self-priming mechanism for easy operation as well as a steel roll cage for protection, our pumps will withstand the rigors of any application. And with five models with varying volumes to choose from, we're confident homeowners and professionals alike will find a unit to match their needs.

PKX201H

Subaru High-Pressure Pump

For those applications requiring the movement of water over extended distances or heights, Subaru offers the PKX201H high-pressure pump. This high-performance design enables the transfer of lower volumes of water over a greater distance for applications such as sprinklers and firefighting support. The self-priming design ensures easy operation while the steel roll cage protects the pump from damage.



- 2-inch suction and discharge ports
- 127 gallons per minute maximum discharge capacity
- 81 psi maximum performance
- 6.0 hp overhead cam Subaru Robin engine with low oil shut-off system
- Cast iron impeller and volute
- Ceramic carbon mechanical seal for high durability



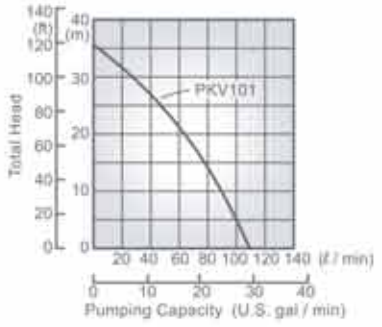
The lightest and most compact pump

PKV101



PKV101 Centrifugal Pump

- 1-inch suction and discharge ports
- 28 gallons per minute maximum discharge capacity
- Heavy-duty design features aluminum housing and impeller with a ceramic carbon mechanical seal; 11.7 pounds
- 1.1 hp Subaru Robin 4-cycle engine for low noise and easy starting

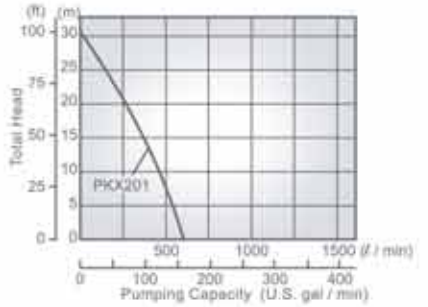


PKX201



PKX201 Centrifugal Pump

- 2-inch suction and discharge ports
- 158 gallons per minute maximum discharge capacity
- 4.5 hp overhead cam Subaru Robin engine with low oil shut-off system
- Cast iron impeller and volute
- Ceramic carbon mechanical seal for high durability

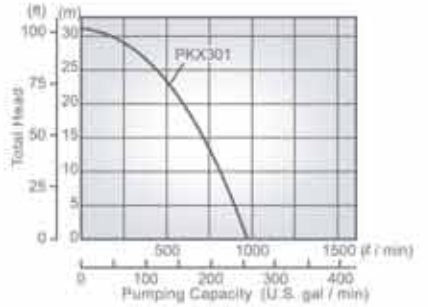


PKX301



PKX301 Centrifugal Pump

- 3-inch suction and discharge ports
- 256 gallons per minute maximum discharge capacity
- 6.0 hp overhead cam Subaru Robin engine with low oil shut-off system
- Cast iron impeller and volute
- Ceramic carbon mechanical seal for high durability

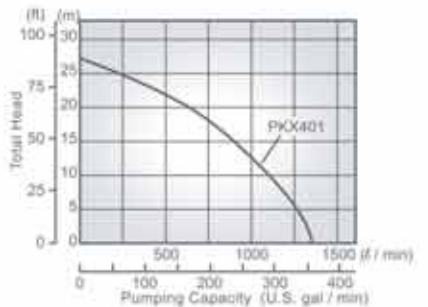


PKX401



PKX401 Centrifugal Pump

- 4-inch suction and discharge ports
- 356 gallons per minute maximum discharge capacity
- 9.0 hp overhead cam Subaru Robin engine with low oil shut-off system
- Cast iron impeller and volute
- Ceramic carbon mechanical seal for high durability



SEMI-TRASH PUMPS

For demanding water removal applications where the potential exists for small abrasive material to get into centrifugal pumps and cause premature wear, we offer a line of semi-trash pumps.

