

Kawasaki
— ENGINES —
THE TRUSTED ONE

2020

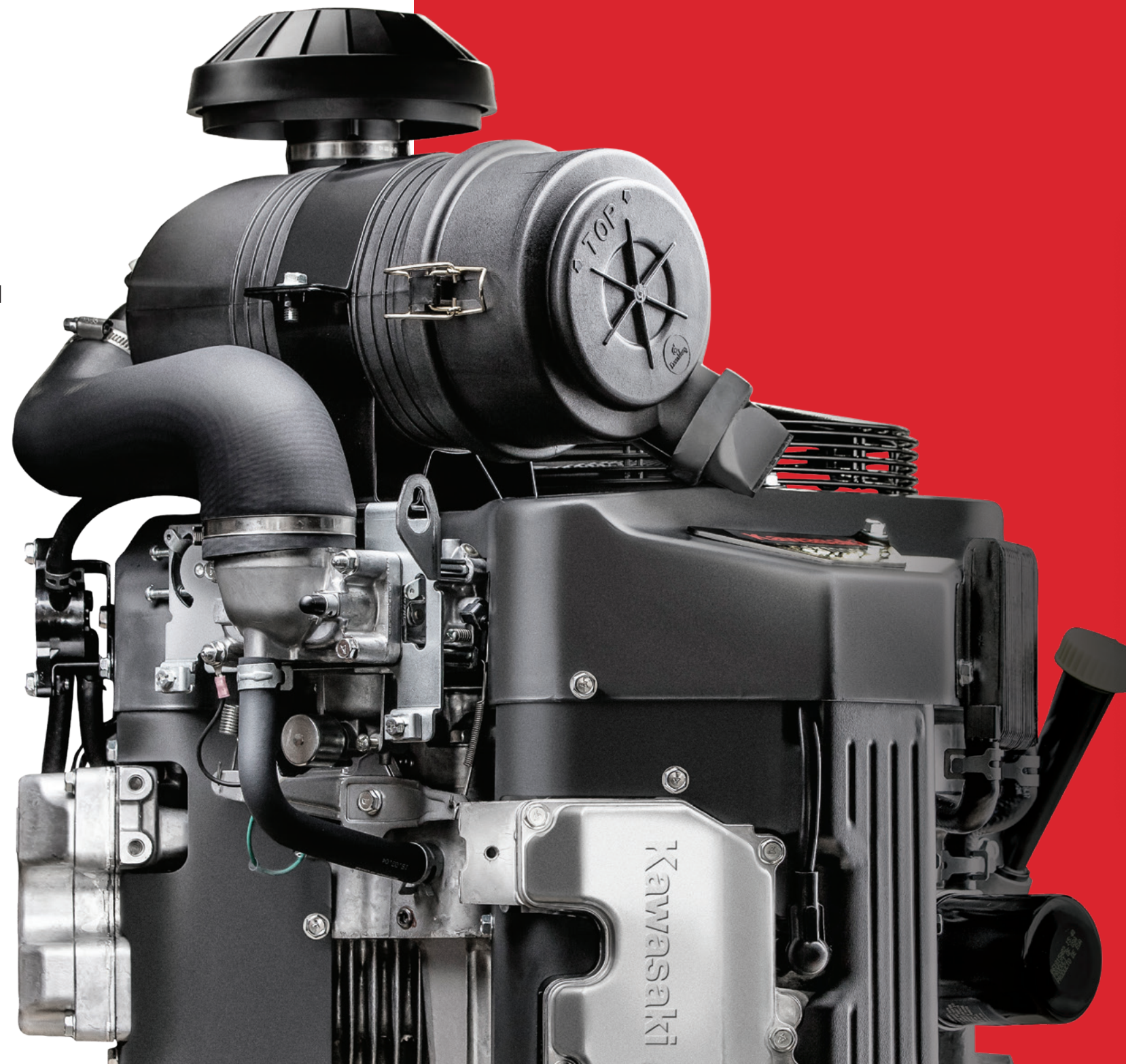
PRODUCT CATALOG

WE BUILD
TRUST



WE BUILD POWERFUL THINGS.

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.**



Kawasaki
— ENGINES —

- 6 FX SERIES
- 13 EFI TECHNOLOGY
- 16 FT SERIES
- 17 VORTICAL AIR FILTRATION
- 18 FS SERIES
- 24 FR SERIES
- 27 PROVEN TRUST
- 28 FD SERIES
- 31 FJ SERIES
- 34 GENUINE PARTS
- 39 REPOWER
- 40 ENGINE LINE
- 41 OPTIONAL FEATURES

Product images shown in this catalog are for illustrative purposes only. Actual products and product specifications are subject to change.



