

Kawasaki

Engines

2014 ENGINES



POWER SPOKEN HERE.

Even with long hours, tough conditions and demanding customers, there is nothing like working in the wide open. And when you're running a premium ZTR, turning chaos into neat, clean swaths, it's just plain satisfying. A rock-solid Kawasaki engine is a big part of that: as reliable as daylight and all muscle, built to the same power-rating standard as your truck. A Kawasaki starts easy, runs smooth, and has the grunt to drive your biggest mowers and hold heavy blades at perfect speed job after job, day after day. It even feels good: quiet, strong and steady. Sure, you could settle for less. But you could settle for life in a cube, too.

Kawasaki
Engines

POWER THROUGH IT.

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POWER THAT'S ENGINEERED. NOT JUST ASSEMBLED.

A Kawasaki engine stands alone because every part stands out. Massive, high-inertia flywheels swallow load shock for smoother operation. Crankshafts are forge-quality cast iron, not powdered metal, for higher strength and spot-on precision. Bearings are mirror-finished and virtually friction-free. Cankcases are high-pressure die-cast aluminum, a demanding process few others use. Pistons are ultralight alloy, like a racing bike, micro-smooth to shed carbon. Gaskets are silicone, not paper. Lifters are mechanical, not hydraulic, for exact timing and smooth-running valve train. Even

Kawasaki fasteners are engineered to hold tight for life. Finally, our Critical Power engines are power-rated to the tightest standard in the industry and SAE Certified for accuracy. Many companies make engines. But nobody makes engines like Kawasaki.



SAE J1995
CERTIFIED
POWER™
An SAE International Standard

A collection of Kawasaki maintenance products is displayed on a reflective surface. In the background, a large box for a 'Kawasaki ENGINE TUNE-UP KIT' is visible, labeled for FX730V, FX891V & FX651V models. In front of the box are several items: two jugs of 'Kawasaki TECH SAE 30 4-CYCLE ENGINE OIL', a set of two spark plugs in their original packaging, a large cylindrical air filter, a smaller oil filter, and a black oil pan. The products are arranged to showcase the range of maintenance services offered.

WE TAKE CUSTOMER SATISFACTION AS SERIOUSLY AS YOU DO.

You're in this business for the long haul, and we're right there with you. We back your engine with a full 3 year warranty*. We provide one of the fastest, most comprehensive service and parts networks in the country. And our Genuine Kawasaki oils, tune-up kits, filters and replacement parts fit your needs and enhance your engines.

**For complete warranty information, visit kawpower.com/four-cycle-engine-warranty*



SAE Certified for sure power.

Kawasaki Critical Power engines are tested per SAE J1995, power-rated per SAE J2723, the industry's tightest spec, and certified by SAE to deliver at least 98% of rated gross horsepower. This strict rating system simply guarantees what you already know: you can always count on Kawasaki.





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.

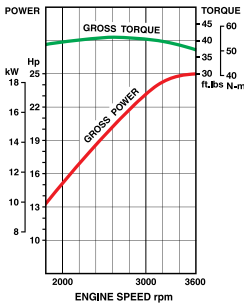
- Zero-turn and stand-on riders
- Lawn and garden tractors
- Utility vehicles
- Generators and pumps
- Construction and industrial equipment: scissor lifts, trenchers, trash pumps

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	745cm3 (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)	122 lbs. (55.3kg)

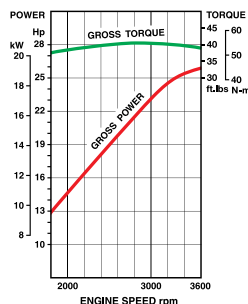
- 90° V-twin
- Electronic spark ignition
- Oil pressure switch
- Twin barrel carburetor w/ fuel shut-off solenoid
- Water temperature switch
- Multi-position, dual element air cleaner
- Magneto spark ignition



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	745cm ³ (45.5 cu. in.)
Compression Ratio	9.0:1
Maximum Power	26.0hp (19.4 kW) / 3599 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)	122 lbs. (55.3kg)