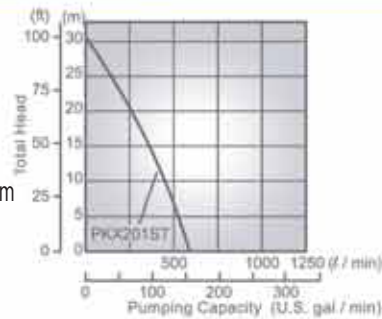
Made from the same durable material as our trash pumps, these pumps are ideally suited for applications where something more rugged than a centrifugal pump is required. Our semi-trash pumps allow use with light debris. They are constructed with a high-quality silicon-carbide mechanical seal for exceptional durability with a heavy-duty cast iron impeller. Aluminum die cast pump casing and steel roll cage protect the pump from damage.

PKX201ST



PKX201ST Semi-Trash Pump

- 2-inch suction and discharge ports
- 153 gallons per minute maximum discharge capacity
- 4.5 hp overhead cam Subaru Robin engine with low oil shut-off system
- Spheroidal graphite cast iron impeller and volute for long life
- Silicon carbide mechanical seal for high durability

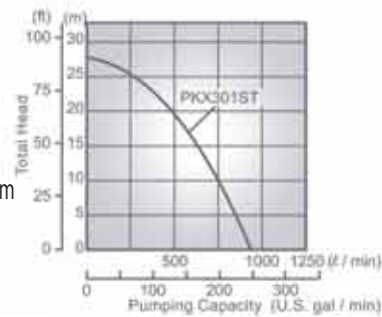


PKX301ST



PKX301ST Semi-Trash Pump

- 3-inch suction and discharge ports
- 246 gallons per minute maximum discharge capacity
- 6.0 hp overhead cam Subaru Robin engine with low oil shut-off system
- Spheroidal graphite cast iron impeller and volute for long life
- Silicon carbide mechanical seal for high durability



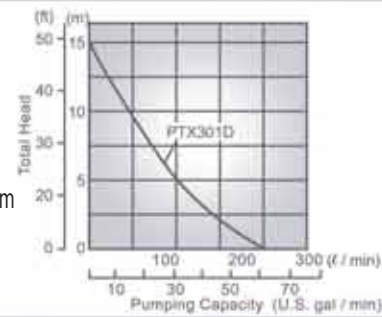
DIAPHRAGM PUMP

PTX301D



PTX301D Diaphragm Pump

- 3-inch suction and discharge ports
- 250 gallons per minute maximum discharge capacity
- 7.0 hp overhead cam Subaru Robin engine with low oil shut-off system
- Silicon carbide mechanical seal for high durability



TRASH PUMPS

A staple on any construction site, Subaru Robin trash pumps offer the durability and performance

to move high volumes of trash water, with a heavy-duty, user-friendly model available for any application. Featuring five models with pump capacities to 528 gallons per minute, two diesel trash pumps are available as well as three options with our world-class Subaru Robin overhead cam and overhead valve engines. With a high quality silicon-carbide mechanical seal and a steel roll cage to protect the unit, these pumps will withstand the most rigorous demands.

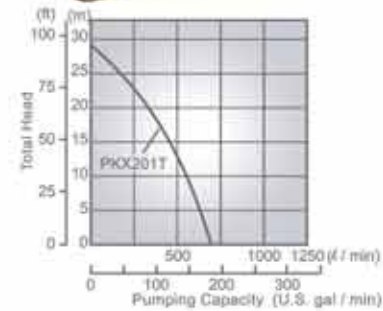


PKX201T



PKX201T Trash Pump

- 2-inch suction and discharge ports
- 185 gallons per minute maximum discharge capacity
- 6.0 hp overhead cam Subaru Robin engine with low oil shut-off system
- Quick clean out, easy-open cover

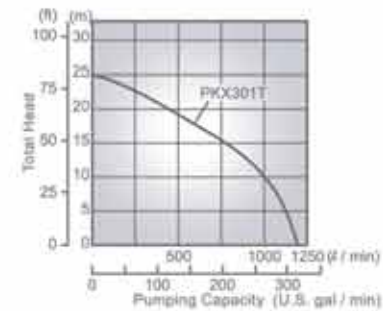


PKX301T



PKX301T Trash Pump

- 3-inch suction and discharge ports
- 314 gallons per minute maximum discharge capacity
- 9.0 hp overhead cam Subaru Robin engine with low oil shut-off system
- Quick clean out, easy-open cover

