When you have big goals in mind, you want a Kawasaki engine in your mower. More landscapers prefer Kawasaki power and reliability than any other engine brand. Premium mowers count on their proven strength and quality. Kawasaki re-powers extend the productive life of hard-working equipment. Authorized Kawasaki dealers meet your needs with world-class service and parts. And Kawasaki’s 3-year limited warranty gives you confidence you can count on.

In landscaping, success is driven by ambition. And often powered by Kawasaki.
You need more than strong engines. You need strong support. Your Authorized Kawasaki Engines Dealer has what it takes to keep you running like a well-oiled machine: efficient new equipment, cost-effective repowers and rebuilds, genuine parts, service and advice. Your dealer is trained, equipped, factory-supported and personally motivated to help you work smart. As a professional, you put a lot into your business — your authorized Kawasaki engines dealer can help you get the most out of it. Find him at www.Kawasaki.com/DealerLocatorPower/Search

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Performance Beyond Horsepower

You need more than strong engines. You need strong support. Your Authorized Kawasaki Engines Dealer has what it takes to keep you running like a well-oiled machine: efficient new equipment, cost-effective repowers and rebuilds, genuine parts, service and advice. Your dealer is trained, equipped, factory-supported and personally motivated to help you work smart. As a professional, you put a lot into your business — your authorized Kawasaki engines dealer can help you get the most out of it. Find him at www.Kawasaki.com/DealerLocatorPower/Search

Kawasaki Engines
1957 – FIRST KAWASAKI SMALL ENGINE
Kawasaki General Purpose Engines division releases a 250cc engine with airplane air-cooled technology and cast-iron cylinder liners

1968 – FIRST MILLION SMALL ENGINES
Total production for division reaches 1,000,000 engines, including a new outboard design

1970 – FIRST SNOWMOBILE RACING ENGINE
Kawasaki creates a powerplant designed especially for popular winter racing

1983 – FIRST 10 MILLION SMALL ENGINES
Kawasaki sets industry record for total combined production

1987 – FIRST LIQUID-COoled KAWASAKI ENGINE
New liquid-cooled, 2-cylinder FD model is released, along with Kawasaki’s first walk-behind mower engine

1988 – FIRST 15 MILLION SMALL ENGINES
Combined GPE production sets another industry record

1989 – MARYVILLE, MISSOURI PLANT OPENS
Kawasaki begins building world-class engines in the heart of the USA

1993 – FIRST 20 MILLION SMALL ENGINES
Includes new engine designs that set record sales levels

2001 – FI SERIES INTRODUCED
Tough, air-cooled single-cylinder, powerplant brings Kawasaki performance to a new range of products

2005 – FX SERIES INTRODUCED
Breakthrough commercial-grade engines bring new performance levels to the toughest jobs

2010 – FS SERIES, FR SERIES INTRODUCED
Mid-duty and residential engines expand Kawasaki performance to wider markets

2012 – FIRST SAE POWER CERTIFIED SMALL ENGINES
Kawasaki moves to SAE J2723, the tightest horsepower-rating standard in the industry, ensuring full, consistent power from its Critical Power engines

2015 – NEXT-GENERATION EFI ENGINE INTRODUCED
Breakthrough electronic fuel injection technology elevates the new FS730V-EFI engine to new level of performance

2016 – KAWASAKI EFI POWER EXPANDS
New FX730V-EFI model added, giving more users the efficiency, power and quality results of Kawasaki EFI

2017 – NEW FX850V-EFI INTRODUCED
New commercial-grade FX Series EFI model gives top OEMs and pro landscapers a new power option

Kawasaki has been building premium general purpose engines for 60 years, backed by the depth, strength and creativity of a world-wide engineering and production powerhouse. Innovations from across our entire aerospace, transportation, energy, industrial and consumer-products family constantly improve the engines you use, keeping you productive and competitive year after year.
The FX engine elevates “commercial grade” to a new level: strictly heavy duty, built for the toughest jobs, crafted with hands-on precision through every step from initial pressure casting to final, individual inspection. Components are premium professional quality. Tolerances are incredibly tight. Power delivery is tested, confirmed and SAE Certified to ensure full rated horsepower. When your job, your product, or your reputation demands the best you’ve got, this is the engine to get.