**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.

FX SERIES

AIR-COOLED V-TWIN: VERTICAL SHAFT

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

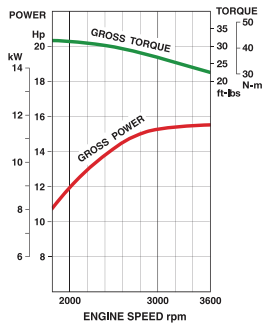
Kawasaki
— ENGINES —

FX481V / 15.5 HP



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 72 mm)
Displacement	603 cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	15.5 hp (11.6 kW) / 3600 rpm
Maximum Torque	31.7 ft-lbs (42.9 N•m) / 1800 rpm
Oil Capacity	1.8 quart (1.7 liter) w/filter
Dry Weight	89.7 lbs. (40.7 kg)

- 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



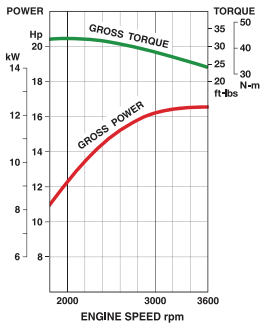
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FX541V / 16.5 HP



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 72 mm)
Displacement	603 cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	16.5 hp (12.3 kW) / 3600 rpm
Maximum Torque	32.2 ft-lbs (43.6 N•m) / 2000 rpm
Oil Capacity	1.8 quart (1.7 liter) w/filter
Dry Weight	89.7 lbs (40.7 kg)

- 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



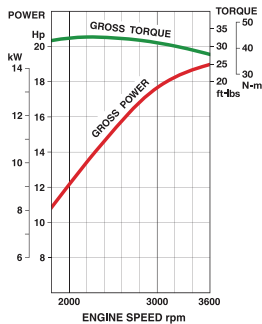
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FX600V / 19.0 HP



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 72 mm)
Displacement	603 cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	19.0 hp (14.2 kW) / 3600 rpm
Maximum Torque	32.5 ft-lbs (44.0 N•m) / 2200 rpm
Oil Capacity	1.8 quart (1.7 liter) w/filter
Dry Weight	89.7 lbs (40.7 kg)

- 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



SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FX651V / 20.5 HP



FX691V / 22.0 HP



FX730V / 23.5 HP



FX730V-EFI / 25.5 HP



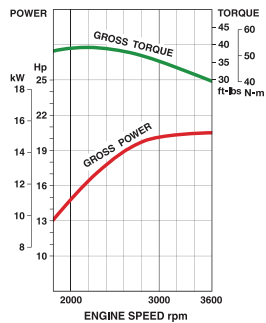
ENGINE TYPE	FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	20.5 hp (15.3 kW) / 3600 rpm
Maximum Torque	39.0 ft-lbs (52.9 N•m) / 2200 rpm
Oil Capacity	2.2 quart (2.1 liter) w/filter
Dry Weight	101.4 lbs (46.0 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	8.2:1
Maximum Power	22.0 hp (16.4 kW) / 3600 rpm
Maximum Torque	39.3 ft-lbs (53.2 N•m) / 2200 rpm
Oil Capacity	2.2 quart (2.1 liter) w/filter
Dry Weight	101.4 lbs (46.0 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	8.2:1
Maximum Power	23.5 hp (17.5 kW) / 3600 rpm
Maximum Torque	39.7 ft-lbs (53.8 N•m) / 2400 rpm
Oil Capacity	2.2 quart (2.1 liter) w/filter
Dry Weight	101.4 lbs (46.0 kg)

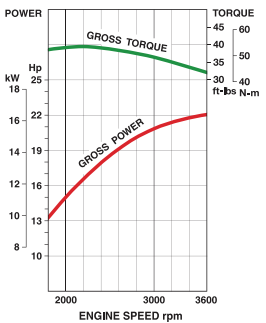
ENGINE TYPE	FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.5 hp (19.0 kW) / 3600 rpm
Maximum Torque	40.1 ft-lbs (54.4 N•m) / 2800 rpm
Oil Capacity	2.2 quart (2.1 liter) w/filter
Dry Weight	110.7 lbs (50.2 kg)

- 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



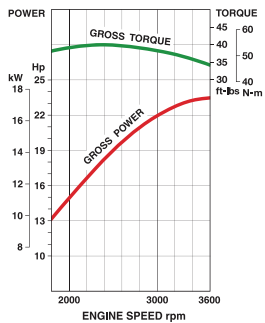
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

- 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



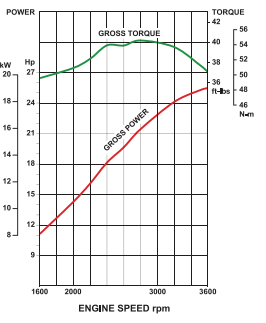
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