- 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

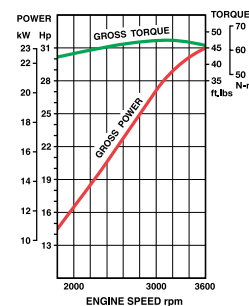


ENGINE TYPE	Liquid-Cooled V-twin 4-cycle, Digital Fuel Injected, Horizontal Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.2 x 3.1 in. (82 x 78mm)
Displacement	824cm ³ (50.3 cu. in.)
Compression Ratio	9.0:1
Maximum Power	31.0hp (23.1 kW) / 3600 rpm
Maximum Torque	47.1 ft. lbs. (63.9 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)

FD791D / 26.0 HP

CRITICAL
POWER

- 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™



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	764cm ³ (46.6 cu. in.)
Compression Ratio	8.1:1
Oil Capacity	2.0 U.S. qt. (1.9 liter) w/Filter
Dry Weight (without muffler)	98.1 lbs. (44.5kg)

- 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

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	179cm ³ (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)
Dry Weight	29.8 lbs. (13.5kg)

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

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	179cm ³ (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	29.8 lbs. (13.5kg)

- Pressurized lubrication
- Electronic spark ignition
- 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



FR Series engines are the perfect blend of muscle, economy and efficiency for the serious homeowner and handyman. They deliver serious 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.

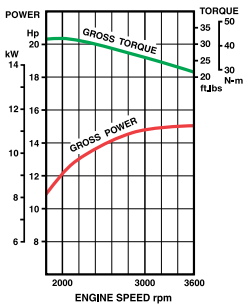
- Zero turn mowers
- Lawn and garden tractors

FR541V / 15.0 HP



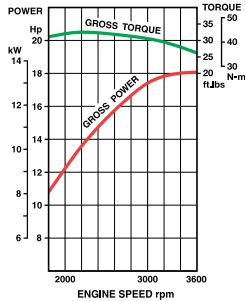
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cm ³ (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	15.0hp (11.2kW) / 3600 rpm
Maximum Torque	31.7 ft. lbs. (43.0 N•m) / 2000 rpm
Oil Capacity	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight	80.9 lbs. (36.7kg)

- 90° V-twin
- High performance pressurized lubrication
- 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	603cm ³ (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	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight	80.9 lbs. (36.7kg)

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

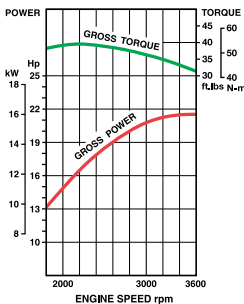


FR651V / 21.5 HP



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	726cm ³ (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	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight (without muffler)	89.0 lbs. (40.4kg)

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



FR600V / 18.0 HP

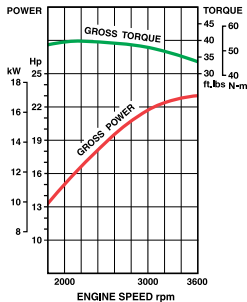


CRITICAL
POWER

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	726cm ³ (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	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight (without muffler)	89.0 lbs. (40.4kg)

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

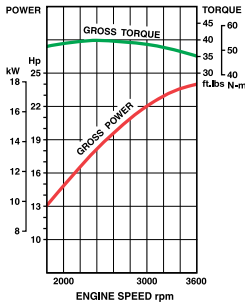


FR730V / 24.0 HP



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 76mm)
Displacement	726cm ³ (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	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight (without muffler)	89.0 lbs. (40.4kg)

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



FR691V / 23.0 HP



CRITICAL
POWER

CRITICAL
POWER

FS SERIES | Air-Cooled V-Twin:
Vertical Shaft



FS Series engines deliver commercial-grade 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.

