

# Kawasaki | 2016

Engines



FX1000V



# IT'S NOT JUST AN ENGINE. IT'S YOUR LIVING.

From the start, our engines have been built to power your success. Our intensive engineering adds value to high-performance mowers. Landscapers trust our dealers for premium power and fast, expert service. Our dependable turf performance makes those pros highly productive, season after season. Up and down the channel, Kawasaki engines empower ambition, growth and success. This year, new technologies make our proven engines even better. So now, more than ever, when your living depends on precision engineered, customer-pleasing, hard-working power, you can count on Kawasaki.

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# NEW KAWASAKI EFI. MOW MORE, MAKE MORE.

Forget time-wasting slowdowns in high grass, power loss on hills, and constant schedule-killing re-cuts. Kawasaki EFI's integrated electronic governor, advanced ECU and open-loop design combine to lock in maximum blade speed, adjust cutting torque as you mow, and power through heavy turf, tall-grass,

inclines and open lawns with the same razor-sharp results. Instead of bogging down, productivity goes up. With this all-new technology, you can do more in less time, move on to more jobs, and make more money. All while saving fuel. And all with the durable reliability Kawasaki is known for.





# WHERE “WORTH THE MONEY” BEGINS.

Almost all Kawasaki turf engines come from a place that's grounded in hard work and solid value: Maryville, Missouri, in the heart of the Midwest, home to Kawasaki Motors Manufacturing Corp., U.S.A. This is where we take the best global and domestic parts and build them into one of the most reliable mower engines anywhere. Every part and process is tested, inspected and verified, cradle to completion, by the builders

themselves. Every finished engine—not just random samples—is fired up and final-tested to nail OEM specs and ensure Kawasaki's reputation for performance. By the time it reaches you, there's no question that your Kawasaki engine is well worth its price. More important, it's worth your trust.





FX Series engines are top of the line, for jobs that accept nothing less. They're engineered for the most demanding applications, built to the most exact tolerances, and offer a wide choice of models to deliver precisely the horsepower and torque you need for specific tasks. Their compact footprint fits your equipment for easier installation, and 100% heavy-duty components ensure long-term durability.

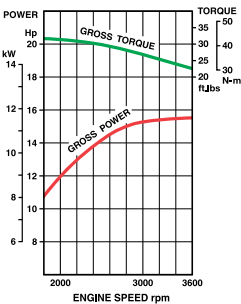
- Commercial mowers
- Heavy-duty industrial and construction equipment

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 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	15.5hp (11.6kW) / 3600 rpm
Maximum Torque	31.4 ft. lbs. (42.6 N•m) / 1800 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	89.7 lbs. (40.7kg)

- 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

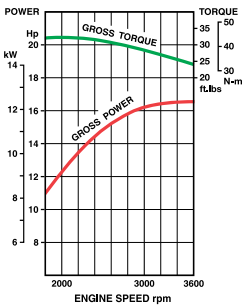


# FX541V / 16.5 HP



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	16.5hp (12.3kW) / 3600 rpm
Maximum Torque	32.1 ft. lbs. (43.4 N•m) / 2000 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	89.7 lbs. (40.7kg)

- 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



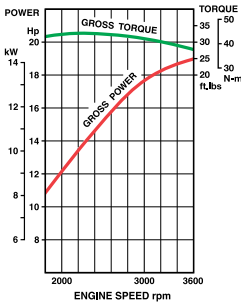
**CRITICAL  
POWER**

# 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 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	19.0hp (14.2kW) / 3600 rpm
Maximum Torque	32.5 ft. lbs. (44.1 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	89.7 lbs. (40.7kg)

- 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



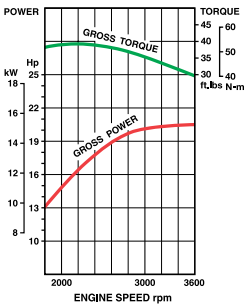
**CRITICAL  
POWER**

# FX651V / 20.5 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 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)

- 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



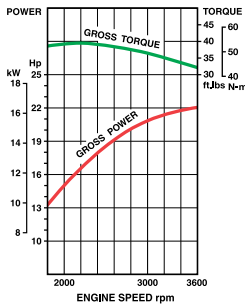
**CRITICAL  
POWER**

# FX691V / 22.0 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 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)