- 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



SAE J1995
CERTIFIED
POWER.
An SAE International Standard

- 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



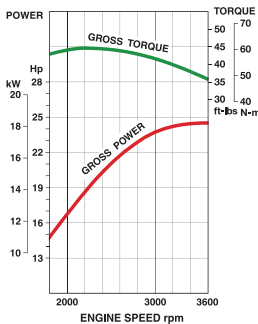
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FX751V / 24.5 HP



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	46.5 ft-lbs (63.0 N•m) / 2200 rpm
Oil Capacity	2.4 quart (2.3 liter) w/filter
Dry Weight	124 lbs (56.4 kg)

- 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



SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FX801V / 25.5 HP



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	45.8 ft-lbs (62.0 N•m) / 2200 rpm
Oil Capacity	2.4 quart (2.3 liter) w/filter
Dry Weight	124 lbs (56.4 kg)

- 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



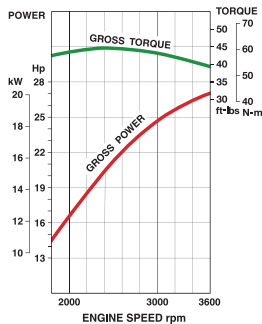
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FX850V / 27.0 HP



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	45.6 ft-lbs (61.8 N•m) / 2400 rpm
Oil Capacity	2.4 quart (2.3 liter) w/filter
Dry Weight	124 lbs (56.4 kg)

- 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



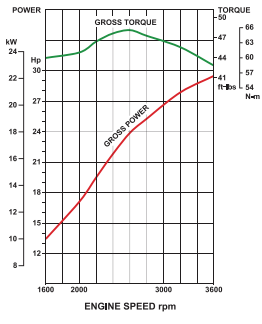
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FX850V-EFI / 29.5 HP



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)

- 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



SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FX921V / 31.0 HP

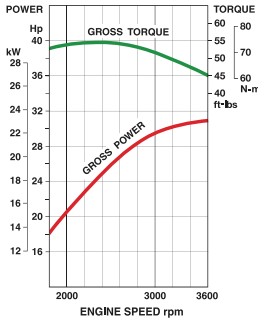


FX1000V / 35.0 HP



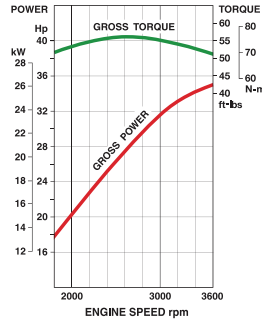
ENGINE TYPE	FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE
Number of Cylinders	2
Bore x Stroke	3.5 x 3.15 in. (89.15 x 80 mm)
Displacement	999 cc (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	31.0 hp (23.1 kW) / 3600 rpm
Maximum Torque	53.9 ft-lbs (73.0 N•m) / 2400 rpm
Oil Capacity	2.0 quart (1.9 liter) w/filter
Dry Weight	138.0 lbs (62.6 kg)

- 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



ENGINE TYPE	FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE
Number of Cylinders	2
Bore x Stroke	3.5 x 3.15 in. (89.15 x 80 mm)
Displacement	999 cc (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	35.0 hp (26.1 kW) / 3600 rpm
Maximum Torque	56.0 ft-lbs (75.9 N•m) / 2600 rpm
Oil Capacity	2.0 quart (1.9 liter) w/filter
Dry Weight	138.0 lbs (62.6 kg)

- 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



ADVANCED EFI

CUTTING-EDGE POWER

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.



