Things that move, things that produce, things that change the way the world works. But the most important part of everything we build is **TRUST**.
THE MOST IMPORTANT PART OF INNOVATION IS GIVING IT A PURPOSE.

We don't innovate just for the sake of doing it. Everything we do is a solution. From reducing debris ingestion and enhancing air flow, to class-leading EFI, it doesn't go into a mower until we decide it's good enough for you.
The FX engine elevates "commercial grade" to a new level: strictly heavy duty, built for the toughest jobs, crafted with precision through every step from initial pressure casting to final, individual inspection. Components are premium quality. Power delivery is tested, confirmed and SAE Certified. 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
<table>
<thead>
<tr>
<th>Engine Type</th>
<th>FX615V / 20.5 HP</th>
<th>FX691V / 22.0 HP</th>
<th>FX730V / 23.5 HP</th>
<th>FX730V-EFI / 25.5 HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Type</td>
<td>Forced air-cooled V-Twin 4-cycle vertical shaft 110 cc gasoline engine</td>
<td>Forced air-cooled V-Twin 4-cycle vertical shaft 110 cc gasoline engine</td>
<td>Forced air-cooled V-Twin 4-cycle vertical shaft 110 cc gasoline engine</td>
<td>Forced air-cooled V-Twin 4-cycle vertical shaft 110 cc gasoline engine</td>
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<tr>
<td>Number of Cylinders</td>
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<tr>
<td>Bore x Stroke</td>
<td>3.1 x 3.0 in. (78 x 76 mm)</td>
<td>3.1 x 3.0 in. (78 x 76 mm)</td>
<td>3.1 x 3.0 in. (78 x 76 mm)</td>
<td>3.1 x 3.0 in. (78 x 76 mm)</td>
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<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>20.5 hp (15.3 kW) / 3600 rpm</td>
<td>22.0 hp (16.4 kW) / 3600 rpm</td>
<td>23.5 hp (17.5 kW) / 3600 rpm</td>
<td>25.5 hp (19.0 kW) / 3600 rpm</td>
</tr>
<tr>
<td>Maximum Torque</td>
<td>39.0 ft. lbs. (52.9 N•m) / 2200 rpm</td>
<td>39.4 ft. lbs. (53.4 N•m) / 2200 rpm</td>
<td>39.9 ft. lbs. (54.1 N•m) / 2200 rpm</td>
<td>40.3 ft. lbs. (54.6 N•m) / 2800 rpm</td>
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<td>Oil Capacity</td>
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<td>2.2 quart (2.1 liter) w/Filter</td>
<td>2.2 quart (2.1 liter) w/Filter</td>
<td>2.2 quart (2.1 liter) w/Filter</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>101.4 lbs. (46.0 kg)</td>
<td>101.4 lbs. (46.0 kg)</td>
<td>101.4 lbs. (46.0 kg)</td>
<td>110.7 lbs. (50.2 kg)</td>
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</table>

- 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
- 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
- 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
- 90° V-twin
- Integrated electronic throttle control unit
- 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
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
- 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-EFI / 29.5 HP

- 90° V-twin
- Integrated electronic throttle control unit
- Pressurized lubrication system
- Electronic ignition with variable spark timing
- Automatic compression release
- Sequential multi-port fuel injection
- Compact electronic control unit
- 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 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE

Number of Cylinders 2
Bore x Stroke 3.33 x 2.99 in. (84.5 x 76 mm)
Displacement 852 cc (52 cu. in.)
Compression Ratio 8.2:1
Maximum Power 24.5 hp (18.3 kW) / 3600 rpm
Maximum Torque 44.4 ft. lbs. (60.2 N•m) / 2200 rpm
Oil Capacity 2.4 quart (2.3 liter) w/Filter
Dry Weight 124 lbs. (56.4 kg)

ENGINE TYPE FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE

Number of Cylinders 2
Bore x Stroke 3.33 x 2.99 in. (84.5 x 76 mm)
Displacement 852 cc (52 cu. in.)
Compression Ratio 8.2:1
Maximum Power 25.5 hp (19.0 kW) / 3600 rpm
Maximum Torque 44.6 ft. lbs. (60.5 N•m) / 2400 rpm
Oil Capacity 2.4 quart (2.3 liter) w/Filter
Dry Weight 124 lbs. (56.4 kg)