- Commercial mowers
- Heavy-duty industrial and construction equipment

**FX481V / 15.5 HP**

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter

**FX541V / 16.5 HP**

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter

**FX600V / 19.0 HP**

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter
FX651V / 20.5 HP

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter

ENGINE TYPE
Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine

Number of Cylinders 2
Bore x Stroke 3.1 x 3.0 in. (78 x 76mm)
Displacement 726cc (44.3 cu. in.)
Compression Ratio 8.2:1
Maximum Power 20.5hp (15.3kW) / 3600 rpm
Maximum Torque 39.0 ft. lbs. (52.9 N•m) / 2200 rpm
Oil Capacity 2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight 101.4 lbs. (46.0kg)

FX691V / 22.0 HP

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter

ENGINE TYPE
Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine

Number of Cylinders 2
Bore x Stroke 3.1 x 3.0 in. (78 x 76mm)
Displacement 726cc (44.3 cu. in.)
Compression Ratio 8.2:1
Maximum Power 22.0hp (16.4kW) / 3600 rpm
Maximum Torque 39.4 ft. lbs. (53.4 N•m) / 2200 rpm
Oil Capacity 2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight 101.4 lbs. (46.0kg)

FX730V / 23.5 HP

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter

ENGINE TYPE
Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine

Number of Cylinders 2
Bore x Stroke 3.1 x 3.0 in. (78 x 76mm)
Displacement 726cc (44.3 cu. in.)
Compression Ratio 8.2:1
Maximum Power 23.5hp (17.5kW) / 3600 rpm
Maximum Torque 39.9 ft. lbs. (54.1 N•m) / 2400 rpm
Oil Capacity 2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight 101.4 lbs. (46.0kg)

FX730V EFI / 25.5 HP

- 90° V-twin
- Integrated electronic governor
- Pressurized lubrication system
- Electronic ignition with variable spark timing
- Automatic compression release
- Sequential multi-port fuel injection
- Compact electronic control unit
- Proven open loop design
- Electronic altitude compensation
- High pressure fuel injection technology with electronic fuel pump
- Cast iron cylinder liners
- Integrated clean out ports

ENGINE TYPE
Forced Air-Cooled V-twin Fuel Injected 4-cycle Vertical Shaft OHV Gasoline Engine

Number of Cylinders 2
Bore x Stroke 3.1 x 3.0 in. (78 x 76mm)
Displacement 726cc (44.3 cu. in.)
Compression Ratio 8.2:1
Maximum Power 25.5hp (19.0kW) / 3600 rpm
Maximum Torque 40.3 ft. lbs. (54.6 N•m) / 2800 rpm
Oil Capacity 2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight 110.7 lbs. (50.2kg)
FX751V / 24.5 HP

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter
- High efficiency oil cooler

FX801V / 25.5 HP

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter
- High efficiency oil cooler

FX850V / 27.0 HP

- 90° V-twin
- Integrated electronic governor
- Pressurized lubrication system
- Electronic ignition with variable spark timing
- Automatic compression release
- Sequential multi-port fuel injection
- Compact electronic control unit
- Proven open loop design
- Electronic altitude compensation
- High pressure fuel injection technology with electronic fuel pump
- Cast iron cylinder liners
- Integrated clean out ports

FX850V-EFI / 29.5 HP

- 90° V-twin
- Integrated electronic governor
- Pressurized lubrication system
- Electronic ignition with variable spark timing
- Automatic compression release
- Sequential multi-port fuel injection
- Compact electronic control unit
- Proven open loop design
- Electronic altitude compensation
- High pressure fuel injection technology with electronic fuel pump
- Cast iron cylinder liners
- Integrated clean out ports
**FX921V / 31.0 HP**