OPEN-LOOP TECHNOLOGY
ADVANCED, FUEL EFFICIENT, AND RELIABLE

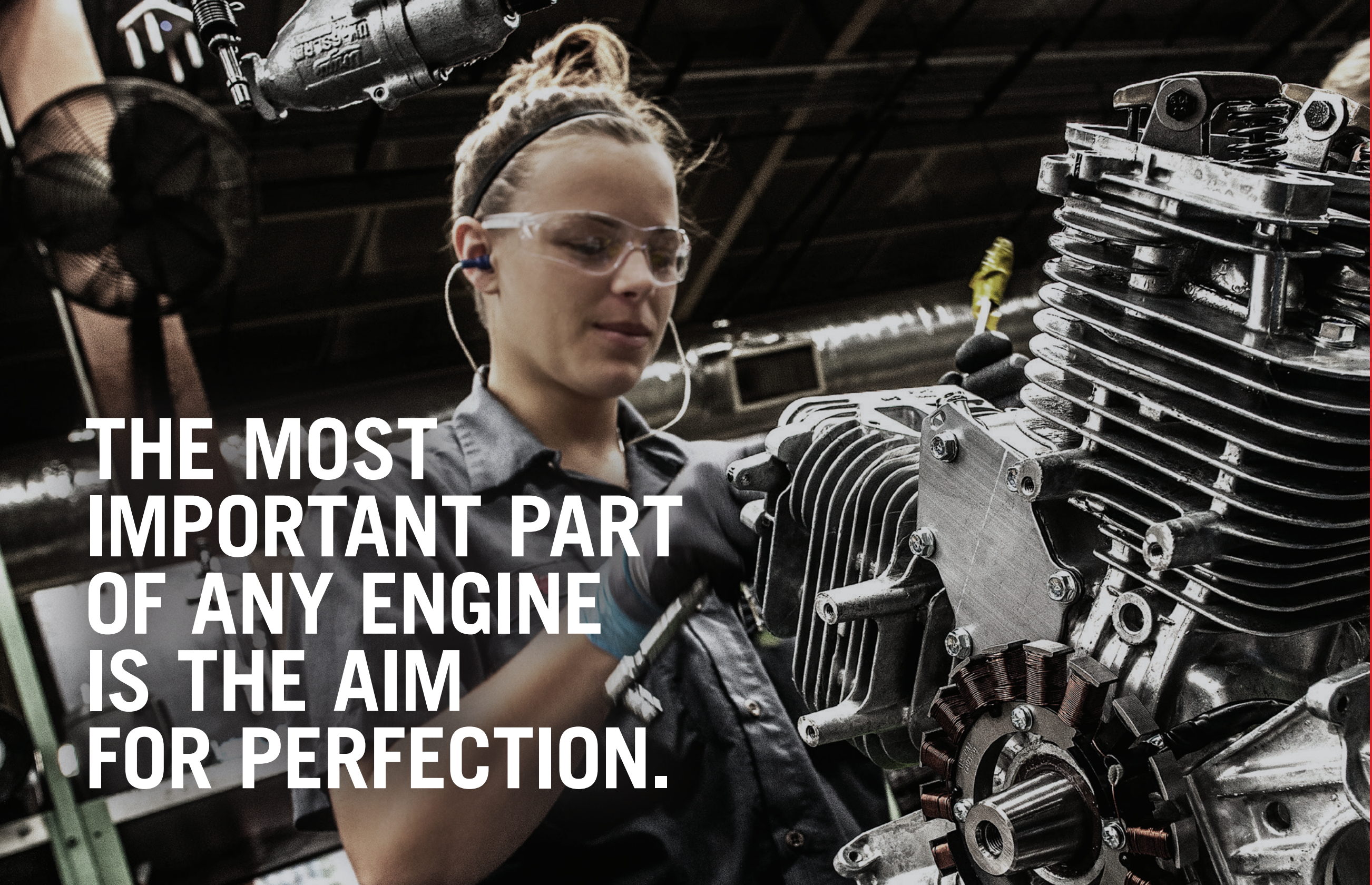
HIGH-ENERGY IGNITION
FAST STARTS IN HOT OR COLD, WET OR DRY CONDITIONS

HIGH-PRESSURE FUEL SYSTEM
CONSISTENT FUEL DELIVERY AND SMOOTH OPERATION IN 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



**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.



FT SERIES

AIR-COOLED V-TWIN: VERTICAL SHAFT

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 vortical air filtration system puts 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

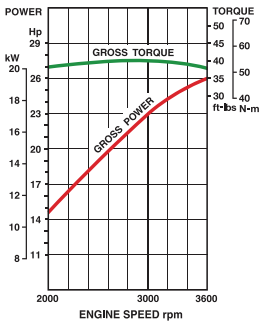
Kawasaki
— ENGINES —

FT730V-EFI / 26.0 HP



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	26.0 hp (19.4 kW) / 3600 rpm
Maximum Torque	40.9 ft-lbs (55.4 N•m) / 2800 rpm
Oil Capacity	2.2 quart (2.1 liter) w/filter
Dry Weight	103.2 lbs (46.8 kg)

- 90° V-Twin
- Centrifugal air intake system
- Integrated clean-out ports
- Integrated electronic throttle control unit
- Pressurized lubrication system
- Electronic spark ignition
- 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