ENGINE TYPE FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE

Number of Cylinders 2
Bore x Stroke 3.33 x 2.99 in. (84.5 x 76 mm)
Displacement 852 cc (52 cu. in.)
Compression Ratio 8.2:1
Maximum Power 27.0 hp (20.1 kW) / 3600 rpm
Maximum Torque 44.6 ft. lbs. (60.5 N•m) / 2400 rpm
Oil Capacity 2.4 quart (2.3 liter) w/Filter
Dry Weight 124 lbs. (56.4 kg)

ENGINE TYPE FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE

Number of Cylinders 2
Bore x Stroke 3.33 x 2.99 in. (84.5 x 76 mm)
Displacement 852 cc (52 cu. in.)
Compression Ratio 8.2:1
Maximum Power 29.5 hp (22.0 kW) / 3600 rpm
Maximum Torque 48.3 ft. lbs. (65.5 N•m) / 2600 rpm
Oil Capacity 2.4 quart (2.3 liter) w/Filter
Dry Weight 131.6 lbs. (59.7 kg)
Kawasaki dials up engine performance, efficiency, and durability with class-leading EFI. With integrated electronic throttle control, you set the pace—the system instantly matches engine power to cutting load, ground speed, and terrain. The advanced ECU continuously monitors ambient conditions and engine performance, helping to ensure fast starts and smooth fuel delivery. Automatic fuel enrichment and spark timing matches engine power to load, minimizing droop in heavy turf.
THE MOST IMPORTANT PART OF ANY ENGINE IS THE AIM FOR PERFECTION.

A dedication to constant improvement is what drives us to engineer products that exceed your expectations. We believe we’re only as successful as the things we make, so we put everything we have into building and rigorously testing each engine.
Clean running, powerful, and built for commercial applications, our FT Series engines are a cut above the norm. You'll make light work of the heavy loads when you summon proven EFI technology. The vertical air filtration system pulls grass and debris out of the machine. Trusted by pros to shoulder the load.

- **ZERO-TURN RIDERS**
- **LAWN AND GARDEN TRACTORS**
- **WIDE-AREA WALK-BEHIND MOWERS**

**ENGINE TYPE**
- **FORCED AIR-COOLED V-TWIN 4-CYCLE HORIZONTAL SHAFT GASOLINE ENGINE**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Number of Cylinders</td>
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<tr>
<td>Bore x Stroke</td>
<td>3.1 x 3.0 in. (78 x 76 mm)</td>
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<td>Displacement</td>
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<td>Compression Ratio</td>
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<td>Maximum Power</td>
<td>26.0 hp (19.4 kW) / 3600 rpm</td>
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<td>Maximum Torque</td>
<td>40.1 ft. lbs. (54.5 N•m) / 2800 rpm</td>
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<tr>
<td>Oil Capacity</td>
<td>2.2 quart (2.1 liter) w/Filter</td>
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<tr>
<td>Dry Weight</td>
<td>103.2 lbs. (46.8 kg)</td>
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</tbody>
</table>

**FT SERIES**

THE FT730V-EFI WITH VORTICAL AIR FILTRATION: PURPOSE-BUILT FOR COMMERCIAL APPLICATIONS.

Two things set this engine apart: proven Kawasaki EFI, featuring our own integrated electronic throttle control system, and vortical air filtration technology that minimizes debris.

Vortical air filtration is Kawasaki’s answer to superior debris management. As air enters under the air filter housing, the unique design creates a powerful vortex motion forcing heavier particles outward through the debris ejector valve. Remaining fine particles are intercepted by the filter.