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter
- High efficiency oil cooler
- Three Valves per cylinder

<table>
<thead>
<tr>
<th>ENGINE TYPE</th>
<th>Forced Air-Cooled 9.21V 4-cycle Vertical Shaft OHV Gasoline Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Cylinders</td>
<td>2</td>
</tr>
<tr>
<td>Bore x Stroke</td>
<td>3.5 x 3.15 in. (89.15 x 80mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>999cc (61 cu. in.)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>8.4:1</td>
</tr>
<tr>
<td>Maximum Power</td>
<td>31.0hp (23.1kW) / 3600 rpm</td>
</tr>
<tr>
<td>Maximum Torque</td>
<td>54.3 ft. lbs. (73.6 N•m) / 2400 rpm</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>2.5 U.S. qt. (2.4 liters) w/Filter</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>138.0 lbs. (62.6kg)</td>
</tr>
</tbody>
</table>

**FX1000V / 35.0 HP**

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter
- High efficiency oil cooler
- Three Valves per cylinder

<table>
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<tr>
<th>ENGINE TYPE</th>
<th>Forced Air-Cooled 9.21V 4-cycle Vertical Shaft OHV Gasoline Engine</th>
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<tr>
<td>Displacement</td>
<td>999cc (61 cu. in.)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>8.4:1</td>
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<tr>
<td>Maximum Power</td>
<td>35.0hp (26.1kW) / 3600 rpm</td>
</tr>
<tr>
<td>Maximum Torque</td>
<td>56.0 ft. lbs. (75.9 N•m) / 2800 rpm</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>2.5 U.S. qt. (2.4 liters) w/Filter</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>138.0 lbs. (62.6kg)</td>
</tr>
</tbody>
</table>
Air-Cooled V-Twin: Vertical Shaft

FS Series engines master the mid-duty jobs that make up the bulk of your business. Easy starting and smooth running add to operator comfort. Long service intervals and simple maintenance boost uptime. With the well-proven FS, you get plenty of power to drive big ride-ons, reliability that keeps mowers on the job, and the kind of clean, consistent results that impress customers.

• Zero-turn riders
• Lawn and garden tractors
• Wide-area walk-behind mowers

**ENGINE TYPE**
Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine

**Number of Cylinders**
2

**Bore x Stroke**
2.9 x 2.8 in. (73 x 72mm)

**Displacement**
603cc (36.8 cu. in.)

**Compression Ratio**
8.1:1

**Maximum Power**
18.5hp (13.8kW) / 3600 rpm

**Maximum Torque**
32.5 ft. lbs. (44.1 N•m) / 2000 rpm

**Oil Capacity**
2.1 U.S. qt. (2.0 liter) w/Filter

**Dry Weight (without muffler)**
80.9 lbs. (36.7kg)

---

**ENGINE TYPE**
Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine

**Number of Cylinders**
2

**Bore x Stroke**
2.9 x 2.8 in. (73 x 72mm)

**Displacement**
603cc (36.8 cu. in.)

**Compression Ratio**
8.1:1

**Maximum Power**
15.0hp (11.2kW) / 3600 rpm

**Maximum Torque**
31.0 ft. lbs. (42.1 N•m) / 1800 rpm

**Oil Capacity**
2.1 U.S. qt. (2.0 liter) w/Filter

**Dry Weight (without muffler)**
80.9 lbs. (36.7kg)

---

**ENGINE TYPE**
Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine

**Number of Cylinders**
2

**Bore x Stroke**
2.9 x 2.8 in. (73 x 72mm)

**Displacement**
603cc (36.8 cu. in.)

**Compression Ratio**
8.1:1

**Maximum Power**
14.5hp (10.8kW) / 3600 rpm

**Maximum Torque**
30.9 ft. lbs. (42.0 N•m) / 1800 rpm

**Oil Capacity**
2.1 U.S. qt. (2.0 liter) w/Filter

**Dry Weight (without muffler)**
80.9 lbs. (36.7kg)

---

Air-Cooled V-Twin: Vertical Shaft

FS Series engines master the mid-duty jobs that make up the bulk of your business. Easy starting and smooth running add to operator comfort. Long service intervals and simple maintenance boost uptime. With the well-proven FS, you get plenty of power to drive big ride-ons, reliability that keeps mowers on the job, and the kind of clean, consistent results that impress customers.