SAE J1995
CERTIFIED
POWER.
An SAE International Standard

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

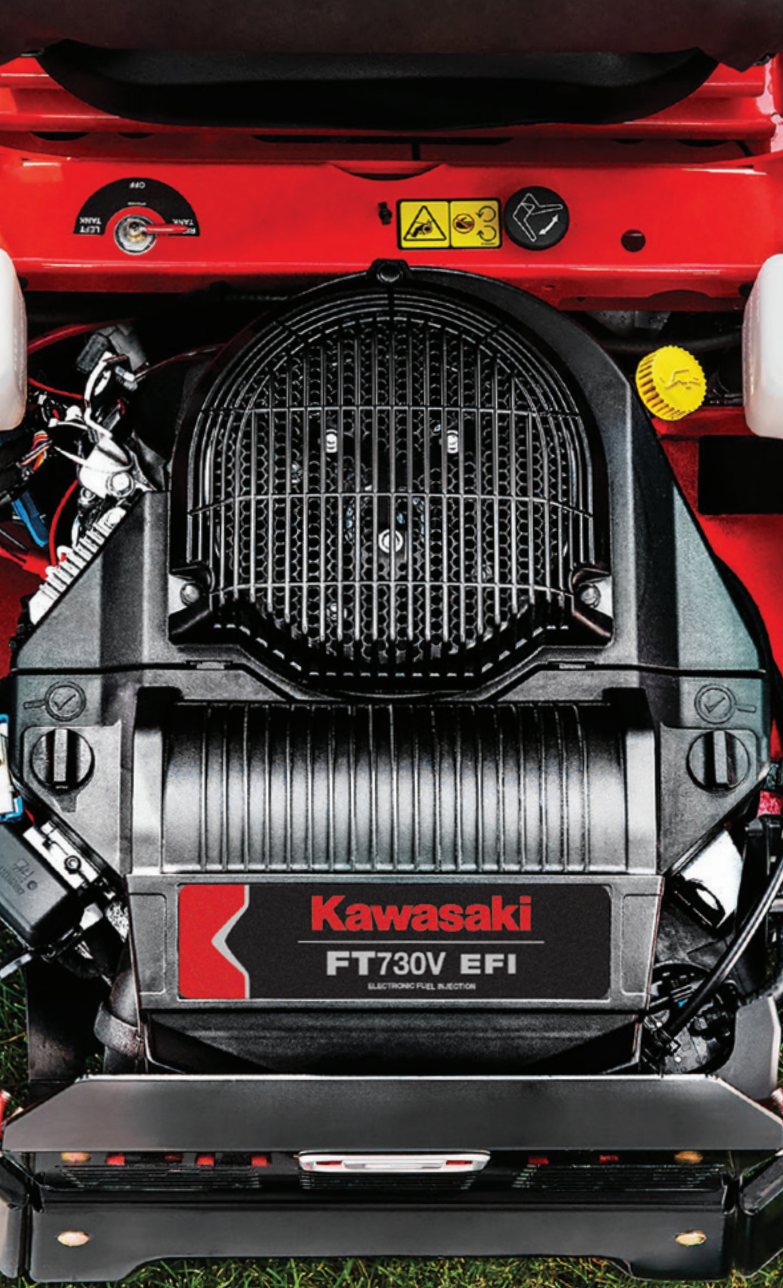
Two things set this engine apart: proven Kawasaki EFI, featuring our own integrated electronic throttle control system, and vortical air filtration technology that minimizes debris.

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



VORTICAL
AIR FILTRATION



FS SERIES

AIR-COOLED V-TWIN: VERTICAL SHAFT

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

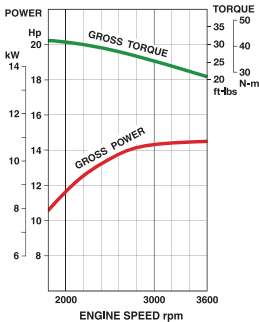
Kawasaki
— ENGINES —

FS481V / 14.5 HP



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 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 (41.9 N•m) / 1800 rpm
Oil Capacity	1.8 quart (1.7 liter) w/filter
Dry Weight	80.9 lbs (36.7 kg)

- 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



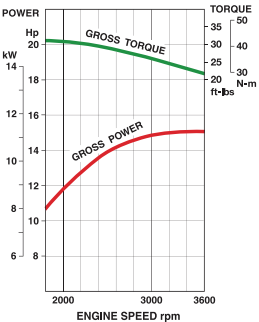
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FS541V / 15.0 HP



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 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 (42.0 N•m) / 1800 rpm
Oil Capacity	1.8 quart (1.7 liter) w/filter
Dry Weight	80.9 lbs (36.7 kg)

- 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



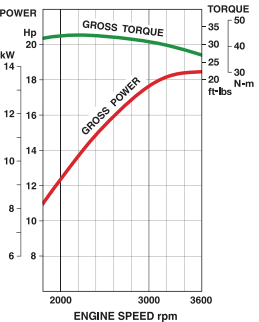
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FS600V / 18.5 HP



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 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	32.3 ft-lbs (43.8 N•m) / 2200 rpm
Oil Capacity	1.8 quart (1.7 liter) w/filter
Dry Weight	80.9 lbs (36.7 kg)

