Kawasaki — ENGINES —

2019 PRODUCT CATALOG







TRUST AT WORK

THIS IS ABOUT TRUST.

These are the engines that mow above and beyond.

You trust them from start to finish. Flip the switch. Throw it in gear. Job after job after job.

No wonder your dealer sells Kawasaki. He trusts it too. You see, in this business, trust is everything. That's why more lawncare professionals choose Kawasaki engines over any other.*

Kawasaki Engines. The Trusted One.

* According to survey of lawn care professionals conducted in 2016 by Orman Guidance, Inc., an independent research firm commissioned by Kawasaki Motors Corp., U.S.A.

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5] OPTIONAL FEATURES

- RYAN, CEO, COO AND PARTNER, PRESCRIPTION LANDSCAPE



TRUST IS BUILT ON TRUTH. 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. This means you get the claimed horsepower you pay for.

3-YEAR LIMITED WARRANTY: SOLID CONFIDENCE

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



FOR THOSE DRIVEN TO SUCCEED, YOU CAN NOW GET THERE FASTER.

ADVANCED ELECTRONIC FUEL INJECTION

Kawasaki dials up engine performance, efficiency and durability with class-leading EFI. With integrated electronic governor control — eGov — 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, eliminating droop in heavy turf.

OPEN-LOOP TECHNOLOGY
Advanced, fuel efficient, reliable and cooler running



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

HIGH PRESSURE FUEL SYSTEM

Consistent fuel delivery and smooth operation at high temp commercial use

CUTTING-EDGE ECU

Maximum productivity that's sealed and secure

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

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



"I LIKE TO THINK OF IT AS HEALTH AND WELLNESS FOR LAWNS."

- PAULITA, CSO AND MANAGING PARTNER, PRESCRIPTION LANDSCAPE

Nothing's more gorgeous than a healthy lawn. From wide-open stretches to all the fine details, you're meticulous about it. We approach our work the same way. All the torque and power in a Kawasaki engine strive toward one outcome. Outer beauty. That's trust that grows.

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 professional quality.

Tolerances are incredibly tight. 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.

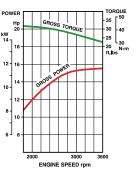
- Commercial mowers
- Heavy-duty industrial and construction equipment





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	31.4 ft. lbs. (42.6 N•m) / 1800 rpm
Oil Capacity	2.1 quart (2.0 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



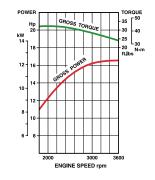




ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine				
Number of Cylinders	2				
Bore x Stroke	2.9 x 2.8 in. (73 x 72 mm)				
Displacement	603 cc (36.8 cu. in.)				
Compression Ratio	8.1:1				
Maximum Power	16.5 hp (12.3 kW) / 3600 rpm				
Maximum Torque	32.1 ft. lbs. (43.4 N•m) / 2000 rpm				
Oil Capacity	2.1 quart (2.0 liter) w/Filter				
Dry Weight	89.7 lbs. (40.7 kg)				

•	ano	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







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. (44.1 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight	89.7 lbs. (40.7 kg)

• 90° V-twin

• Pressurized lubrication system

• Electronic spark ignition

• Automatic compression release

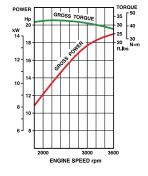
• Multi-Stage canister air filter

Cast-iron cylinder liners

Rotating grass chopper screen

 Metal engine cover with integrated clean out ports

Heavy-duty shift-type starter





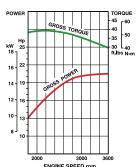
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ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	20.5 hp (15.3 kW) / 3600 rpm
Maximum Torque	39.0 ft. lbs. (52.9 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight	101.4 lbs. (46.0 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

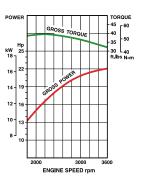


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CERTIFIED POWER.
An SAE International Standard

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	39.4 ft. lbs. (53.4 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight	101.4 lbs. (46.0 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