• Zero-turn riders
• Lawn and garden tractors
• Wide-area walk-behind mowers

**FS481V / 14.5 HP**

- 90° V-twin
- Preasurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual element air filtration system with reinforced primary filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Integrated clean out ports

**FS541V / 15.0 HP**

- 90° V-twin
- Preasurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual element air filtration system with reinforced primary filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Integrated clean out ports

**FS600V / 18.5 HP**

- 90° V-twin
- Preasurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual element air filtration system with reinforced primary filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Integrated clean out ports
<table>
<thead>
<tr>
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<tbody>
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<td>Number of Cylinders</td>
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<td>2</td>
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<tr>
<td>Bore x Stroke</td>
<td>3.1 x 3.0 in. (78 x 76mm)</td>
<td>3.1 x 3.0 in. (78 x 76mm)</td>
<td>3.1 x 3.0 in. (78 x 76mm)</td>
<td>3.1 x 3.0 in. (78 x 76mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>726cc (44.3 cu. in.)</td>
<td>726cc (44.3 cu. in.)</td>
<td>726cc (44.3 cu. in.)</td>
<td>726cc (44.3 cu. in.)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>8.2:1</td>
<td>8.2:1</td>
<td>8.2:1</td>
<td>8.2:1</td>
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<tr>
<td>Maximum Power</td>
<td>25.5hp (19.0kW) / 3600 rpm</td>
<td>24.0hp (17.9kW) / 3600 rpm</td>
<td>23.0hp (17.2kW) / 3600 rpm</td>
<td>22.0hp (16.4kW) / 3600 rpm</td>
</tr>
<tr>
<td>Maximum Torque</td>
<td>40.0 ft. lbs. (54.2 N•m) / 2400 rpm</td>
<td>40.0 ft. lbs. (54.2 N•m) / 2400 rpm</td>
<td>39.9 ft. lbs. (54.1 N•m) / 2200 rpm</td>
<td>39.4 ft. lbs. (53.3 N•m) / 2000 rpm</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>2.1 U.S. qt. (2.0 liter) w/Filter</td>
<td>2.1 U.S. qt. (2.0 liter) w/Filter</td>
<td>2.1 U.S. qt. (2.0 liter) w/Filter</td>
<td>2.1 U.S. qt. (2.0 liter) w/Filter</td>
</tr>
<tr>
<td>Dry Weight (without muffler)</td>
<td>90.4 lbs. (41.0kg)</td>
<td>90.4 lbs. (41.0kg)</td>
<td>90.4 lbs. (41.0kg)</td>
<td>90.4 lbs. (41.0kg)</td>
</tr>
</tbody>
</table>

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual element air filtration system with reinforced primary filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Integrated clean out ports
**FR Series engines are engineered to blend muscle, economy and efficiency into a residential-use powerhouse. Torque and power are ideal for lawn and landscape grasses. Operation is smooth and quiet, perfect for neighborhood use. Compact design means nimble operation, and Kawasaki durability helps ensure long service life. When it comes to getting things done, this is the engine that brings professional quality home.**

- Residential zero-turn mowers
- Lawn and garden tractors

---

### FR541V / 15.0 HP

<table>
<thead>
<tr>
<th>ENGINE TYPE</th>
<th>Forced Air-Cooled 90° V-twin 4-cycle Vertical Shaft OHV Gasoline Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Cylinders</td>
<td>2</td>
</tr>
<tr>
<td>Bore x Stroke</td>
<td>3.1 x 3.0 in. (78 x 76 mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>726 cc (44.3 cu. in.)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>8.2:1</td>
</tr>
<tr>
<td>Maximum Power</td>
<td>21.5 hp (16.0 kW) / 3600 rpm</td>
</tr>
<tr>
<td>Maximum Torque</td>
<td>39.3 ft. lbs. (53.3 N•m) / 2200 rpm</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>2.1 U.S. qt. (2.0 liter) w/Filter</td>
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</tbody>
</table>