- 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



SAE J1995
CERTIFIED
POWER.
An SAE International Standard

FS651V / 22.0 HP



FS691V / 23.0 HP



FS730V / 24.0 HP

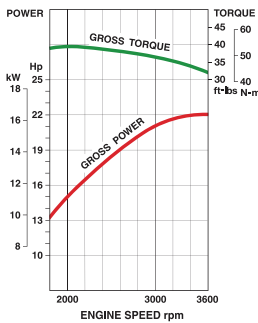


FS730V-EFI / 25.5 HP



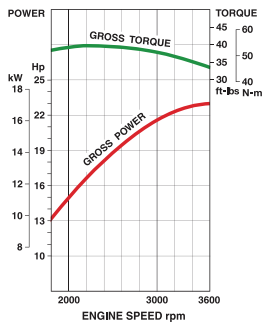
ENGINE TYPE	FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	22.0 hp (16.4 kW) / 3600 rpm
Maximum Torque	39.3 ft-lbs (53.3 N•m) / 2000 rpm
Oil Capacity	2.1 quart (2.0 liter) w/filter
Dry Weight	90.4 lbs (41.0 kg)

- 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



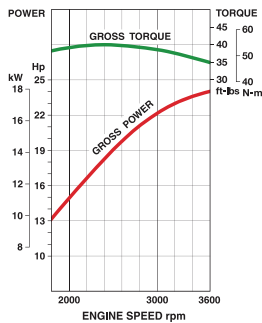
ENGINE TYPE	FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	23.0 hp (17.2 kW) / 3600 rpm
Maximum Torque	39.6 ft-lbs (53.6 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/filter
Dry Weight	90.4 lbs (41.0 kg)

- 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



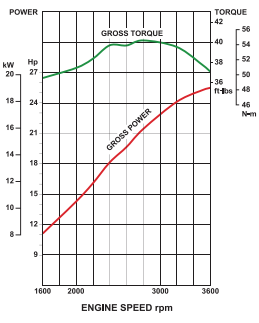
ENGINE TYPE	FORCED AIR-COOLED V-TWIN 4-CYCLE VERTICAL SHAFT OHV GASOLINE ENGINE
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	24.0 hp (17.9 kW) / 3600 rpm
Maximum Torque	40.0 ft-lbs (54.2 N•m) / 2400 rpm
Oil Capacity	2.1 quart (2.0 liter) w/filter
Dry Weight	90.4 lbs (41.0 kg)

- 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



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	25.5 hp (19.0 kW) / 3600 rpm
Maximum Torque	40.1 ft-lbs (54.3 N•m) / 2400 rpm
Oil Capacity	2.2 quart (2.1 liter) w/filter
Dry Weight	91.5 lbs (41.5 kg)

- 90° V-twin
- Integrated electronic throttle control unit
- Pressurized lubrication system
- Electronic ignition with variable spark timing
- Automatic compression release
- Sequential multiport 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





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

AIR-COOLED V-TWIN: VERTICAL SHAFT

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

Kawasaki
— ENGINES —

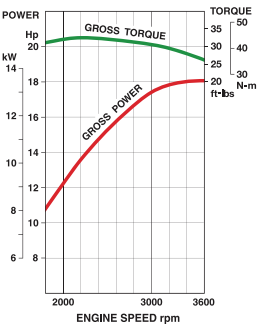


FR600V / 18.0 HP



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 72 mm)
Displacement	603 cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	18.0 hp (13.4 kW) / 3600 rpm
Maximum Torque	32.3 ft-lbs (43.7 N•m) / 2200 rpm
Oil Capacity	1.8 quart (1.7 liter) w/filter
Dry Weight	80.9 lbs (36.7 kg)

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

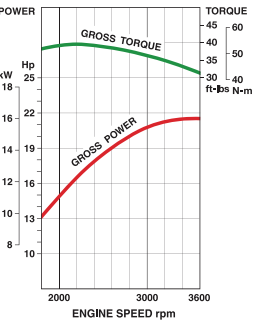


FR651V / 21.5 HP



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	21.5 hp (16.0 kW) / 3600 rpm
Maximum Torque	39.3 ft-lbs (53.2 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/filter
Dry Weight	88.2 lbs (40.0 kg)

- 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

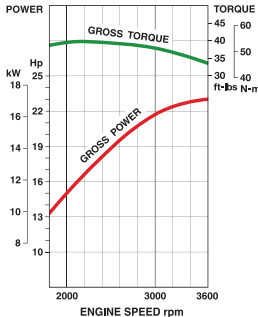


FR691V / 23.0 HP



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	23.0 hp (17.2 kW) / 3600 rpm
Maximum Torque	39.3 ft-lbs (53.2 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/filter
Dry Weight	88.2 lbs (40.0 kg)

- 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

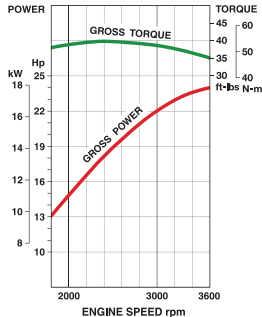


FR730V / 24.0 HP



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	39.8 ft-lbs (53.9 N•m) / 2400 rpm
Oil Capacity	2.1 quart (2.0 liter) w/filter
Dry Weight	88.2 lbs (40.0 kg)