- **BUILT-IN GUIDES ENSURE THE FILTER GOES IN ONE WAY**
- **THE OUTER HOUSING IS SEALED USING A TONGUE-AND-GROOVE DESIGN**
- **TWO CLEAN-OUT PORTS LET YOU INSPECT THE CYLINDERS AND CLEAN AS NEEDED**
- **A DRAIN HOLE LETS LIQUID ESCAPE, SHOULD ANY FIND ITS WAY IN**
- **ENGINE COOLING IS AIDED BY A TALLER SCREEN GUARD**
- **UP TO 250 HOURS BETWEEN AIR FILTER CHANGES, DEPENDING ON MOWING CONDITIONS**

**Kawasaki Engines**

**FT730-EFI / 26.0 HP**
### FS Series Engines

FS Series engines master the mid-duty jobs. Kawasaki Generation 2 FS engines reduce debris ingestion and enhance air flow, appealing to someone looking for easy-cleaning, cool-running power. Easy starting and smooth running add to operator comfort. With the FS, you get plenty of power, reliability that keeps mowers on the job, and clean, consistent results that impress customers.

- **Zero-Turn Riders**
- **Lawn and Garden Tractors**
- **Wide-Area Walk-Behind Mowers**

### Engine Specifications

**FS481V / 14.5 HP**
- **Number of Cylinders**: 2
- **Bore x Stroke**: 2.9 x 2.6 in. (73 x 72 mm)
- **Displacement**: 603 cc (36.8 cu. in.)
- **Compression Ratio**: 8.1:1
- **Maximum Power**: 14.5 hp (10.8 kW) / 3600 rpm
- **Maximum Torque**: 30.9 ft. lbs. (42.0 N•m) / 1800 rpm
- **Oil Capacity**: 1.8 quart (1.7 liter) with filter
- **Dry Weight**: 80.9 lbs. (36.7 kg)

**FS541V / 15.0 HP**
- **Number of Cylinders**: 2
- **Bore x Stroke**: 2.9 x 2.6 in. (73 x 72 mm)
- **Displacement**: 603 cc (36.8 cu. in.)
- **Compression Ratio**: 8.1:1
- **Maximum Power**: 15.0 hp (11.2 kW) / 3600 rpm
- **Maximum Torque**: 31.0 ft. lbs. (42.1 N•m) / 1800 rpm
- **Oil Capacity**: 1.8 quart (1.7 liter) with filter
- **Dry Weight**: 80.9 lbs. (36.7 kg)

**FS600V / 18.5 HP**
- **Number of Cylinders**: 2
- **Bore x Stroke**: 2.9 x 2.6 in. (73 x 72 mm)
- **Displacement**: 603 cc (36.8 cu. in.)
- **Compression Ratio**: 8.1:1
- **Maximum Power**: 18.5 hp (13.8 kW) / 3600 rpm
- **Maximum Torque**: 32.5 ft. lbs. (44.1 N•m) / 2000 rpm
- **Oil Capacity**: 1.8 quart (1.7 liter) with filter
- **Dry Weight**: 80.9 lbs. (36.7 kg)

### Features

- 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 grass chopper screen
- Integrated clean-out ports