SHARED FEATURES

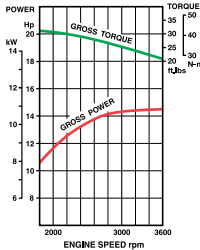
- Zero turn riders
- 90° V-twin
- Lawn and garden tractors
- High performance pressurized lubrication
- Electronic spark ignition
- Automatic compression release
- Wide-area walk-behind mowers
- Dual element air filter
- Cast-iron cylinder liners
- Rotating grass screen

FS481V / 14.5 HP



CRITICAL
POWER

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	603cm3 (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	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight (no muffler)	80.9 lbs. (36.7kg)

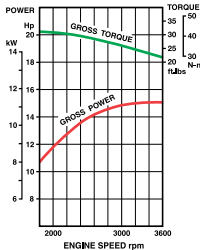


FS541V / 15.0 HP



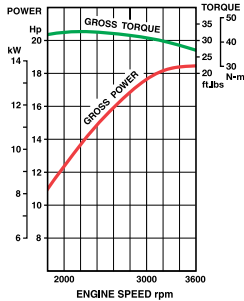
CRITICAL
POWER

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	603cm3 (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	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight (no muffler)	80.9 lbs. (36.7kg)



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cm ³ (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	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight (without muffler)	80.9 lbs. (36.7kg)

- 90° V-twin
- High performance pressurized lubrication
- Electronic spark ignition
- Automatic compression release
- Dual element air filter
- Cast-iron cylinder liners
- Rotating grass screen

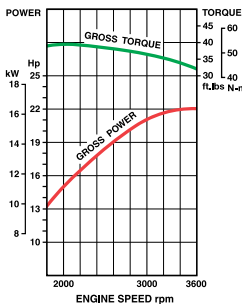


FS651V / 22.0 HP



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	726cm ³ (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	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight (without muffler)	91.5 lbs. (41.5kg)

- 90° V-twin
- High performance pressurized lubrication
- Electronic spark ignition
- Automatic compression release
- Dual element air filter
- Cast-iron cylinder liners
- Rotating grass screen



FS600V / 18.5 HP

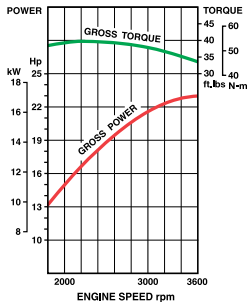


**CRITICAL
POWER**

**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	726cm ³ (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	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight (without muffler)	91.5 lbs. (41.5kg)

- 90° V-twin
- High performance pressurized lubrication
- Electronic spark ignition
- Automatic compression release
- Dual element air filter
- Cast-iron cylinder liners
- Rotating grass screen

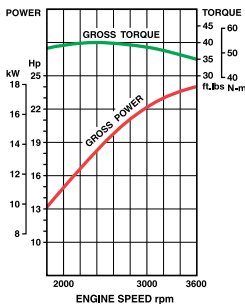


FS730V / 24.0 HP



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	726cm ³ (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	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight (without muffler)	91.5 lbs. (41.5kg)

- 90° V-twin
- High performance pressurized lubrication
- Electronic spark ignition
- Automatic compression release
- Dual element air filter
- Cast-iron cylinder liners
- Rotating grass screen



FS691V / 23.0 HP





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 exacting 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.

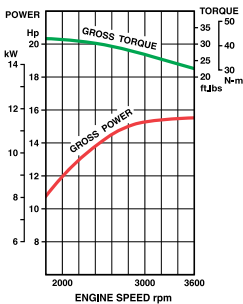
- Commercial mowers
- Heavy-duty industrial and construction equipment



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	603cm ³ (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	1.8 U.S. qt. (1.7 liter) w/Filter	
Dry Weight	89.7 lbs. (36.7kg)	

- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter





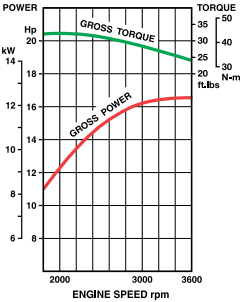
FX541V / 16.5 HP



FX600V / 19.0 HP

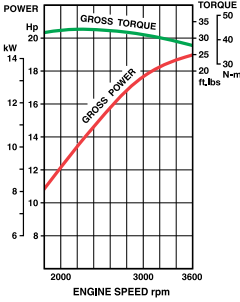
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cm ³ (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	16.5hp (12.3kW) / 3600 rpm
Maximum Torque	32.1 ft. lbs. (43.4 N•m) / 2000 rpm
Oil Capacity	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight	89.7 lbs. (36.7kg)

- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cm ³ (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	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight	89.7 lbs. (36.7kg)

- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter





FX651V / 20.5 HP

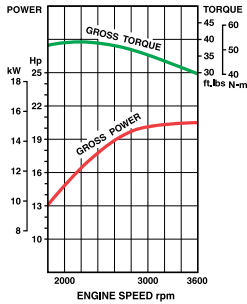


FX691V / 22.0 HP

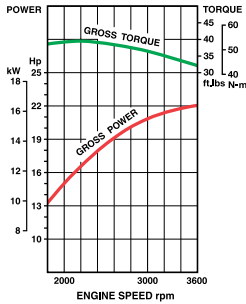
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76mm)
Displacement	726cm ³ (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	20.5hp (15.3kW) / 3600 rpm
Maximum Torque	39.0 ft. lbs. (52.9 N•m) / 2200 rpm
Oil Capacity	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight	102.7 lbs. (46.6kg)

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	726cm ³ (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	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight	102.7 lbs. (46.6kg)

- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter



- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter

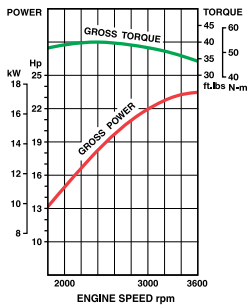




FX730V / 23.5 HP

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	726cm ³ (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	2.2 U.S. qt. (2.1 liter) w/Filter
Dry Weight	102.7 lbs. (46.6kg)

- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter



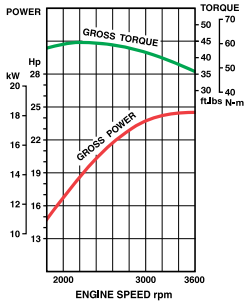
**CRITICAL
POWER**



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	852cm ³ (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	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	105.0 lbs. (47.6kg)

- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter
- High efficiency oil cooler



**CRITICAL
POWER**



FX801V / 25.5 HP

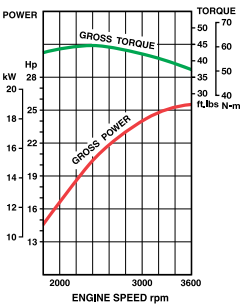


FX850V / 27.0 HP

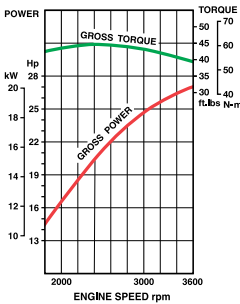
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76mm)
Displacement	852cm3 (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.5hp (19.0kW) / 3600 rpm
Maximum Torque	44.6 ft. lbs. (60.5 N•m) / 2400 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	105.0 lbs. (47.6kg)

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	852cm3 (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	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	105.0 lbs. (47.6kg)

- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter
- High efficiency oil cooler



- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter
- High efficiency oil cooler





FX921V / 31.0 HP

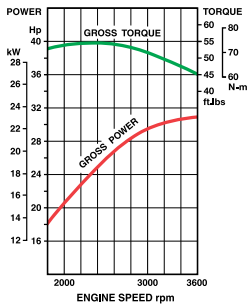


FX1000V / 35.0 HP

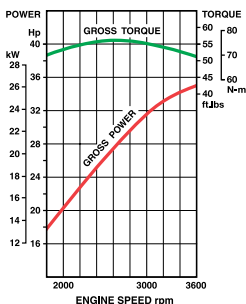
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.5 x 3.15 in. (89.15 x 80mm)
Displacement	999cm ³ (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	31.0hp (23.1kW) / 3600 rpm
Maximum Torque	54.3 ft. lbs. (73.6 N•m) / 2400 rpm
Oil Capacity	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight	138.0 lbs. (62.6kg)