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### FR600V / 18.0 HP

<table>
<thead>
<tr>
<th>ENGINE TYPE</th>
<th>Forced Air-Cooled 90° V-twin 4-cycle Vertical Shaft OHV Gasoline Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Cylinders</td>
<td>2</td>
</tr>
<tr>
<td>Bore x Stroke</td>
<td>2.9 x 2.8 in. (73 x 72 mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>603 cc (36.8 cu. in.)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>8.1:1</td>
</tr>
<tr>
<td>Maximum Power</td>
<td>18.0 hp (13.4 kW) / 3600 rpm</td>
</tr>
<tr>
<td>Maximum Torque</td>
<td>32.4 ft. lbs. (44.0 N•m) / 2200 rpm</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>2.1 U.S. qt. (2.0 liter) w/Filter</td>
</tr>
</tbody>
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### FR651V / 21.5 HP

<table>
<thead>
<tr>
<th>ENGINE TYPE</th>
<th>Forced Air-Cooled 90° V-twin 4-cycle Vertical Shaft OHV Gasoline Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Cylinders</td>
<td>2</td>
</tr>
<tr>
<td>Bore x Stroke</td>
<td>3.0 x 2.9 in. (76 x 73 mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>651 cc (39.6 cu. in.)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>8.1:1</td>
</tr>
<tr>
<td>Maximum Power</td>
<td>21.5 hp (16.0 kW) / 3600 rpm</td>
</tr>
<tr>
<td>Maximum Torque</td>
<td>39.3 ft. lbs. (53.3 N•m) / 2200 rpm</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>2.1 U.S. qt. (2.0 liter) w/Filter</td>
</tr>
</tbody>
</table>
For those who prefer fuel-injected power, Kawasaki EFI is the clear choice. The integrated electronic governor — the eGov system — maintains steady blade tip speed through changing turf and terrain. Advanced ECU and sequential-firing injectors get more power from less fuel. Superior torque cuts fast and clean. Automatic enrichment and timing mean quick starts and optimum power. Integrated head-temp monitor guards against overheating through long days and heavy loads. Top performance: that’s how you master productivity.

OPEN-LOOP TECHNOLOGY
Fuel efficient, reliable and cooler running

HIGH ENERGY IGNITION
Fast starts in hot or cold, wet or dry conditions

HIGH PRESSURE FUEL SYSTEM
Consistent fuel delivery and smooth operation at high temp commercial use

CUTTING-EDGE ECU
Maximum productivity that’s sealed and secure

MULTI-PORT SEQUENTIAL FUEL INJECTION
Improved fuel efficiency and cutting power

SAE CERTIFIED HORSEPOWER
Certified to deliver the trusted power you count on

EFI PRODUCTIVITY
Mastered

FR691V / 23.0 HP

FR730V / 24.0 HP

FR

• 90° V-twin
• Pressurized lubrication system
• Electronic spark ignition
• Automatic compression release
• Single-stage air filter
• Cast-iron cylinder liners
• Rotating metal grass chopper screen

FR

• 90° V-twin
• Pressurized lubrication system
• Electronic spark ignition
• Automatic compression release
• Single-stage air filter
• Cast-iron cylinder liners
• Rotating metal grass chopper screen

ENGINE TYPE
Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine

Number of Cylinders 2

Bore x Stroke 3.1 x 3.0 in. (78 x 76mm)

Displacement 726cc (44.3 cu. in.)