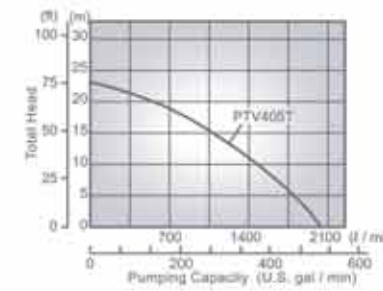


PTV405T



PTV405T Trash Pump

- 4-inch suction and discharge ports
- 528 gallons per minute maximum discharge capacity
- 11.0 hp overhead valve Subaru Robin engine with low oil shut-off system
- Quick clean out, easy-open cover

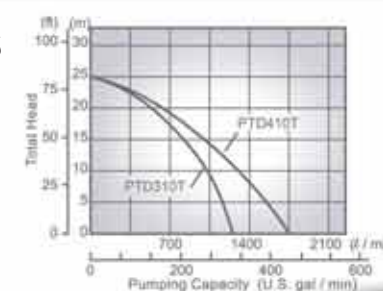


DIESEL



PTD310T, PTD410T Diesel Trash Pumps

- 3-inch and 4-inch suction and discharge ports
- 317 and 449 gallons per minute maximum discharge capacity
- Hatz 1B30 and Hatz 1B40 engines with low oil system
- Quick clean out, easy-open cover



*Model shown PTD410T

SUPERIOR DESIGN

MAXIMUM PERFORMANCE

CENTRIFUGAL PUMPS

TRASH PUMPS

OUTER PUMP HOUSING:
Lightweight die-cast aluminum pump housing provides strong durability against damaging debris.

IMPELLER: Abrasion-resistant, hardened cast iron impeller ensures a long service life.

ENGINE & FRAME: Steel tubular wraparound frame protects the pump, engine and all components from handling damage while offering easy storage.



VOLUTE: Hardened cast iron volute for long life and outstanding performance.