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	999cm ³ (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	2.0 U.S. qt. (1.9 liter) w/Filter
Dry Weight	138.0 lbs. (62.6kg)

- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter
- High efficiency oil cooler
- Three Valves per cylinder



- 90° V-twin
- High performance lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual stage canister air filter
- Cast-iron cylinder liners
- Rotating grass screen
- Metal engine cover
- Heavy-duty shift-type starter
- High efficiency oil cooler
- Three Valves per cylinder





FX Series DFI engines bring Digital Fuel Injection response, fuel efficiency, and reliability to the toughest, most reliable constant-speed engines you can get. All the features that make FX Engines the ultimate turf industry workhorse are here—and with no choke to adjust, no carburetor to maintain, and no worries about temperature, elevation or humidity, you can focus on getting the work done.

- Commercial mowers
- Heavy-duty industrial and construction equipment

SHARED FEATURES

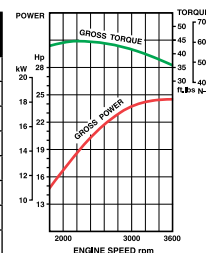
- 90° V-twin
- High performance lubrication system
- Electronic ignition with spark advancement
- Automatic compression release
- Multi-port digital fuel injection
- Electronic governor control
- Compact electronic control unit
- Choke-free operation
- Electronic colder operation enrichment
- Electronic altitude compensation
- Low pressure fuel injection technology with electronic fuel pump
- Cast-iron cylinder liners
- Metal engine cover
- Heavy-duty shift-type starter

FX751-DFI / 25.0 HP

CRITICAL
POWER



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	852cm ³ (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.0hp (19.2kW) / 3600 rpm
Maximum Torque	45.0 ft. lbs. (61.0 N•m) / 2600 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (no muffler)	124.0 lbs. (56.4kg)

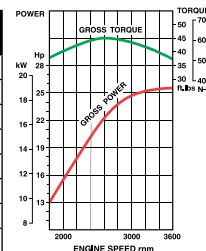


FX801V-DFI / 25.5 HP

CRITICAL
POWER



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	852cm ³ (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.5hp (19.2kW) / 3600 rpm
Maximum Torque	45.0 ft. lbs. (61.0 N•m) / 2600 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (no muffler)	124.0 lbs. (56.4kg)





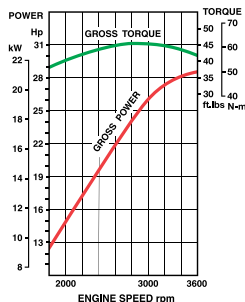
FX850V-DFI / 28.5 HP



FX921V-DFI / 35.0 HP

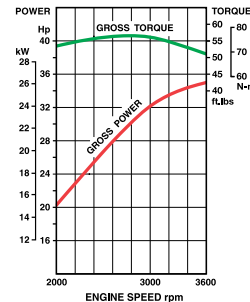
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76mm)
Displacement	852cm ³ (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	28.5hp (21.3kW) / 3600 rpm
Maximum Torque	45.3 ft. lbs. (61.4 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	124.0 lbs. (56.4kg)

- 90° V-twin
- High performance lubrication system
- Electronic ignition with spark advancement
- Automatic compression release
- Multi-port digital fuel injection
- Electronic governor control
- Compact electronic control unit
- Choke-free operation
- Electronic colder operation enrichment
- Electronic altitude compensation
- Low pressure fuel injection technology with electronic fuel pump
- Cast-iron cylinder liners
- Metal engine cover
- Heavy-duty shift-type starter