- 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



**CRITICAL  
POWER**

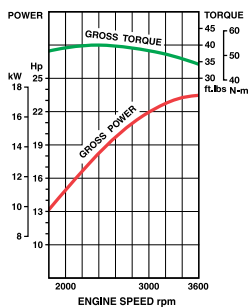


## FX730V / 23.5 HP



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 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)

- 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



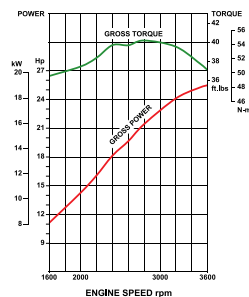
**CRITICAL  
POWER**

## FX730V-EFI



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)

- 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



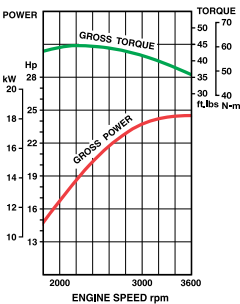


# FX751V / 24.5 HP



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 76mm)
Displacement	852cc (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	24.5hp (18.3kW) / 3600 rpm
Maximum Torque	44.4 ft. lbs. (60.2 N•m) / 2200 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	124 lbs. (56.4kg)

- 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



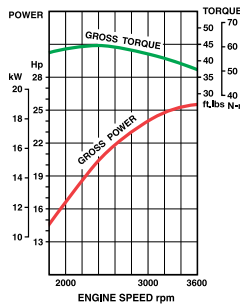
**CRITICAL POWER**

# 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 76mm)
Displacement	852cc (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.5hp (19.0kW) / 3600 rpm
Maximum Torque	44.6 ft. lbs. (60.5 N•m) / 2400 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	124 lbs. (56.4kg)

- 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



**CRITICAL POWER**

FX850V / 27.0 HP



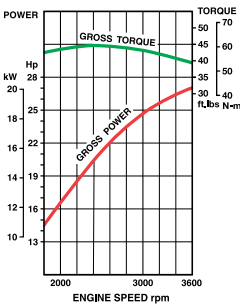
FX921V / 31.0 HP



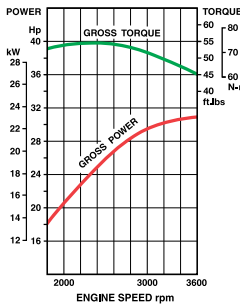
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76mm)
Displacement	852cc (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	27.0hp (20.1kW) / 3600 rpm
Maximum Torque	44.6 ft. lbs. (60.5 N•m) / 2400 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	124 lbs. (56.4kg)

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 80mm)
Displacement	999cc (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	31.0hp (23.1kW) / 3600 rpm
Maximum Torque	54.3 ft. lbs. (73.6 N•m) / 2400 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	138.0 lbs. (62.6kg)

- 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



- 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



## FX1000V / 35.0 HP



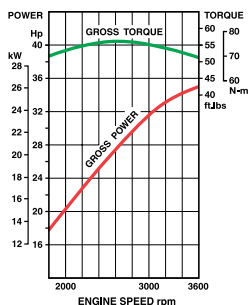
## FX850V LPG



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 80mm)
Displacement	999cc (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	35.0hp (26.1kW) / 3600 rpm
Maximum Torque	56.0 ft. lbs. (75.9 N•m) / 2800 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	138.0 lbs. (62.6kg)

ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Horizontal Shaft OHV LPG Engine
Bore x Stroke	3.3 x 3.0 in. (84.5 x 76mm)
Displacement	852cc (52.0 cu. in.)
Compression Ratio	8.2:1
Oil Capacity (dry)	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	124.3 lbs. (56.4kg)

- 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



**CRITICAL  
POWER**

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





FS Series engines deliver robust performance to help make heavy landscape work a little easier. They're engineered to start fast, run smooth and quiet, survive the grit and grime of heavy labor, and keep your equipment working season after season for optimum productivity and maximum payback.