---

**/fs481v / 14.5 HP
**/fs541v / 15.0 HP
**/fs600v / 18.5 HP

**FS SERIES**

**AIR-COOLED V-TWIN: VERTICAL SHAFT**

**FS SERIES**

**ENGINE TYPE FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE**

**Number of Cylinders**: 2

**Bore x Stroke**: 2.9 x 2.6 in. (73 x 72 mm)

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

**Compression Ratio**: 8.1:1

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

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

**Oil Capacity**: 1.8 quart (1.7 liter) with filter

**Dry Weight**: 80.9 lbs. (36.7 kg)

**ENGINE TYPE FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE**

**Number of Cylinders**: 2

**Bore x Stroke**: 2.9 x 2.6 in. (73 x 72 mm)

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

**Compression Ratio**: 8.1:1

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

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

**Oil Capacity**: 1.8 quart (1.7 liter) with filter

**Dry Weight**: 80.9 lbs. (36.7 kg)

**ENGINE TYPE FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE**

**Number of Cylinders**: 2

**Bore x Stroke**: 2.9 x 2.6 in. (73 x 72 mm)

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

**Compression Ratio**: 8.1:1

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

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

**Oil Capacity**: 1.8 quart (1.7 liter) with filter

**Dry Weight**: 80.9 lbs. (36.7 kg)
<table>
<thead>
<tr>
<th>ENGINE TYPE</th>
<th>FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE</th>
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<tbody>
<tr>
<td>Number of Cylinders</td>
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<tr>
<td>Bore x Stroke</td>
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<tr>
<td>Compression Ratio</td>
<td>8.2:1</td>
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<tr>
<td>Maximum Power</td>
<td>22.0 hp (16.4 kW) / 3600 rpm</td>
</tr>
<tr>
<td>Maximum Torque</td>
<td>39.4 ft. lbs. (53.3 N•m) / 2000 rpm</td>
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<tr>
<td>Oil Capacity</td>
<td>2.1 quart (2.0 liters) w/ filter</td>
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<td>Dry Weight</td>
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<td></td>
<td>90° V-twin</td>
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<td>Pressurized lubrication system</td>
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<td>Electronic spark ignition</td>
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<tr>
<td></td>
<td>Automatic compression release</td>
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<td></td>
<td>Dual element air filtration system with reinforced primary filter</td>
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<tr>
<td></td>
<td>Cast-iron cylinder liners</td>
</tr>
<tr>
<td></td>
<td>Rotating metal grass chopper screen</td>
</tr>
<tr>
<td></td>
<td>Integrated clean-out ports</td>
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<tr>
<td>Number of Cylinders</td>
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<tr>
<td>Bore x Stroke</td>
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<td>Compression Ratio</td>
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<td>Maximum Torque</td>
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<td>Oil Capacity</td>
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<td>Dry Weight</td>
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<td></td>
<td>90° V-twin</td>
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<td>Electronic spark ignition</td>
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<td>Dual element air filtration system with reinforced primary filter</td>
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<td>Rotating metal grass chopper screen</td>
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<td>Integrated clean-out ports</td>
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<td>Number of Cylinders</td>
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<tr>
<td>Bore x Stroke</td>
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<tr>
<td>Compression Ratio</td>
<td>8.2:1</td>
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<tr>
<td>Maximum Power</td>
<td>25.5 hp (19.0 kW) / 3600 rpm</td>
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<tr>
<td>Maximum Torque</td>
<td>40.0 ft. lbs. (54.2 N•m) / 2400 rpm</td>
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<tr>
<td>Oil Capacity</td>
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<td>Dry Weight</td>
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<tr>
<td></td>
<td>90° V-twin</td>
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<td>Pressurized lubrication system</td>
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<td>Electronic spark ignition</td>
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<td>Sequential multipoint fuel injection</td>
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<td>Compact electronic control unit</td>
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<td>High-pressure fuel injection</td>
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<td></td>
<td>Cast-iron cylinder liners</td>
</tr>
<tr>
<td></td>
<td>Integrated clean-out ports</td>
</tr>
</tbody>
</table>
THE MOST IMPORTANT PART OF ANY DESIGN IS GETTING IT RIGHT.

We thrive on knowing that improving what we do helps you improve what you do. Our engines’ performance is based on how efficient and productive they make you and your business, and we are constantly working to make them better. After all, constant innovation and reliability are what our reputation is built on, and we don’t take that lightly.
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**

### FR Series Engines

**FR541V / 15.0 HP**

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

**FR600V / 18.0 HP**

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

**FR651V / 21.5 HP**

- 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 Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>HP (kW)</th>
<th>Bore x Stroke (in. x mm)</th>
<th>Displacement (cc)</th>
<th>Compression Ratio</th>
<th>Maximum Power (hp / kW)</th>
<th>Maximum Torque (ft-lbs / N•m)</th>
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</thead>
<tbody>
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<td>FR541V</td>
<td>15.0 (11.2)</td>
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<td>603</td>
<td>8.1:1</td>
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<tr>
<td>FR600V</td>
<td>18.0 (13.4)</td>
<td>3.1 x 3.0 (78 x 76)</td>
<td>726</td>
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<td>18.0 (13.4 kW)</td>
<td>32.4 (44.0 N•m)</td>
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<td>FR651V</td>
<td>21.5 (16.0)</td>
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<td>726</td>
<td>8.2:1</td>
<td>21.5 (16.0 kW)</td>
<td>39.3 (53.3 N•m)</td>
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<table>
<thead>
<tr>
<th>Model</th>
<th>HP (kW)</th>
<th>Bore x Stroke (in. x mm)</th>
<th>Displacement (cc)</th>
<th>Compression Ratio</th>
<th>Maximum Power (hp / kW)</th>
<th>Maximum Torque (ft-lbs / N•m)</th>
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<td>FR541V</td>
<td>15.0 (11.2)</td>
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<td>21.5 (16.0 kW)</td>
<td>39.3 (53.3 N•m)</td>
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</table>
**FR691V / 23.0 HP**