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Digital Fuel Injected, Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.5 x 3.15 in. (89.15 x 80mm)
Displacement	999cm ³ (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	35.0hp (26.1kW) / 3600 rpm
Maximum Torque	56.4 ft. lbs. (76.5 N•m) / 2800 rpm
Oil Capacity	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight	138.0 lbs. (62.6kg)

- 90° V-twin
- High performance lubrication system
- Electronic ignition with spark advancement
- Automatic compression release
- Multi-port digital fuel injection
- Electronic governor control
- Compact electronic control unit
- Choke-free operation
- Electronic colder operation enrichment
- Electronic altitude compensation
- Low pressure fuel injection technology with electronic fuel pump
- Cast-iron cylinder liners
- Metal engine cover
- Heavy-duty shift-type starter





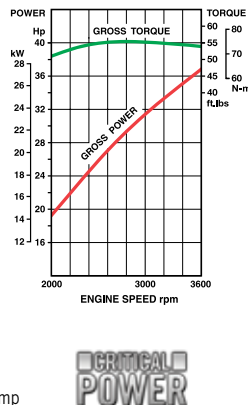
FX1000V-DFI / 37.0 HP



FX850V LPG

ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Digital Fuel Injected, Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.5 x 3.15 in. (89.15 x 80mm)
Displacement	999cm ³ (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	37.0hp (27.6kW) / 3600 rpm
Maximum Torque	55.4 ft. lbs. (75.2 N•m) / 2800 rpm
Oil Capacity	1.8 U.S. qt. (1.7 liter) w/Filter
Dry Weight	138.0 lbs. (62.6kg)

- 90° V-twin
- High performance lubrication system
- Electronic ignition with spark advancement
- Automatic compression release
- Multi-port digital fuel injection
- Electronic governor control
- Compact electronic control unit
- Choke-free operation
- Electronic colder operation enrichment
- Electronic altitude compensation
- Low pressure fuel injection technology with electronic fuel pump
- Cast-iron cylinder liners
- Metal engine cover
- Heavy-duty shift-type starter



PROPANE-POWERED AIR-COOLED V-TWIN COMING SOON

The FX850V LPG shares the FX Series' world-respected quality, design, dimensions and footprint. It uses the same maintenance parts, is covered by the same warranty, and runs on clean, affordable propane. No more retro-fitting gas engines—this powerplant is engineered to make the most of your propane benefits from the get-go.

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
- High performance lubrication system
- Automatic compression release
- High efficiency oil cooler
- Rotating grass screen
- Dual stage canister air filter
- Cast-iron cylinder liners
- Metal engine cover
- Flexible Vapor/Liquid LPG fuel delivery system





GENUINE KAWASAKI ENGINE TUNE-UP KITS

These complete kits have everything you need to maximize the performance and extend the life of your Kawasaki engine. Every component is factory-specified and test-certified for optimum fit and performance. It's the easiest, most economical way to ensure fast starts, full power and torque, and maximum productivity from your hard-working equipment.

- **HIGH EFFICIENCY OIL FILTER:** Designed for your pressurized lubrication system
- **FILTER:** High-efficiency filter to assure maximum efficiency and performance
- **SPARK PLUGS:** Matched to your engine for optimum performance
- **ENGINE OIL:** K-Tech™ SAE30 oil designed specifically for Kawasaki engines

KIT #	COMPATIBILITY
99969-6142A	FJ180V
99969-6150A	FJ180V KAI™
99969-6208A	FH381V / FH430V / FH541V / FH580V KAI™
99969-6209A	FH451V / FH500V / FH531V / FH541V / FH580V
99969-6211A	FH601V / FH641V / FH661V / FH680V / FH721V
99969-6220B	FD731 / FH601V / 641V / 661V / 680V / 721V / FH770D KAI™
99969-6190B	FR541V / FR600V
99969-6189B	FR651V / FR730V / and all FS engines
99969-6196C	FX481V / FX541V / FX600V
99969-6191B	FX651V / FX691V / FX730V
99969-6262A	FX751V / FX801V / FX850V
99969-6264A	FX751V / FX1000V

GENUINE KAWASAKI

High-Performance 4-Cycle Engine Oil

The easiest, most certain way to make sure your Kawasaki 4-cycle engine is properly cooled and lubricated is to use only Genuine Kawasaki oil. These premium, high-performance lubricants are specifically formulated for Kawasaki engines. All Kawasaki oils are refined in the U.S.A.