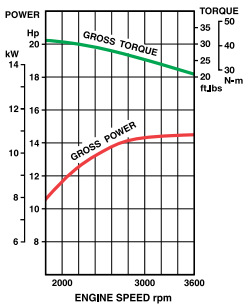
- Zero-turn riders
- Lawn and garden tractors
- Wide-area walk-behind mowers

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 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 (no muffler)	80.9 lbs. (36.7kg)

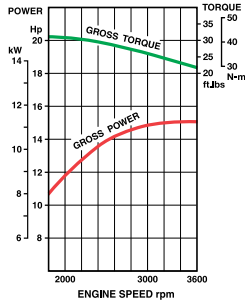
- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual element air filtration system with reinforced primary filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Integrated clean out ports





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)

- 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

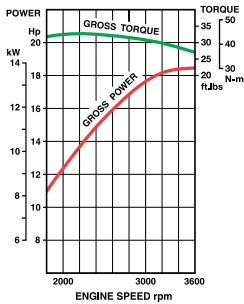


FS600V / 18.5 HP



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 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)

- 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



FS541V / 15.0 HP

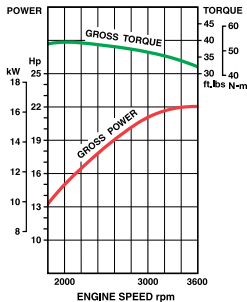


CRITICAL  
POWER

CRITICAL  
POWER

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. (53.3 N•m) / 2000 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	90.4 lbs. (41.0kg)

- 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



FS651V / 22.0 HP



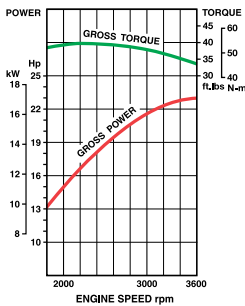
CRITICAL  
POWER

FS691V / 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 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	23.0hp (17.2kW) / 3600 rpm
Maximum Torque	39.9 ft. lbs. (54.1 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	90.4 lbs. (41.0kg)

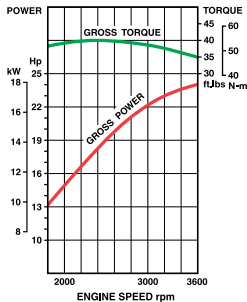
- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual element air filtration system with reinforced primary filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Integrated clean out ports



CRITICAL  
POWER

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	40.0 ft. lbs. (54.2 N•m) / 2400 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	90.4 lbs. (41.0kg)

- 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



## 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 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.5hp (19.0kW) / 3600 rpm
Maximum Torque	40.0 ft. lbs. (54.2 N•m) / 2400 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	91.5 lbs. (41.5kg)

- 90° V-twin
- Integrated electronic governor
- 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

## FS730V / 24.0 HP



**CRITICAL  
POWER**

**CRITICAL  
POWER**



FR Series engines are the perfect blend of muscle, economy and efficiency for the serious homeowner and handyman. They deliver reliable power for heavy chores, compact design for nimble operation, and durability you can count on for the long haul. When it comes to getting things done, this is the engine that brings professional quality home.

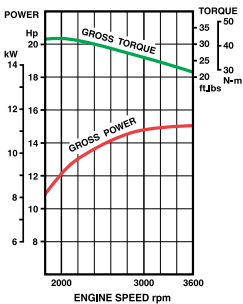
- Zero-turn mowers
- Lawn and garden tractors

FR541V / 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 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	15.0hp (11.2kW) / 3600 rpm
Maximum Torque	31.7 ft. lbs. (43.0 N•m) / 2000 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	80.9 lbs. (36.7kg)

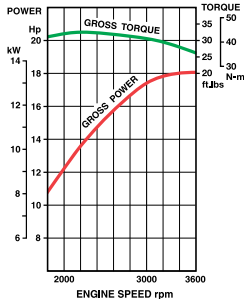
- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Single-stage air filter
- Cast-iron cylinder liners
- Rotating grass screen





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	18.0hp (13.4kW) / 3600 rpm
Maximum Torque	32.4 ft. lbs. (44.0 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	80.9 lbs. (36.7kg)

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

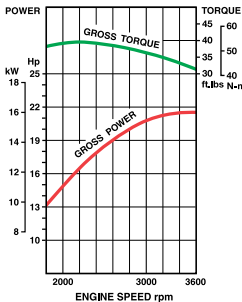


FR651V / 21.5 HP



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 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	21.5hp (16.0kW) / 3600 rpm
Maximum Torque	39.3 ft. lbs. (53.3 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)