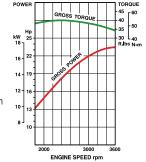






ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	23.5 hp (17.5 kW) / 3600 rpm
Maximum Torque	39.9 ft. lbs. (54.1 N•m) / 2400 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight	101.4 lbs. (46.0 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

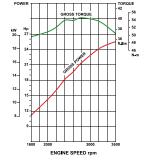








- 90° V-twin
- Integrated electronic governor
- Pressurized lubrication system
- Electronic ignition with variable spark timing
- Automatic compression release
- Sequential multi-port fuel injection
- Compact electronic control unit
- Proven open loop design
- Electronic altitude compensation
- High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

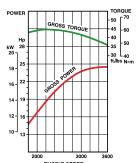






ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76 mm)
Displacement	852 cc (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	24.5 hp (18.3 kW) / 3600 rpm
Maximum Torque	44.4 ft. lbs. (60.2 N•m) / 2200 rpm
Oil Capacity	2.5 quart (2.4 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



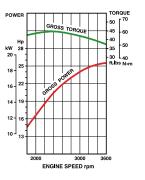
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ENGINE SPEED rpm												

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ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine						
Number of Cylinders	2						
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76 mm)						
Displacement	852 cc (52 cu. in.)						
Compression Ratio	8.2:1						
Maximum Power	25.5 hp (19.0 kW) / 3600 rpm						
Maximum Torque	44.6 ft. lbs. (60.5 N•m) / 2400 rpm						
Oil Capacity	2.5 quart (2.4 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

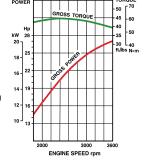






ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76 mm)
Displacement	852 cc (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	27.0 hp (20.1 kW) / 3600 rpm
Maximum Torque	44.6 ft. lbs. (60.5 N•m) / 2400 rpm
Oil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



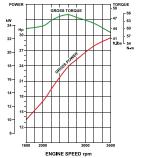






Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
2
3.33 x 2.99 in. (84.5 x 76 mm)
852 cc (52 cu. in.)
8.2:1
29.5 hp (22.0 kW) / 3600 rpm
48.31 ft. lbs. (65.5 N•m) / 2600 rpm
2.5 quart (2.4 liter) w/Filter
131.6 lbs. (59.7 kg)

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



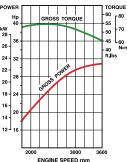
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ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.5 x 3.15 in. (89.15 x 80 mm)
Displacement	999 cc (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	31.0 hp (23.1 kW) / 3600 rpm
Maximum Torque	54.3 ft. lbs. (73.6 N•m) / 2400 rpm
Dil Capacity	2.5 quart (2.4 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

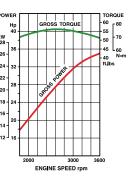


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J1995 CERTIFIED POWER
An SAE International Standard

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) / 2800 rpm
Oil Capacity	2.5 quart (2.4 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







"MYDAYS RUN SMOOTHER BECAUSE MY ENGINES RUN SMOOTHER."

- PAULA, OPERATIONS MANAGER, PRESCRIPTION LANDSCAPE

Every day has its interesting twists and turns. Sometimes you hit bumps and obstacles along the way. So, how to tilt the playing field back in your favor? By having steady equipment. The slopes will get steeper, the terrain will get rougher. So smooth things out with a trusted Kawasaki 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 heaviest 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



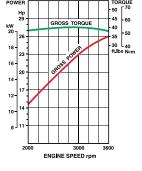
FT730-EFI / 26.0 hp





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	40.1 ft. lbs. (54.5 N•m) / 2800 rpm							
Oil Capacity	2.1 quart (2.0 liter) w/Filter							
Dry Weight (without muffler)	103.2 lbs. (46.8 kg)							

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





THE FT730V-EFI WITH VORTICAL AIR FILTRATION.

MOW LIKE YOU'VE GOT A BUSINESS TO GROW.