- Designed to keep today's high-performance, low-emission engines running clean and operating at peak efficiency
- Protects against excessive viscosity increase at high temperatures
- Manufactured with the latest additive technologies to provide superior performance in both diesel and gasoline engines
- Proven oil consumption control in heavy-duty service
- Excellent shear stability assures stay-in-grade performance
- 10W-30 synthetic blend oil provides ultimate performance and protection in both low and high temperature applications, including cold-weather startup
- Contains anti-foaming and anti-shear agents



1 Quart Bottle SAE 10W-30 / 99969-6081

1 Quart Bottle SAE 30 / 99969-6281

NEW KAWASAKI FS & FX

Short Block Engine Assemblies

Save time and money: Repower your FS or FX engine with this new Genuine Kawasaki option.



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 www.kawpower.com

CRITICAL POWER

SAE CERTIFIED FOR SURE POWER.

Your favorite Kawasaki engine is tested per SAE J1995 and rated to the turf industry's tightest spec: SAE J2723. It's a more precise way to rate the horsepower you've always had. It ensures that you get at least 98% of rated horsepower, confirming that you get what you expect. For more information about Critical Power, go to

KAWASAKI-CRITICALPOWER.COM



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 reference 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.

Complete Engine Line

Kawasaki
Engines

POWER THROUGH IT.

ENGINE MODEL	AIR-COOLED	LIQUID-COOLED	OVERHEAD 90° V-TWIN	SINGLE CYLINDER	TWO CYLINDER	CARBURETED	DIGITAL FUEL INJECTION	HORIZONTAL SHAFT	VERTICAL SHAFT	HORSEPOWER
FD750D		•	•		•	•		•		25.0
FD791D-DFI		•	•		•		•	•		26.0
FD851D-DFI		•	•		•		•	•		31.0
FH770D KAI	•		•		•	•		•		764 cm³
FJ180V	•			•		•			•	179 cm³
FJ180V KAI	•			•		•			•	179 cm³
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
FX481V	•		•		•	•			•	15.5
FX541V	•		•		•	•			•	16.5
FX600V	•		•		•	•			•	19.0
FX651V	•		•		•	•			•	20.5
FX691V	•		•		•	•			•	22.0
FX730V	•		•		•	•			•	23.5
FX751V	•		•		•	•			•	24.5
FX801V	•		•		•	•			•	25.5
FX850V	•		•		•	•			•	27.0
FX921V	•		•		•	•			•	31.0
FX1000V	•		•		•	•			•	35.0
FX751V-DFI	•		•		•		•		•	25.0
FX801V-DFI	•		•		•		•		•	25.5
FX850V-DFI	•		•		•		•		•	28.5
FX921V-DFI	•		•		•		•		•	35.0
FX1000V-DFI	•		•		•		•		•	37.0

We speak your language.

Kawasaki is the #1 engine choice of turf pros*, by nearly two to one. Kawasaki horsepower is the only SAE Certified power in the industry. Kawasaki reliability makes turf machines from compact walk-behinds to eight-foot monster mowers more productive. Kawasaki's massive service network, on-time parts delivery, and strong warranties mean nothing's going to hold you back. Need strong, stop-at-nothing power? We get it. And we've got it.

Kawasaki
Engines

POWER THROUGH IT.

**According to survey of lawn care professionals conducted in June 2012 by Isometric Solutions, an independent research firm commissioned by Kawasaki Motors Corp., U.S.A.*

Authorized KAWASAKI Dealer

P/N 99969-1212M

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