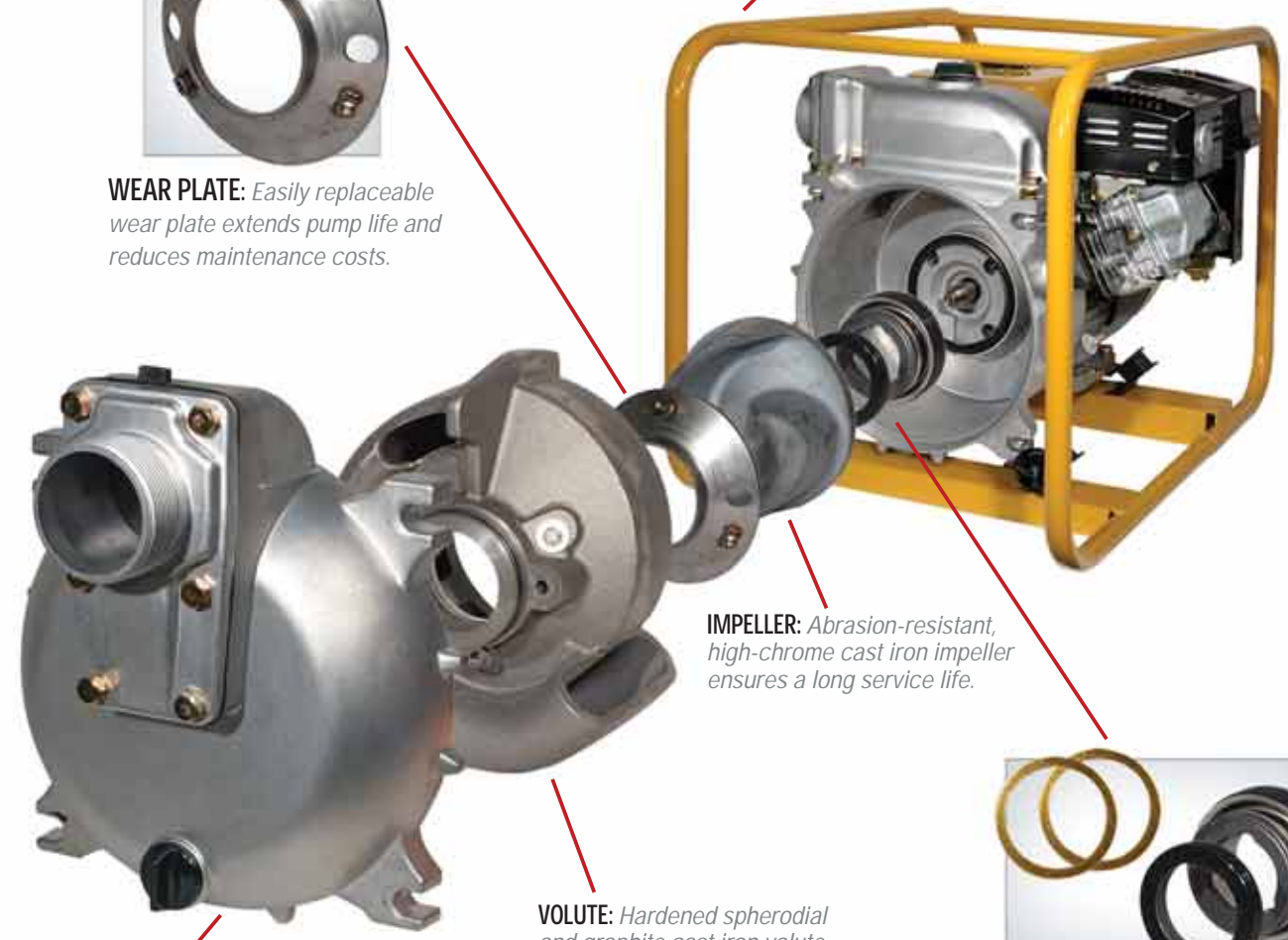


MECHANICAL SEAL:
Self-lubricating carbon ceramic mechanical seal provides durable and rugged construction for long unit life. Shim system on impeller allows for longer pump life.



WEAR PLATE: Easily replaceable wear plate extends pump life and reduces maintenance costs.

ENGINE & FRAME: Steel tubular wraparound frame protects the pump, engine and all components from handling damage while offering easy storage.



IMPELLER: Abrasion-resistant, high-chrome cast iron impeller ensures a long service life.



SHIMS & MECHANICAL SEAL:
Durable, self-lubricating silicon carbide mechanical seal provides stamina for tough applications. Easily replaceable shims offer maximum performance over the life of the pump.

VOLUTE: Hardened spheroidal and graphite cast iron volute withstands solid and abrasive debris for maximum service life.

OUTER PUMP HOUSING:
Heavy-duty die-cast aluminum housing with easy open cover for quick clean out.

Semi-Trash pumps feature enhanced volute and impeller to handle larger solids as well as the silicon carbide seal system to ensure durability in challenging applications.



MECHANICAL SEAL:
Heavy-duty, self-lubricating silicon carbide mechanical seal resists wear from abrasive debris while easily replaceable shims maximize performance over the life of the pump.



IMPELLER:
Abrasion-resistant hardened spheroidal and graphite cast iron impeller extends service life.



VOLUTE:
Hardened spheroidal and graphite cast iron volute provides extra durability even in abrasive applications.