The FT730V-EFI is purpose-built for commercial applications. If you operate zero turn, walk behind or stand on mowers, this could be the finest EFI power you can buy. The performance will seal the deal. Two things separate this engine from the competition: proven Kawasaki EFI, featuring our own eGov system, and vortical air filtration, technology that puts debris in its place—out.

Vortical air filtration is Kawasaki's answer to superior debris management. Air enters under the air filter housing. Once inside, the unique design creates a powerful vortex motion. This forces heavier particles outward, ejecting them through the debris ejector valve, leaving only the finest particles which are easily intercepted by the filter.

ENGINE PROTECTION IS IN THE DETAILS.

- The filter goes in one way only thanks to built-in guides
- 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



Debris ejector valve



Integrated clean out ports



VORTICAL

Air filtration system

"WHENYOU WORKONA KAWI, IT'S NOT REALLY WORK."

- ROBERTO, MECHANIC, ARTEKA OUTDOOR SERVICES

When it gets down to the nitty-gritty, it's about great mechanics, superior parts and engines that run like a charm. Kawasaki appeals to those in the know. Easy-starting, smooth running, with an uncanny ability to make everyone in the shop a little more dependable. That's the power of trust.

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



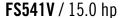


ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72 mm)
Displacement	603 cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	14.5 hp (10.8 kW) / 3600 rpm
Maximum Torque	30.9 ft. lbs. (42.0 N•m) / 1800 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight (no muffler)	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

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ENGINE SPEED rpm											



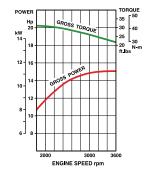




FS600V / 18.5 hp	7
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ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine		
Number of Cylinders	2		
Bore x Stroke	2.9 x 2.8 in. (73 x 72 mm)		
Displacement	603 cc (36.8 cu. in.)		
Compression Ratio	8.1:1		
Maximum Power	15.0 hp (11.2 kW) / 3600 rpm		
Maximum Torque	31.0 ft. lbs. (42.1 N•m) / 1800 rpm		
Oil Capacity	2.1 quart (2.0 liter) w/Filter		
Dry Weight (without muffler)	80.9 lbs. (36.7 kg)		

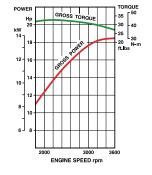
- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual element air filtration system with reinforced primary filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Integrated clean out ports





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	32.5 ft. lbs. (44.1 N•m) / 2000 rpm			
Oil Capacity	2.1 quart (2.0 liter) w/Filter			
Dry Weight (without muffler) 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



J1995 CERTIFIED POWER. An SAE International Standard

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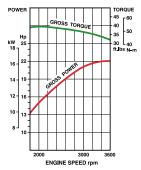
FS651V / 22.0 hp





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

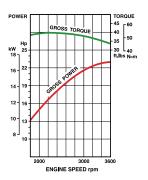
- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Dual element air filtration system with reinforced primary filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Integrated clean out ports



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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	39.9 ft. lbs. (54.1 N•m) / 2200 rpm			
Oil Capacity	2.1 quart (2.0 liter) w/Filter			
Dry Weight (without muffler)	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





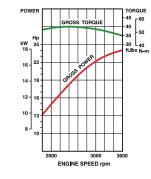
FS730V / 24.0 hp



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 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 (without muffler)	90.4 lbs. (41.0 kg)		



- 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





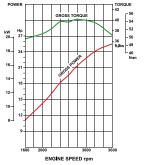
FS730V-EFI / 25.5 hp





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 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	40.0 ft. lbs. (54.2 N•m) / 2400 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight (without muffler)	91.5 lbs. (41.5 kg)

- 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



J1995 CERTIFIED POWER. An SAE International Standard

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"SOMETIMES WORKERS GET SICK. SOIT'S A GOOD THING MY ENGINES DON'T."

VICTOR, CREW LEAD, PRESCRIPTION LANDSCAPE

When you go to work each morning, it's good to be operating at full power.