- 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



FR600V / 18.0 HP

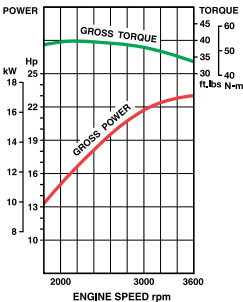


CRITICAL  
POWER

CRITICAL  
POWER

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)

- 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

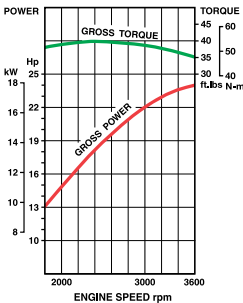


FR730V / 24.0 HP



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 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)

- 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





FD Series engines are high-torque powerplants with a compact footprint that's ideal for small-space installations. Efficient liquid cooling disperses heat in tight engine bays, light weight enhances equipment handling for nimble operation, and overhead V-valves, full pressure lubrication, and cast-iron cylinder liners help ensure long, productive life in heavy use.

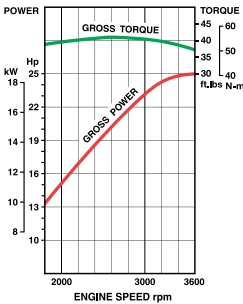
- Zero-turn and stand-on riders
  - Lawn and garden tractors
  - Utility vehicles
- Generators and pumps
  - Construction and industrial equipment: scissor lifts, trenchers, trash pumps

FD750D / 25.0 HP



ENGINE TYPE	Liquid-Cooled V-twin 4-cycle Horizontal Shaft OHV Gasoline Engine
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	25.0hp (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. (58.0kg)

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



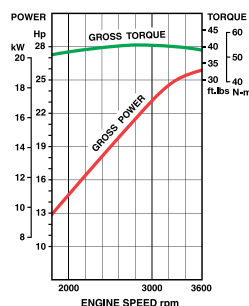
CRITICAL  
POWER

## 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	3.07 x 3.07 in. (78 x 78mm)
Displacement	745cc (45.5 cu. in.)
Compression Ratio	9.0:1
Maximum Power	26.0hp (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. (59.0kg)

- 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
- Magneto spark ignition



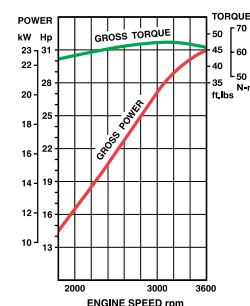
## FD791D-DFI / 26.0 HP



**CRITICAL  
POWER**

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 78mm)
Displacement	824cc (50.3 cu. in.)
Compression Ratio	9.0:1
Maximum Power	31.0hp (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. (57.5kg)

- 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 w/spark advancement



**CRITICAL  
POWER**





The FH KAI™ is engineered around OEM input and direct user feedback, resulting in an engine ideal for landscapers: rugged, powerful, easy to start. Equipped with V-valve technology, heavy-duty air cleaners and blower housings, internally vented carburetors, advanced lubrication systems and more, it's the bedrock engine for grounds-keeping work.

- Riding mowers
- Walk-behind mowers

FH770D KAI™



FH KAI

ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Horizontal Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.15 x 2.99 in. (80 x 76mm)
Displacement	764cc (46.6 cu. in.)
Compression Ratio	8.1:1
Oil Capacity	1.7 U.S. qt. (1.6 liter) w/Filter
Dry Weight (without muffler)	102.3 lbs. (46.4kg)

- 90° V-twin
- Electronic spark ignition
- Oil cooler
- Cast-iron cylinder liners
- Automatic compression release
- Multi-position air cleaner cover
- Rotating grass screen



Compact, lightweight, quiet and clean-running, FJ engines are ideal for smaller machines and applications where reliability, operator comfort 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
• M10 threaded mounting holes
• Fuel tank option

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

- Dual element air cleaner
- Flywheel magneto transistor ignition
- Recoil starter with automatic compression release
- Low-toner muffler with guard
- Fuel shut-off valve
- Cast iron cylinder liner

FJ/FJ KAI

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 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)

- Pressurized lubrication
- Automatic compression release
- Dual element air cleaner
- Rotating grass screen
- Cast-iron cylinder liner and chrome plated piston rings
- Combined crankcase design
- Large sealed fan

## BECAUSE ONLY GENUINE IS GOOD ENOUGH.



Some people think that any oil, filter or spark plug is fine for their premium engine. But parts that *nearly fit, or kind of work*, can scour precision parts with impurities, destroy pistons and rods by oil starvation, cause rough running and wasted fuel, and sideline a mower that should be making you money. Insist on genuine Kawasaki parts and oil for your Kawasaki engine. It's the no-guesswork way to maintain full performance. So you can get back to a full workload.