SPECIFICATIONS

| PUMP TYPE | CENTRIFUGAL | | | | | DIAPHRAGM | SEMI-TRASH | | TRASH | | | DIESEL TRASH | | |
|--------------------------------|--|---|------------------------|------------------------|---|-----------|---|----------------------------------|------------------------|-------------------------|---|---|--|------------------------|
| PUMP MODEL | PKV101 | PKX201 | PKX301 | PKX401 | PKX201H | | PTX301D | PKX201ST | PKX301ST | PKX201T | PKX301T | PTV405T | PTD310T | PTD410T |
| Type | Self-priming centrifugal pump | | | | Self-priming centrifugal high-pressure pump | | Self-priming diaphragm pump | Self-priming semi-trash pump | | Self-priming trash pump | | | Self-priming trash pump | |
| Suction/Discharge Size | 1 inch | 2 inch | 3 inch | 4 inch | 2 inch | | 3 inch | 2 inch | 3 inch | 2 inch | 3 inch | 4 inch | 3 inch | 4 inch |
| Maximum Capacity | 28 gallons per minute | 158 gallons per minute | 256 gallons per minute | 356 gallons per minute | 127 gallons per minute | | 250 gallons per minute | 153 gallons per minute | 246 gallons per minute | 185 gallons per minute | 314 gallons per minute | 528 gallons per minute | 317 gallons per minute | 449 gallons per minute |
| Maximum Lift Head | 115 feet | 98 feet | 102 feet | 89 feet | 187 feet | | 49 feet | 98 feet | 92 feet | 95 feet | 82 feet | 75 feet | 78.8 feet | 78.8 feet |
| Maximum Suction Lift | 26 feet | 26 feet | 26 feet | 26 feet | 26 feet | | 25 feet | 26 feet | 26 feet | 26 feet | 26 feet | 26 feet | 26 feet | 26 feet |
| Maximum PSI (Max.head/2.31) | 50 psi | 43 psi | 44 psi | 44 psi | 81 psi | | 21 psi | 43 psi | 40 psi | 41 psi | 36 psi | 33 psi | 34.1 psi | 34.1 psi |
| Mechanical Seal Material | Ceramic Carbon | | | | | | N/A | Silicon Carbide | | | Silicon Carbide | | | |
| Engine Model | EH025 | EX13 | EX17 | EX27 | EX17 | | EX21 | EX13 | EX17 | EX17 | EX27 | EH34D | Hatz 1B30 | Hatz 1B40 |
| Type | Subaru Robin air-cooled OHV, gasoline | Subaru Robin air-cooled 4-cycle, OHC, gasoline | | | | | Subaru Robin air-cooled 4-cycle, OHC, gasoline | | | | | Subaru Robin air-cooled 4-cycle, OHV, gasoline | Hatz air-cooled, 4-cycle single cylinder diesel engine | |
| Horsepower | 1.1 hp | 4.5 hp | 6.0 hp | 9.0 hp | 6.0 hp | | 7 hp | 4.5 hp | 6.0 hp | 6.0 hp | 9.0 hp | 11.0 hp | 6.8 hp | 9.9 hp |
| Low oil system | | Low Oil Shutdown | | | | | Low Oil Shutdown | | | | | Low Pressure | | |
| Spark Arrestor | | . | . | . | . | | . | . | . | . | . | . | . | . |
| Run Time (per tank, full load) | 1.5 hours | 2.7 hours | 2.5 hours | 2.2 hours | 2.5 hours | | 2.0 hours | 2.7 hours | 2.5 hours | 2.5 hours | 2.2 hours | 2.0 hours | 3.2 hours | 2.1 hours |
| Fuel Tank Capacity | .13 gallons | .71 gallons | .95 gallons | 1.61 gallons | .95 gallons | | .95 gallons | .71 gallons | .95 gallons | .95 gallons | 1.61 gallons | 1.59 gallons | 1.32 gallons | 1.32 gallons |
| Starting System | Recoil Starter | | | | | | Recoil Starter | | | | | Recoil Starter | | |
| Dimensions (L x W x H) | 13.1" x 8.4" x 12.6" | 18.4" x 14.1" x 15.7" | 19.9" x 15.2" x 18.4" | 25.6" x 18" x 25.4" | 20.5" x 15.4" x 17.1" | | 26" x 17" x 20" | 18.4" x 14.1" x 15.7" | 19.9" x 15.2" x 18.4" | 24.1" x 18.2" x 18.9" | 27.2" x 19.1" x 21.1" | 28.7" x 19.1" x 23.6" | 27" x 19" x 24" | 27" x 19" x 26" |
| Net Weight | 12 lbs. | 53 lbs. | 66 lbs. | 112 lbs. | 71 lbs. | | 100 lbs. | 55 lbs. | 68 lbs. | 106 lbs. | 128 lbs. | 157 lbs. | 150 lbs. | 193 lbs. |
| Standard Accessories | Tool Kit, Strainer, Vibration Isolators-loose, Hose Coupling and Hose Band | Tool Kit, Strainer, Vibration Isolators-loose and Hose Band | | | | | Tool Kit, Strainer, Hose Coupling and Hose Band | Tool Kit, Strainer and Hose Band | | | Tool Kit, Strainer, Hose Coupling and Hose Band | Tool Kit, Strainer, Hose Coupling and Hose Band | | |

TYPICAL PUMP APPLICATIONS

| Pump: | Clear water | Muddy water | Sandy water | High solid content | Clear water - High lift |
|---------------|-------------|-------------|-------------|--------------------|-------------------------|
| Centrifugal | Best | | | | |
| Diaphragm | Good | Best | Best | Best | |
| High-Pressure | Good | | | | Best |
| Semi-Trash | Good | Good | Good | Good | |
| Trash | Good | Best | Best | Best | |

STRAINERS

All pumps come standard with a strainer to prevent damage to the pump from oversize debris entering the intake hose.



• NOTE: Self-priming pumps require initial priming to operate.