- 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



PROVEN TRUST



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: three years. For complete warranty details, go to: [KawasakiEnginesUSA.com/Kawasaki-Warranties](https://www.kawasakieninesusa.com/kawasaki-warranties)

FD SERIES

LIQUID-COOLED V-TWIN: HORIZONTAL SHAFT

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

Kawasaki
— ENGINES —

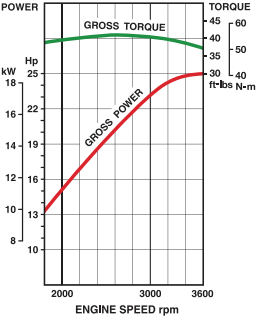


FD750D / 25.0 HP



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	41.0 ft-lbs (55.5 N•m) / 2600 rpm
Oil Capacity	2.1 quart (2.0 liter) w/filter
Dry Weight	127.9 lbs (58.0 kg)

- 90° V-twin
- Oil pressure switch
- Twin barrel carburetor with fuel shut-off solenoid
- Water temperature switch
- Multi-position, dual element air cleaner
- Magneto spark ignition



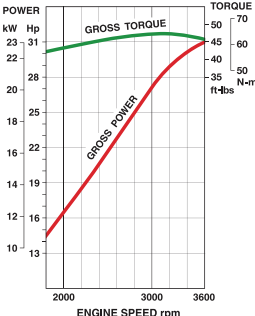
SAE J1995
CERTIFIED
POWER.
An SAE International Standard

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	824 cc (50.3 cu. in.)
Compression Ratio	9.0:1
Maximum Power	31.0 hp (23.1 kW) / 3600 rpm
Maximum Torque	47.5 ft-lbs (64.3 N•m) / 3200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/filter
Dry Weight	126.8 lbs (57.5 kg)

- 90° V-twin
- Multi-port digital fuel injection
- Compact electronic control unit
- Choke-free operation
- Electronic cold operation enrichment
- Electronic altitude compensation
- High-pressure electronic fuel pump
- Water temperature switch
- Electronic ignition with spark advancement



SAE J1995
CERTIFIED
POWER.
An SAE International Standard



FJ/FJ KAI™

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 —

FJ180V



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 54 mm)
Displacement	179 cc (10.9 cu. in.)
Compression Ratio	8.5:1
Fuel Tank Capacity	1.69 Quart (1.6 liter) Standard
Oil Capacity	0.6 quart (0.6 liter)
Dry Weight	37.5 lbs (17.0 kg)

- 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™



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 54 mm)
Displacement	179 cc (10.9 cu. in.)
Compression Ratio	8.5:1
Fuel Tank Capacity	1.9 Quart (1.8 liter) Standard
Oil Capacity	0.6 quart (0.6 liter) w/filter
Dry Weight	37.26 lbs (16.9 kg)

- Pressurized lubrication
- Recoil starter with automatic compression release
- Dual element air filter, canister style
- Serviceable recoil starter
- Rotating grass screen
- Flywheel magneto transistor ignition
- Combined crankcase design
- Low-tone muffler with guard
- 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.














GENUINE PARTS

PROTECT YOUR INVESTMENT.

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.

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.

 SAE 5W-30 1 Quart Bottle 99969-6500	 SAE 30 1 Quart Bottle 99969-6281	 SAE 10W-30 1 Quart Bottle 99969-6081
 SAE 10W-40 1 Quart Bottle 99969-6296	 SAE 15W-50 1 Quart Bottle 99969-6501	 SAE 20W-50 1 Quart Bottle 99969-6298
 SAE 10W-40 5 Quart Bottle 99969-6503	 SAE 15W-50 5 Quart Bottle 99969-6502	 SAE 20W-50 5 Quart Bottle 99969-6504

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.

 2.6 oz. 1 Gallon Mix Bottle 99969-6082C	 5.2 oz. 2 Gallon Mix Bottle 99969-6083C	 6.4 oz. 2.5 Gallon Mix Bottle 99969-6084C
 12.8 oz. 5 Gallon Mix Bottle 99969-6085C	 1 Gallon Bottle 99969-6086C	

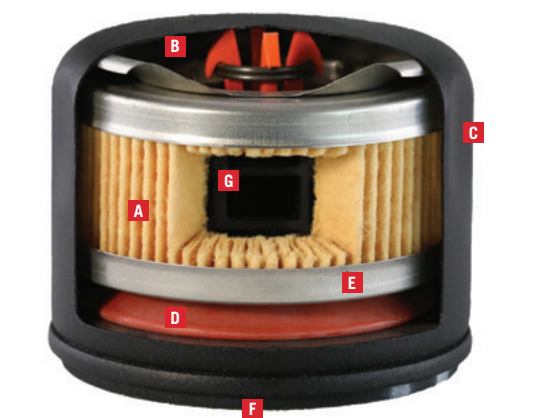
ALL-NEW KTECH™ BAR & CHAIN OIL

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.