- 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

**FR730V / 24.0 HP**

- 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 76 mm)
- Displacement: 726 cc (44.3 cu. in.)
- Compression Ratio: 8.2:1
- Maximum Power: 24.0 hp (17.9 kW) / 3600 rpm
- Maximum Torque: 39.7 ft. lbs. (53.9 N•m) / 2200 rpm
- Oil Capacity: 2.1 quart (2.0 liter) w/Filter
- Dry Weight: 88.2 lbs. (40.0 kg)

**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 76 mm)
- Displacement: 726 cc (44.3 cu. in.)
- Compression Ratio: 8.0:1
- Maximum Power: 23.0 hp (17.2 kW) / 3600 rpm
- Maximum Torque: 39.5 ft. lbs. (53.6 N•m) / 2200 rpm
- Oil Capacity: 2.1 quart (2.0 liter) w/Filter
- Dry Weight: 88.2 lbs. (40.0 kg)

**SAE CERTIFIED HORSEPOWER.**

Kawasaki was the first turf engine to be SAE Certified for consistent, accurate horsepower. When we make a horsepower claim, it is verified by a third-party and certified to deliver at least 98% of the stated horsepower. There is no stricter engine certification process than SAE J2723.

**3-YEAR LIMITED WARRANTY.**

Kawasaki engines are covered by one of the strongest warranties in the industry. For complete warranty details, go to: KawasakiEnginesUSA.com/Kawasaki-Warranties
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: SCISSOR LIFTS, TRENCHERS, TRASH PUMPS**

**FD SERIES**

**LIQUID-COOLED V-TWIN: HORIZONTAL SHAFT**

**FD750D / 25.0 HP**

- **ENGINE TYPE** LIQUID-COOLED V-TWIN 4-CYCLE, DIGITAL FUEL INJECTED, HORIZONTAL SHAFT OHV GASOLINE ENGINE
- **Number of Cylinders**: 2
- **Bore x Stroke**: 3.07 x 3.07 in. (78 x 78 mm)
- **Displacement**: 745 cc (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
- **Dry Weight**: 127.9 lbs. (58.0 kg)

**FD91D-DFI / 26.0 HP**

- **ENGINE TYPE** LIQUID-COOLED V-TWIN 4-CYCLE, DIGITAL FUEL INJECTED, HORIZONTAL SHAFT OHV GASOLINE ENGINE
- **Number of Cylinders**: 2
- **Bore x Stroke**: 3.2 x 3.1 in. (82 x 78 mm)
- **Displacement**: 824 cc (50.3 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
- **Dry Weight**: 130.1 lbs. (59.0 kg)

**FD851D-DFI / 31.0 HP**

- **ENGINE TYPE** LIQUID-COOLED V-TWIN 4-CYCLE, DIGITAL FUEL INJECTED, HORIZONTAL SHAFT OHV GASOLINE ENGINE
- **Number of Cylinders**: 2
- **Bore x Stroke**: 3.2 x 3.1 in. (82 x 78 mm)
- **Displacement**: 851 cc (51.8 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
- **Dry Weight**: 126.8 lbs. (57.5 kg)
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

FJ OPTIONS:
- SHAFT VARIATIONS / FLY WHEEL BRAKE / VARIOUS SPEED CONTROL OPTIONS / SPIN-ON OIL FILTER / FUEL TANK OPTION

Kawasaki ENGINES

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<tr>
<th>ENGINE TYPE</th>
<th>FORCED AIR-COOLED 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE</th>
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<tr>
<td>Bore x Stroke</td>
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<td>Displacement</td>
<td>179 cc (10.9 cu. in.)</td>
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<tr>
<td>Compression Ratio</td>
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<tr>
<td>Fuel Tank Capacity</td>
<td>Standard 1.9 Quart (1.8 liter)</td>
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<tr>
<td>Oil Capacity</td>
<td>0.6 quart (0.6 liter) with filter</td>
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<tr>
<td>Dry Weight</td>
<td>37.26 lbs. (16.9 kg)</td>
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</table>