Kawasaki has the engines you depend on to start fast and finish strong. And even when your team gets slowed down by life, you can rest assured reliability won't take the day off.

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



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 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	31.7 ft. lbs. (43.0 N•m) / 2000 rpm
Oil Capacity	2.1 quart (2.0 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

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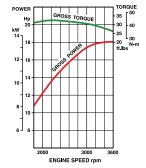
FR600V / 18.0 hp



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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	32.4 ft. lbs. (44.0 N•m) / 2200 rpm		
Oil Capacity	2.1 quart (2.0 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



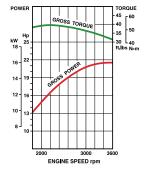


FR651V / 21.5 hp



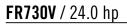
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	21.5 hp (16.0 kW) / 3600 rpm
Maximum Torque	39.3 ft. lbs. (53.3 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight (without muffler)	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

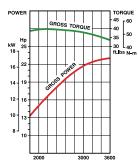






ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	23.0 hp (17.2 kW) / 3600 rpm
Maximum Torque	39.5 ft. lbs. (53.6 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight (without muffler)	88.2 lbs. (40.0 kg)

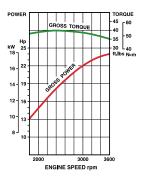
- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Single-stage air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen



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ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76 mm)
Displacement	726 cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	24.0 hp (17.9 kW) / 3600 rpm
Maximum Torque	39.7 ft. lbs. (53.9 N•m) / 2200 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight (without muffler)	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







"GREAT TEAM MORALE USUALLY STARTS WITH GREAT EQUIPMENT."

- KEVIN, OPERATIONS MANAGER, ARTEKA OUTDOOR SERVICES

The power of positive thinking. It often starts with the power of dependable engines. Engines that start fast. Engines that bring out the best in your equipment. Engines that will make the team more nimble and help them finish up on time. Engines that build trust. The kind of trust business is built on.

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.

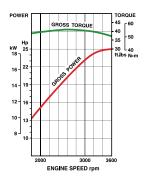
- Zero-turn and stand-on riders
- Lawn and garden tractors
- Utility vehicles
- Generators and pumps
- Construction and industrial equipment: scissor lifts, trenchers, trash pumps





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 78 mm)
Displacement	745 cc (45.5 cu. in.)
Compression Ratio	8.6:1
Maximum Power	25.0 hp (18.7 kW) / 3600 rpm
Maximum Torque	41 ft. lbs. (55.6 N•m) / 2600 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight (without muffler)	127.9 lbs. (58.0 kg)

- 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









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

3.2 x 3.1 in. (82 x 78 mm)

31.0 hp (23.1 kW) / 3600 rpm

2.1 quart (2.0 liter) w/Filter

47.1 ft. lbs. (63.9 N•m) / 3200 rpm

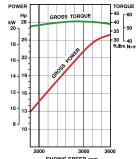
824 cc (50.3 cu. in.)

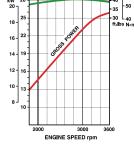
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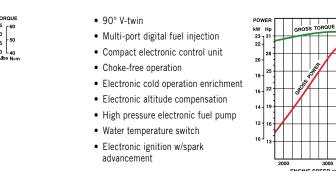
ENGINE TYPE	Liquid-Cooled V-twin 4-cycle, Digital Fuel Injected, Horizontal Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.07 x 3.07 in. (78 x 78 mm)
Displacement	745 cc (45.5 cu. in.)
Compression Ratio	9.0:1
Maximum Power	26.0 hp (19.4 kW) / 3600 rpm
Maximum Torque	40.5 ft. lbs. (54.9 N•m) / 2800 rpm
Oil Capacity	2.1 quart (2.0 liter) w/Filter
Dry Weight (without muffler)	130.1 lbs. (59.0 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

Magneto spark ignition







Dry Weight (without muffler) 126.8 lbs. (57.5 kg)

ENGINE TYPE

Bore x Stroke

Displacement

Compression Ratio

Maximum Power

Maximum Torque

Oil Capacity

Number of Cylinders







"PRIDE IN WORKMANSHIP. I LEARNED IT FROM MY FATHER."