Compression Ratio 8.2:1

Maximum Power 24.0hp (17.9kW) / 3600 rpm

Maximum Torque 39.7 ft. lbs. (53.9 N•m) / 2200 rpm

Oil Capacity 2.1 U.S. qt. (2.0 liter) w/Filter

Dry Weight (without muffler) 88.2 lbs. (40.0kg)

ENGINE TYPE
Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine

Number of Cylinders 2

Bore x Stroke 3.1 x 3.0 in. (78 x 76mm)

Displacement 726cc (44.3 cu. in.)

Compression Ratio 8.2:1

Maximum Power 23.0hp (17.2kW) / 3600 rpm

Maximum Torque 39.5 ft. lbs. (53.6 N•m) / 2200 rpm

Oil Capacity 2.1 U.S. qt. (2.0 liter) w/Filter

Dry Weight (without muffler) 88.2 lbs. (40.0kg)
The FD Series engines are high-torque powerplants with small footprints, ideal for tight installations. Efficient liquid cooling disperses heat in compact engine bays. Light weight enhances equipment handling for nimble operation. Available fuel injection, overhead V-valves, full pressure lubrication, and cast-iron cylinder liners help ensure long, productive life in heavy use.

- Zero-turn and stand-on riders
- Lawn and garden tractors
- Utility vehicles
- Generators and pumps
- Construction and industrial equipment: scissor lifts, trenchers, trash pumps

** ENGINE TYPE **

- Liquid-Cooled V-twin 4-cycle Horizontal Shaft OHV Gasoline Engine

** FD750D / 25.0 HP **

- Number of Cylinders: 2
- Bore x Stroke: 3.2 x 3.1 in. (82 x 78mm)
- Displacement: 824cc (50.3 cu. in.)
- Compression Ratio: 9.0:1
- Maximum Power: 31.0 hp (23.1 kW) / 3600 rpm
- Maximum Torque: 47.1 ft. lbs. (63.9 N•m) / 3200 rpm
- Oil Capacity: 2.1 U.S. qt. (2.0 liter) w/Filter
- Dry Weight (without muffler): 126.8 lbs. (57.5 kg)

** ENGINE TYPE **

- Liquid-Cooled V-twin 4-cycle, Digital Fuel Injected, Horizontal Shaft OHV Gasoline Engine

** FD791D-DFI / 26.0 HP **

- Number of Cylinders: 2
- Bore x Stroke: 3.07 x 3.07 in. (78 x 78mm)
- Displacement: 745cc (45.5 cu. in.)
- Compression Ratio: 9.0:1
- Maximum Power: 26.0 hp (19.4 kW) / 3600 rpm
- Maximum Torque: 40.5 ft. lbs. (54.9 N•m) / 2800 rpm
- Oil Capacity: 2.1 U.S. qt. (2.0 liter) w/Filter
- Dry Weight (without muffler): 130.1 lbs. (59.0 kg)

** ENGINE TYPE **

- Liquid-Cooled V-twin 4-cycle Horizontal Shaft OHV Gasoline Engine

** FD851D-DFI / 31.0 HP **

- Number of Cylinders: 2
- Bore x Stroke: 3.07 x 3.07 in. (78 x 78mm)
- Displacement: 745cc (45.5 cu. in.)
- Compression Ratio: 8.6:1
- Maximum Power: 25.0 hp (18.7 kW) / 3600 rpm
- Maximum Torque: 41 ft. lbs. (55.6 N•m) / 2600 rpm
- Oil Capacity: 2.1 U.S. qt. (2.0 liter) w/Filter
- Dry Weight (without muffler): 127.9 lbs. (58.0 kg)
ENGINE TYPE
Forced Air-Cooled 4-cycle
Vertical Shaft OHV Gasoline Engine

Number of Cylinders 1

Bore x Stroke
2.6 x 2.1 in. (65 x 54mm)

Displacement
179cc (10.9 cu. in.)