FJ180V

- Pressurized lubrication
- Recoil starter with automatic compression release
- Dual element air filter, integrated into fan housing
- Rotating grass screen
- Flywheel magneto transistor ignition
- Combined crankcase design
- Low-tone muffler with guard
- Cast-iron cylinder liner and chrome plated piston rings

FJ180V KAI

- Pressurized lubrication
- Recoil starter with automatic compression release
- Dual element air filter, canister style
- Rotating grass screen
- Flywheel magneto transistor ignition
- Combined crankcase design
- Low-tone muffler with guard
- Dual element air filter, canister style
- Cast-iron cylinder liner and chrome plated piston rings

AIR-COOLED SINGLE CYLINDER:

VERTICAL SHAFT

ENGINE TYPE | FORCED AIR-COOLED 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE |
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<td>Compression Ratio</td>
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<td>Fuel Tank Capacity</td>
<td>Standard 1.69 Quart (1.6 liter)</td>
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<td>Oil Capacity</td>
<td>0.6 quart (0.6 liter)</td>
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<td>Dry Weight</td>
<td>37.5 lbs. (17.0 kg)</td>
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FJ OPTIONS:
- SHAFT VARIATIONS / FLY WHEEL BRAKE / VARIOUS SPEED CONTROL OPTIONS / SPIN-ON OIL FILTER / FUEL TANK OPTION

Kawasaki ENGINES

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<tr>
<td>Oil Capacity</td>
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<tr>
<td>Dry Weight</td>
<td>37.26 lbs. (16.9 kg)</td>
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</tbody>
</table>

FJ180V

- Pressurized lubrication
- Recoil starter with automatic compression release
- Dual element air filter, canister style
- Rotating grass screen
- Flywheel magneto transistor ignition
- Combined crankcase design
- Low-tone muffler with guard
- Cast-iron cylinder liner and chrome plated piston rings

FJ180V KAI

- Pressurized lubrication
- Recoil starter with automatic compression release
- Dual element air filter, canister style
- Rotating grass screen
- Flywheel magneto transistor ignition
- Combined crankcase design
- Low-tone muffler with guard
- Dual element air filter, canister style
- Cast-iron cylinder liner and chrome plated piston rings
When you build an engine out of superior parts, you get superior performance. We make sure you always have what your engine needs to live a longer, stronger life through genuine parts, specially formulated oils, and regular maintenance. Because we know your mower is a cornerstone of your growing business.

THE MOST IMPORTANT PART OF ANY GROWING BUSINESS IS BEING RELIABLE.
As a pro landscaper, you know that original equipment parts that aren’t crafted for your Kawasaki engine might work—or might not. They may introduce impurities into precision components, lead to rough running and wasted fuel, and could damage your engine. Why risk it? Protect your investment with parts crafted to fit and oil that is specifically tested for your Kawasaki engine: Kawasaki Genuine Parts. It’s the smart way to keep your Kawasaki-powered mowers doing what they do best.

**GENUINE PARTS**

**PROTECT YOUR INVESTMENT.**

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.

**ALL-NEW KTECH™ 4-CYCLE 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.

**KTECH™ 2-CYCLE OIL**

For use in all engines where API and JASO FD oil is recommended, Kawasaki 2-cycle engine oil is a synthetic blend that meets or exceeds the rigorous requirements of API TC, JASO FD and ISO EGD classifications for 2-cycle air-cooled small engine applications.

**ALL-NEW KTECH™ BAR & CHAIN OIL**

Designed to help protect bar and chain from rust and everyday wear and tear. Engineered with high-tack properties to maintain adhesion, even while chainsaw operates at the highest speed and power settings. Works with any brand of chainsaw.
**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 a 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.