- ANGEL, CREW LEAD, PRESCRIPTION LANDSCAPE

Important things get handed down in a family. The value of an honest day, the value of a dollar earned, the attention to detail that satisfies something deep. At Kawasaki, nothing says we've succeeded more than when our reputation lives generation to generation. That's when trust becomes a tradition.

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
- M10 threaded mounting holes
- Fuel tank option





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)

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



Forced Air-Cooled 4-cycle Vertical Shaft OHV Gasoline Engine
1
2.6 x 2.1 in. (65 x 54 mm)
179 cc (10.9 cu. in.)
8.5:1
1.9 Quart (1.8 liter) Standard
0.6 quart (0.6 liter) w/Filter
37.26 lbs. (16.9 kg)

- · 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



"SOME ENGINES YOU JUST LOVE MORE THAN OTHERS."

- CODY, MECHANIC, PRESCRIPTION LANDSCAPE

It doesn't matter if it's a smaller engine designed for a home lawn, or a powerhouse built for business acreage.

They all have a heart that's Kawasaki sized.

Performance driven, clean running, reliable under tough conditions. Lawn care professionals demand perfection from them. That's trust.

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 engineering approved: 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 10W-40 1 Quart Bottle 99969-6296



SAE 10W-30 1 Quart Bottle 99969-6081



SAE 20W-50 1 Quart Bottle 99969-6298



SAE 30 1 Quart Bottle 99969-6281

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.



1 Gallon Mix Bottle 99969-60820

6.4 oz.







12.8 oz. 5 Gallon Mix Bottle 99969-6085C

5.2 oz.

2 Gallon Mix Bottle

99969-6083C

2.5 Gallon Mix Bottle 99969-6084C

OIL FILTERS

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





Fits Most Engines 49065-7010

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.





FR/FS/FX 49065-7007



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		
99969-6409	99969-6410	FX651V / 691V / 730V		
99969-6421	99969-6422	FX481V / 541V / 600V		
99969-6425	99969-6426	FR651V / 691V / 730V FS481V / 541V / 600V / 651V / 691V / 730V		
99969-6423	99969-6424	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		
SAE30	KIT#	COMPATIBILITY		
99969-	-6142B	FJ180V (select models)		
99969	-6287	FJ180V (select models)		

SHORT BLOCK ASSEMBLIES

Now you can repower your Kawasaki FS or FX Series engine faster and more cost-effectively, with a factorymade 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 kawasakienginesusa.com/kawasaki-warranties



FACTORY FRESH.

"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, for a cost-effective, well-proven way to get the most from your mowers.

COMPLETE LINE OF 2019 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	ENGINE SERIES		FT	FS	FR	FD
	Multi Position Recoil Start			•		
Bendix Start		•	•	•	•	
Shift Start		•	•	•		•
Optional Fuel Side Muff		•		•	•	•
Optional Oil Side Muff	Filter ler	•		•	•	
15 Amp Charging Sy		•		•	•	
20 Amp Charging Sy		•				•
30 Amp Charging Sy						•
Clutch Co Charging Sy		•		•		
Tune-up k Available		See Pg. 47		See Pg. 47	See Pg. 47	See Pg. 47
Filter Mind Available		•				•
Short Blo Available		See Pg. 47		See Pg. 47		

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" x 80 mm, 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

Kawasaki — ENGINES —



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 ENGINE TRUSTED BY MORE LAWN CARE PROFESSIONALS.*

You don't know what you're capable of until you have the right tools. Kawasaki brings you the engines that set the bar for the way you operate your business. Proven power. High quality. Advanced technology. Dependable service. That's why Kawasaki continues to be the engine of choice wherever there's work to do. That's why you buy The Trusted One.

* According to survey of lawn care professionals conducted in 2016 by Orman Guidance, Inc., an independent research firm commissioned by Kawasaki Motors Corp., U.S.A.

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