Subaru Robin is a division of Fuji Heavy Industries Ltd., headquartered in Tokyo, Japan. Fuji is a global manufacturing company of diversified premium brand products. Total annual sales exceed $13 billion.

There are four main divisions: Subaru Automotive, Aerospace, Eco Technologies and the Industrial Products Division. All divisions share a common history of innovation of unique technologies and products that bring added value to premium products.

Subaru Robin industrial engines and equipment have earned a reputation throughout the world for high performance and durability in the most demanding applications. Subaru Robin is the fourth largest engine manufacturer in the world, with annual production exceeding 1 million engines.

Advanced engineering, high technical expertise and state-of-the-art robotic manufacturing are hallmarks of Fuji, which proactively shares technology between divisions in order to stay on the cutting edge, lead competition and provide customers with outstanding products.

In recent years, Fuji has earned a worldwide recognition for technical advances in its Subaru automobiles, such as Subaru's All Wheel Drive (AWD) system, horizontally opposed engines and the turbo-charged 300 horsepower WRX STI performance car. Fuji has built its solid reputation on 60 years of success. Each division of Fuji Heavy Industries produces technically advanced products.
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 Robin Engines

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.
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.

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

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.

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 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 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 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

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

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.

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 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 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 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
PKX201ST Semi-Trash Pump
- 2-inch suction and discharge ports
- 150 gallons per minute maximum discharge capacity
- 4.5 hp overhead cam Subaru Robin engine with low oil shut-off system
- Spherodial graphite cast iron impeller and volute for long life
- Silicon carbide mechanical seal for high durability

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
- Spherodial graphite cast iron impeller and volute for long life
- Silicon carbide mechanical seal for high durability

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 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 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

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
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.

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.

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

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

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

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

IMPELLER: Abrasion-resistant, high-chrome cast iron impeller extends service life.

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

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.

EXTENDED BEARING: Heavy-duty, self-lubricating silicon carbide mechanical seal provides stamina for tough applications. Easily replaceable shims offer maximum performance over the life of the pump.

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

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

### Pump Type

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>PKV101</th>
<th>PKX201</th>
<th>PKX301</th>
<th>PKX401</th>
<th>PKX201H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Self-priming centrifugal pump</td>
<td>Self-priming centrifugal high-pressure pump</td>
<td>Self-priming diaphragm pump</td>
<td>Self-priming semi-trash pump</td>
<td>Self-priming trash pump</td>
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<tr>
<td>Suction/Discharge Size</td>
<td>1 inch</td>
<td>2 inch</td>
<td>3 inch</td>
<td>4 inch</td>
<td>2 inch</td>
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<tr>
<td>Maximum Capacity</td>
<td>28 gallons per minute</td>
<td>158 gallons per minute</td>
<td>256 gallons per minute</td>
<td>356 gallons per minute</td>
<td>127 gallons per minute</td>
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<tr>
<td>Maximum Lift Head</td>
<td>115 feet</td>
<td>98 feet</td>
<td>102 feet</td>
<td>88 feet</td>
<td>187 feet</td>
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<tr>
<td>Maximum Suction Lift</td>
<td>26 feet</td>
<td>26 feet</td>
<td>26 feet</td>
<td>26 feet</td>
<td>26 feet</td>
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<tr>
<td>Maximum PSI</td>
<td>50 psi</td>
<td>43 psi</td>
<td>44 psi</td>
<td>44 psi</td>
<td>81 psi</td>
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<tr>
<td>Mechanical Seal Material</td>
<td>Ceramic Carbon</td>
<td>N/A</td>
<td>Silicon Carbide</td>
<td>N/A</td>
<td>Silicon Carbide</td>
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<tr>
<td>Engine Model</td>
<td>EH025</td>
<td>EX13</td>
<td>EX17</td>
<td>EX27</td>
<td>EX17</td>
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<tr>
<td>Type</td>
<td>Subaru Robin air-cooled OHV, gasoline</td>
<td>Subaru Robin air-cooled 4-cycle, OHC, gasoline</td>
<td>Subaru Robin air-cooled 4-cycle, OHC, gasoline</td>
<td>Subaru Robin air-cooled 4-cycle, OHC, gasoline</td>
<td>Hatz air-cooled, 4-cycle single cylinder diesel engine</td>
</tr>
<tr>
<td>Horsepower</td>
<td>1.1 hp</td>
<td>4.5 hp</td>
<td>6.0 hp</td>
<td>9.0 hp</td>
<td>6.0 hp</td>
</tr>
<tr>
<td>Low oil system</td>
<td>Low Oil Shutdown</td>
<td>Low Oil Shutdown</td>
<td>Low Oil Shutdown</td>
<td>Low Oil Shutdown</td>
<td>Low Pressure</td>
</tr>
<tr>
<td>Spark Arrester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Run Time (per tank, full load)</td>
<td>1.5 hours</td>
<td>2.7 hours</td>
<td>2.5 hours</td>
<td>2.2 hours</td>
<td>2.5 hours</td>
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<tr>
<td>Fuel Tank Capacity</td>
<td>.13 gallons</td>
<td>.71 gallons</td>
<td>.95 gallons</td>
<td>1.61 gallons</td>
<td>.95 gallons</td>
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<tr>
<td>Starting System</td>
<td>Recoil Starter</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>13.1&quot; x 8.4&quot; x 12.0&quot;</td>
<td>18.4&quot; x 14.1&quot; x 15.7&quot;</td>
<td>19.9&quot; x 15.2&quot; x 18.4&quot;</td>
<td>25.6&quot; x 16&quot; x 25.4&quot;</td>
<td>20.5&quot; x 15.4&quot; x 17.1&quot;</td>
</tr>
<tr>
<td>Net Weight</td>
<td>12 lbs.</td>
<td>53 lbs.</td>
<td>66 lbs.</td>
<td>112 lbs.</td>
<td>71 lbs.</td>
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<tr>
<td>Standard Accessories</td>
<td>Tool Kit, Strainer, Vibration Isolators-loose, Hose Coupling and Hose Band</td>
<td>Tool Kit, Strainer, Vibration Isolators-loose, Hose Coupling and Hose Band</td>
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<td>Tool Kit, Strainer, Hose Coupling and Hose Band</td>
</tr>
</tbody>
</table>

### Typical Pump Applications

<table>
<thead>
<tr>
<th>Pump:</th>
<th>Clear water</th>
<th>Muddy water</th>
<th>Sandy water</th>
<th>High solid content</th>
<th>Clear water - High lift</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centrifugal</td>
<td>Best</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Diaphragm</td>
<td>Good</td>
<td>Best</td>
<td>Best</td>
<td>Best</td>
<td></td>
</tr>
<tr>
<td>High-Pressure</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semi-Trash</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
<td></td>
</tr>
<tr>
<td>Trash</td>
<td>Good</td>
<td>Best</td>
<td>Best</td>
<td>Best</td>
<td></td>
</tr>
</tbody>
</table>

### 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.*