Compression Ratio
8.5:1

Fuel Tank Capacity
1.9 U.S. qt. (1.8 liter) Standard

Oil Capacity
0.6 U.S. qt. (0.6 liter) w/Filter

Dry Weight
37.26 lbs. (16.9kg)

• Dual element air cleaner
• Flywheel magnets transistor ignition
• Recoil starter with automatic compression release
• Low tone muffler w/ guard
• Fuel shut-off valve
• Cast iron cylinder liner

Critical Power: SAE Certified Muscle
Kawasaki Critical Power engines are SAE Certified for consistent, accurate horsepower. They are rated per SAE J2723, the tightest standard in the industry, so you’ll get all the hard-working capacity you expect. Kawasaki is the first turf engine to apply such a high rating standard, achieve third-party power verification, and deliver SAE Certified performance. We insist on the best. Just like you.

3-Year Limited Warranty: Solid Confidence
Kawasaki engines are covered by one of the strongest warranties in the industry: three years, parts and labor. For complete warranty details, go to kawasakienginesusa.com/kawasaki-warranties

The Fine Art of SHEER STRENGTH

Air-Cooled Single Cylinder: Vertical Shaft

Compact, lightweight, quiet and clean-running, FJ engines are ideal for smaller machines and applications where functionality, reliability and convenience are paramount. FJ KAI™ engines are designed for professionals, with a commercial-grade air cleaner and blower housing, heavy-duty recoil assembly, and beefed-up ball-bearing crankshaft support that improves performance and durability.

• Turf and golf
• Agricultural and industrial
• Construction
• Walk-behind mowers

Air-Cooled Single Cylinder: Vertical Shaft

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• Turf and golf
• Agricultural and industrial
• Construction
• Walk-behind mowers
As a pro landscaper, you know that parts that aren’t crafted for your Kawasaki engine might work – or might not. They can introduce impurities into precision components, lead to rough running and wasted fuel, and actually damage your engine. Why risk it? Instead of cutting corners with aftermarket parts, protect your investment with parts crafted to fit and work right: Kawasaki Genuine Parts. It’s the smart way to keep your Kawasaki-powered mowers doing what they do best.
**HIGH-PERFORMANCE OIL**

Kawasaki oils are specifically formulated for Kawasaki engines, with additives that maintain viscosity, reduce oil consumption, support stay-in-grade performance, and help control foaming and shearing. Kawasaki has oils that are approved for both gasoline and diesel applications.

**OIL FILTERS**

Most oil filters look the same on the outside. But inside a Kawasaki filter, a slotted alloy tube protects media integrity and oil flow. A pressure-activated bypass valve prevents cold-start wear and maintains flow in case of blockage. Silicone valves, rubber seals and heavy canister stand up to high temps and severe use. This is engine protection you can count on.

**AIR AND FUEL FILTERS**

Kawasaki air and fuel filters are designed with media, materials and permeability that match the flow rates, operating pressures and temperatures of your Kawasaki engine. And they fit exactly right. Generic filters may not be as precise, so effective protection may not be there.

**TUNE-UP KITS**

Kawasaki tune-up kits contain high-efficiency oil and air filters, premium engine oil, and spark plugs, all matched to your specific engine. No more searching for parts, or missing what you need — everything is included, it all fits and works, and it is all designed to make quick work of a critical job.

**SHORT BLOCK ASSEMBLIES**

Now you can repower your Kawasaki FS or FX Series engine faster and more cost-effectively, with a factory-made short block assembly. Available in nine different sizes, all crafted with the quality and precision of your original Kawasaki engine. Contact your local authorized Kawasaki engines dealer for information and ordering.