 1 Quart Bottle 99969-6505	 1 Gallon Bottle 99969-6506
---	--

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.



- A PREMIUM FILTER
- B BYPASS VALVE
- C STEEL HOUSING
- D ANTI-DRAIN BACK
- E DURABLE END CAPS
- F RUBBER O-RING
- G NYLON CORE



Fits Most Engines
49065-7010



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

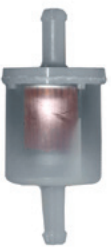
*Replaces 49065-7007

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.



FS / FT / FX
EFI / Carb Fuel Filter
49019-0031



FJ / FR / FS / FX
Carb Fuel Filter
49019-0027



FD Fuel Filter
49019-0032

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.



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
99969-6543	99969-6544	FR651V / 691V / 730V FS481V / 541V / 600V / 651V / 691V / 730V
99969-6541	99969-6542	FR541V / FR600V
99969-6413	99969-6414	FH601V / 641V / 661V / 680V / 721V / 770D KAI
99969-6407	99969-6408	FH601V / 641V / 661V / 680V / 721V
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
99969-6545	99969-6546	FT730V

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

Kawasaki short block assemblies are covered by a 90-day warranty from the retail sale date. For complete warranty details, visit [kawasakianginesusa.com/kawasaki-warranties](https://www.kawasakianginesusa.com/kawasaki-warranties)



REPOWER

“A LOT 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

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.

COMPLETE LINE OF 2020 ENGINES										
ENGINE MODEL	AIR-COOLED	LIQUID-COOLED	OVERHEAD 90° V-TWIN	SINGLE CYLINDER	TWO CYLINDER	CARBURETED	FUEL INJECTION	HORIZONTAL SHAFT	VERTICAL SHAFT	HORSEPOWER
FD750D		•	•		•	•		•		25.0
FD791D-DFI		•	•		•		•	•		26.0
FD851D-DFI		•	•		•		•	•		31.0
FJ180V	•			•		•			•	179 cc
FJ180V KAI	•			•		•			•	179 cc
FR541V	•		•		•	•			•	15.0
FR600V	•		•		•	•			•	18.0
FR651V	•		•		•	•			•	21.5
FR691V	•		•		•	•			•	23.0
FR730V	•		•		•	•			•	24.0
FS481V	•		•		•	•			•	14.5
FS541V	•		•		•	•			•	15.0
FS600V	•		•		•	•			•	18.5
FS651V	•		•		•	•			•	22.0
FS691V	•		•		•	•			•	23.0
FS730V	•		•		•	•			•	24.0
FS730V-EFI	•		•		•		•		•	25.5
FT730V-EFI	•		•		•		•		•	26.0
FX481V	•		•		•	•			•	15.5
FX541V	•		•		•	•			•	16.5
FX600V	•		•		•	•			•	19.0
FX651V	•		•		•	•			•	20.5
FX691V	•		•		•	•			•	22.0
FX730V	•		•		•	•			•	23.5
FX730V-EFI	•		•		•		•		•	25.5
FX751V	•		•		•	•			•	24.5
FX801V	•		•		•	•			•	25.5
FX850V	•		•		•	•			•	27.0
FX850V-EFI	•		•		•		•		•	29.5
FX921V	•		•		•	•			•	31.0
FX1000V	•		•		•	•			•	35.0

OPTIONAL FEATURES					
ENGINE SERIES	FX	FT	FS	FR	FD
MULTI POSITION RECOIL 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. 37	See Pg. 37	See Pg. 37	See Pg. 37	See Pg. 37
FILTER MINDER AVAILABLE	•				•
SHORT BLOCK AVAILABLE	See Pg. 37		See Pg. 37		

CRANK SHAFT SIZE OPTIONS	
FX SERIES	1" x 80 mm, 1 1/8" x 100 mm, 1 1/8" x 108.8 mm
FT SERIES	1 1/8" x 108.8 mm
FS SERIES	1" x 80 mm, 1 1/8" x 108.8 mm
FR SERIES	1" x 80 mm, 1 1/8" x 100 mm, 1 1/8" 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.



Kawasaki
— ENGINES —
THE TRUSTED ONE

2020
PRODUCT CATALOG

**WE BUILD
POWERFUL
THINGS.**

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.**

KawasakiEnginesUSA.com

©2020 KAWASAKI MOTORS CORP., U.S.A.
PRINTED IN THE U.S.A.
P/N 99969-6550

BARCODE SPACE FPO