**TUNE-UP KITS**

Kawasaki tune-up kits contain high-efficiency air and oil 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 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 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: 481V / 541V / 600V | 1” X 80 mm |
| 59341-0019 | FS & FX: 481V / 541V / 600V | 1 1/8” X 100 mm |
| 59341-0014 | FS & FX: 481V / 541V / 600V | 1 1/8” X 108.8 mm |
| 59341-0012 | FS & FX: 651V / 691V / 730V | 1” X 80 mm |
| 59341-0016 | FS & FX: 651V / 691V / 730V | 1 1/8” X 100 mm |
| 59341-0017 | FS & FX: 651V / 691V / 730V | 1 1/8” X 108.8 mm |
| 59341-0013 | FX751V / FX801V / FX850V | 1 1/8” X 108.8 mm |
| 59341-0015 | FX921V / FX1000V | 1 1/8” X 100 mm |
| 59341-0018 | FX921V / FX1000V | 1 1/8” X 108.8 mm |

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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.

**OIL FILTERS**

- PREMIUM FILTER
- BYPASS VALVE
- STEEL HOUSING
- ANTI-DRAIN BACK
- DURABLE END CAPS
- STAINLESS STAIN
- NYLON CORE

**TUNE-UP KITS**

- 10W-40 KIT # 20W-50 KIT # COMPATIBILITY (CARB ENGINES ONLY)
  - 99969-6411 99969-6412 FX921V / 1000V
  - 99969-6419 99969-6420 FX751V / 801V / 850V
  - 99969-6527 99969-6528 FX651V / 691V / 730V
  - 99969-6539 99969-6540 FX481V / 541V / 600V
  - 99969-6541 99969-6542 FR541V / FR600V
  - 99969-6417 99969-6418 FH451V / 500V / 531V / 541V / 580V
  - 99969-6415 99969-6416 FH381V KAI / 430V KAI / 480V KAI / 541V KAI / 580V KAI
  - 99969-6427 N/A FJ180V KAI
  - 99969-6543 99969-6544 FR651V / 691V / 730V
  - 99969-6545 99969-6546 FT730V

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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

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Fits Most Engines 49065-7010

Factory Installed On FR / FS / FT / FX 600 & 730 Series Engines 49065-0721

Replaces 49065-7007

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You don’t always have to replace a hard-working mower—renew its power and productivity with a fresh Kawasaki engine. Direct, same-model Kawasaki replacement engines make installation easier. You may be able to upgrade to a different Kawasaki model, revitalizing 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 to get the most from your mowers.

“ALOT OF TIMES IT’S MORE COST EFFECTIVE AND QUICKER FOR THE CUSTOMER TO PUT IN A NEW ENGINE. AND 99 TIMES OUT OF 100, I’M GOING TO PUT IN A KAWASAKI.”

SUE ZILMER, OWNER, DOUG’S POWER EQUIPMENT
### COMPLETE LINE OF 2020 ENGINES

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<th>ENGINE MODEL</th>
<th>AIR COOLED</th>
<th>LIQUID COOLED</th>
<th>OVERHEAD 30° V-TWIN</th>
<th>SINGLE CYLINDER</th>
<th>TWIN CYLINDER</th>
<th>CARBURETED</th>
<th>FUEL INJECTION</th>
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### OPTIONAL FEATURES

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### CRANK SHAFT SIZE OPTIONS

| FX SERIES | 1" x 80 mm, 1 1/4" x 100 mm, 1 1/4" x 108.8 mm |
| FT SERIES | 1 1/4" x 108.8 mm |
| FS SERIES | 1" x 80 mm, 1 1/4" x 108.8 mm |
| FR SERIES | 1" x 80 mm, 1 1/4" x 100 mm, 1 1/4" x 108.8 mm |

Kawasaki was the first turf engine to be SAE Certified for consistent, accurate horsepower. Critical Power is rated per SAE J2723, the strictest certification process in the industry, so you get all the hard-working power you expect. Kawasaki was the first turf engine to apply this 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.

Only the SAE Certified 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. 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-CERTIFIED 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 lawnmower 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.
THE MOST IMPORTANT PART OF ANY RELATIONSHIP IS TRUST.

Our unwavering commitment to uncompromising quality doesn’t stop at our products. We invest as much in our relationships with all of our customers as we do in our engines. And we are as dedicated to your business as we are to ours.
Things that move, things that produce, things that change the way the world works. But the most important part of everything we build is TRUST.

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