**PART # | ENGINE | APPLICATION | PTO SIZE**
---|---|---|---
59341-0011 | FS & FX 401V / 450V / 500V | 1” X 100MM PTO
59341-0019 | FS & FX 401V / 540V / 600V | 1 1/8” X 100MM PTO
59341-0014 | FS & FX 401V / 540V / 600V | 1 1/8” X 100MM PTO
59341-0012 | FS & FX 651V / 691V / 730V | 1” X 100MM PTO
59341-0016 | FS & FX 651V / 691V / 730V | 1 1/8” X 100MM PTO
59341-0017 | FS & FX 651V / 691V / 730V | 1 1/8” X 100MM PTO
59341-0013 | FR751V / FR801V / FR850V | 1” X 100MM PTO
59341-0015 | FR751V / FR801V / FR850V | 1 1/8” X 100MM PTO
59341-0018 | FR751V / FR801V / FR850V | 1 1/8” X 100MM PTO

**SAE 10W-30**

1 Quart Bottle

99969-6288

**SAE 30**

1 Quart Bottle

99969-6284

**SAE 10W-40**

1 Quart Bottle

99969-6280

**SAE 20W-50**

1 Quart Bottle

99969-6282

**GENUINE PARTS**

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Kawasaki short block assemblies are covered by a 90-day warranty from the retail sale date. For complete warranty details visit kawasakienginesusa.com/kawasaki-warranties.
You don’t always have to replace a hard-working mower — restore its power and productivity with a fresh Kawasaki engine. Direct, same-model Kawasaki replacement engines make installation easy. You may be able to upgrade to a different Kawasaki model; for higher productivity from older equipment. A new Kawasaki engine might even replace another engine brand, giving you renowned Kawasaki reliability and performance.

Kawasaki replacement engines come with a 3-year limited warranty and nationwide Authorized Dealer network support. Ask your dealer about Kawasaki replacement engines, for a cost-effective, well-proven way to get the most from your mowers.
### COMPLETE LINE OF 2017 ENGINES

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<th>AIR-COOLED</th>
<th>LIQUID-COOLED</th>
<th>OVERHEAD 90º V-TWIN</th>
<th>SINGLE CYLINDER</th>
<th>TWO CYLINDER</th>
<th>CARBURATED</th>
<th>FUEL INJECTION</th>
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### OPTIONAL FEATURES

#### ENGINE SERIES
- FD
- FS
- FR
- FF

**Multi-Position Recall Start**
- •
- •

**Bendix Start**
- •
- •

**Shift Start**
- •

Optional Fuel Pump Side Muffler
- •

Optional Oil Filter Side Muffler
- •

15 Amp Charging System
- •

20 Amp Charging System
- •

30 Amp Charging System
- •

Clutch Coil Charging System
- •

Tune-up Kit Available
- See Pg. 31
- See Pg. 31
- See Pg. 31
- See Pg. 31

Filter Minder Available
- •

Short Block Available
- See Pg. 31
- See Pg. 31

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### CRANKSHAFT SIZE OPTIONS

- **FX Series**: 1" x 80mm, 1 1/8" x 100mm, 1 1/8" x 108.8mm
- **FS Series**: 1" x 80mm, 1 1/8" x 108.8mm
- **FR Series**: 1" x 80mm

---

Kawasaki is the first turf engine that’s SAE Certified for consistent, accurate horsepower. Critical Power is rated per SAE J2723, the tightest standard in the industry, so you get all the hard-working power you expect. Kawasaki is the first turf engine to apply such a high standard, the first to achieve third-party power verification, and the first SAE Certified turf engine. We insist on the best. Just like our customers.

Critical Power Engines

Only Kawasaki Critical Power engines listed in this brochure have been tested in accordance with SAE J1995, verified by TÜV Rheinland Group, horsepower-rated in accordance with SAE J2723, and certified by SAE International. Torque ratings of these engines were not certified by SAE. Actual power and torque output will vary depending on numerous factors, including, but not limited to, the operating speed of the engine in application, environmental conditions, maintenance, and other variables.

Non-Critical Power Engines

The gross power ratings of these engines are referenced for OEM customers. Kawasaki does not intend this information to accompany the engine and/or the lawn mower at the time of retail sale to a consumer. The gross power ratings were determined by using measurements according to SAE J1995 as rated by Kawasaki, not witnessed by a third party tester. Actual power output will vary depending on numerous factors, including, but not limited to, the operating speed of the engine in application, environmental conditions, maintenance, and other variables.