## GENUINE KAWASAKI OIL AND FILTERS.

Kawasaki engine oils are specifically formulated 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.



**99969-6081 10W-30**

**99969-6281 SAE 30**

**99969-6296 10W-40**

**99969-6298 20W-50**

## OIL FILTERS

Inside each filter, an interior of slotted alloy adds an extra layer of defense against deposits. While a Kawasaki oil filter might look like any other, at the core it's made of tough stuff, to keep your engine, and you, out of the shop and on the job.



**49065-7010** *Fits most engines*

**49065-7007** *FR/FS/FX*

## AIR FILTERS

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



# TUNE-UP KITS THAT KEEP KAWASAKI POWER GENUINE.

Kawasaki tune-up kits contain high-efficiency oil and air filter, premium engine oil, and spark plugs matched to your engine. Everything fits and works to cut downtime to a minimum and keep uptime going long and strong.



KIT #	COMPATIBILITY
99969-6142B	select FJ models
99969-6150B	FJ180V KAI
99969-6287	select FJ models
99969-6343	FR541V / FR600V
99969-6346	FX651V / 691V / 730V
99969-6348	FX921V / 1000V
99969-6352	FH381V / 430V / 480V / 541V / 580V
99969-6353	FH451V / 500V / 531V / 541V / 580V
99969-6355	FH601V / 641V / 661V / 680V / 721V / 770D KAI
99969-6372	FR651V / 691V / 730V FS481V / 541V / 600V / 651V / 691V / 730V
99969-6373	FX481V / 541V / 600V
99969-6375	FX751V / 801V / 850V
99969-6378	FH601V / 641V / 680V / 721V

# GENUINE KAWASAKI SHORT BLOCK ASSEMBLIES.

Repower your Kawasaki FS or FX Series engine with a factory-made short block assembly. See your Authorized Kawasaki dealer for details.



PART #	ENGINE APPLICATION	PTO SIZE
59341-0011	FS & FX: 481V / 541V / 600V	1" X 80MM PTO
59341-0019	FS & FX: 481V / 541V / 600V	1 1/8" X 100MM PTO
59341-0014	FS & FX: 481V / 541V / 600V	1 1/8" X 108.8MM PTO
59341-0012	FS & FX: 651V / 691V / 730V	1" X 80MM 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 108.8MM PTO
59341-0013	FX751V / FX801V / FX850V	1 1/8" X 108.8MM PTO
59341-0015	FX921V / FX1000V	1 1/8" X 100MM PTO
59341-0018	FX921V / FX1000V	1 1/8" X 108.8MM PTO

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](http://kawasakienginesusa.com/kawasaki-warranties)



# Optional Features

ENGINE SERIES	FX	FS	FR	FH	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. 46	See Pg. 46	See Pg. 46	See Pg. 46	See Pg. 46
Filter Minder Available	•			•	•
Short Block Available	See Pg. 47	See Pg. 47			

CRANK SHAFT 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
FH Series	1 1/8" x 100mm

# Complete Engine Line

Kawasaki

Engines

POWER THROUGH IT.

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
FH770D KAI	•		•		•	•		•		764 cc
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
FX481V	•		•		•	•			•	15.5
FX541V	•		•		•	•			•	16.5
FX600V	•		•		•	•			•	19.0
FX651V	•		•		•	•			•	20.5
FX691V	•		•		•	•			•	22.0
FX730V	•		•		•	•			•	23.5
FX730V-EFI	•		•		•		•		•	
FX751V	•		•		•	•			•	24.5
FX801V	•		•		•	•			•	25.5
FX850V	•		•		•	•			•	27.0
FX921V	•		•		•	•			•	31.0
FX1000V	•		•		•	•			•	35.0

# Kawasaki

**Engines**

POWER THROUGH IT.



An SAE International Standard

Kawasaki is the only 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 still the only 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 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.

**Authorized KAWASAKI Dealer**

P/N 99969-1212R

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