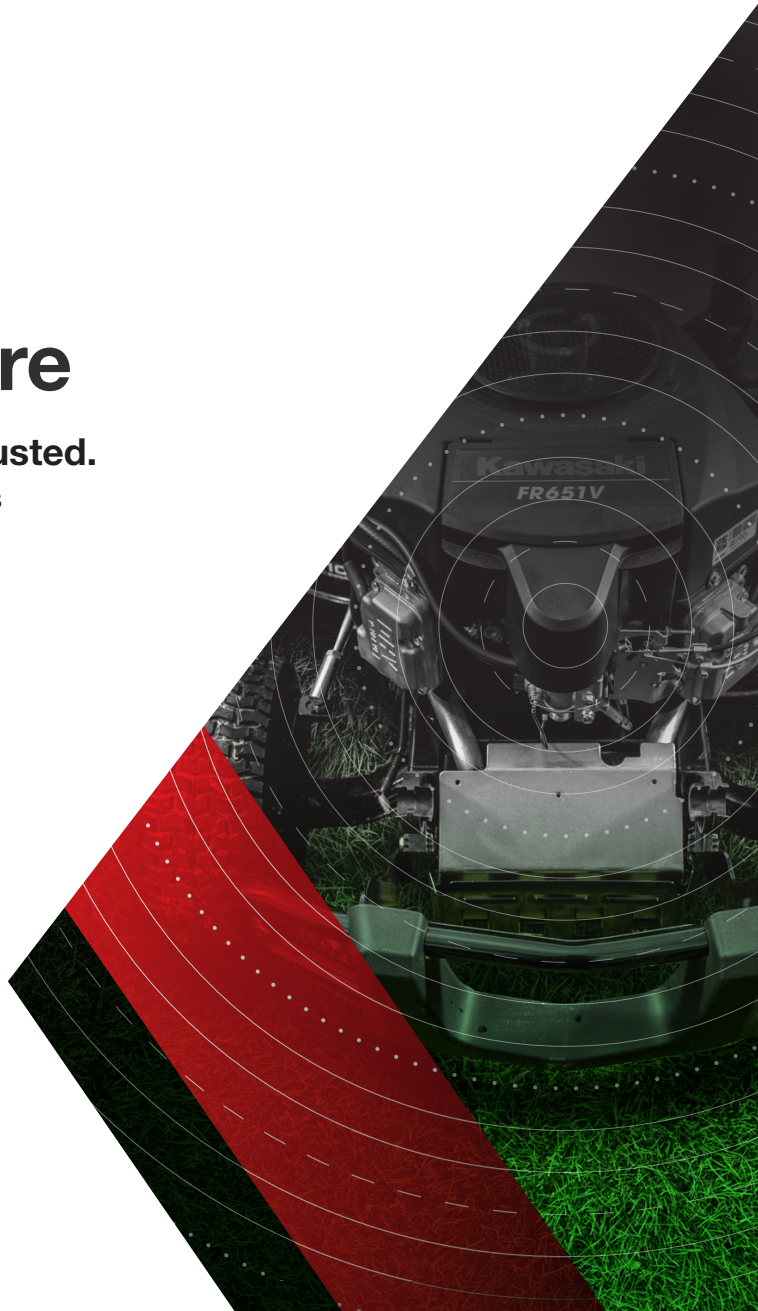


Kawasaki
— ENGINES —

Kawasaki Engines for Turfcare

Reliable. Durable. Trusted.
Built for turfcare professionals



kawasaki-engines.eu

The power rating of the engines indicated in this brochure is the Net power rating tested on a production engine and measured in accordance with SAE J1349. 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.

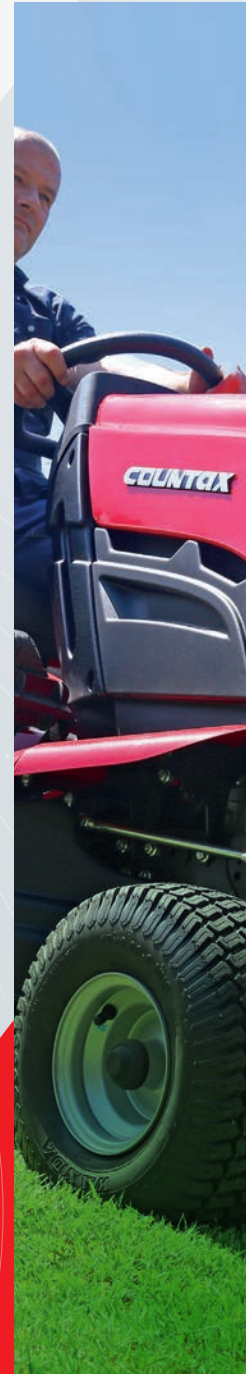
Product images shown in this catalogue are for illustrative purposes only. Actual products and product specifications are subject to change.

We build trust

Kawasaki Engines continue to lead the way in manufacturing high performance, exceptional quality turfcare engines. With an ever-growing legacy of industry-trusted models, we nevertheless continue to innovate and improve.

From reducing debris ingestion and enhancing airflow, to developing class-leading Electronic Fuel Injection technology, we constantly look for solutions to make the power in your mower the most effective, efficient, and reliable it can be.

It's why professionals trust Kawasaki. When your profitability and reputation depend on the quality of your machinery, you need a partner that won't let you down.



FJ180V KAI

4-Stroke, Vertical Shaft, Overhead Valve, Single Cylinder, Air-cooled

For professional walk-behind mowers, offering heavy-duty durability and outstanding commercial performance.

- **Commercial grade dual element air cleaner**

Cylindrical two stage filtration for optimum engine performance

- **Durable metal engine shroud**

Solid protection for frequent use and transportation

- **Heavy-duty recoil assembly**

Built-in strength for high levels of use

- **Tough ball-bearing crankshaft support**

Withstands heavy use for exceptional long term durability

- **Pressurised lubrication**

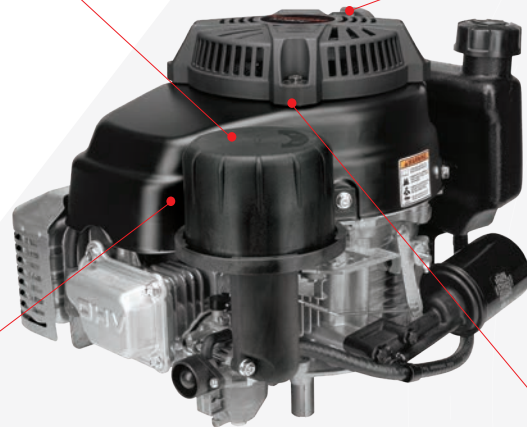
Sustained performance over uneven ground and slopes

Commercial grade dual element air cleaner

Heavy-duty recoil assembly

Durable metal engine shroud

Tough ball-bearing crankshaft support



Specifications

Specifications		FJ180V KAI
Number of cylinders		1
Bore & Stroke	mm	65 x 54
Displacement	cm ³	179
Max power	kW hp rpm	3.4 4.5 3600
Max torque	Nm ft.lbs rpm	10.0 7.3 2400
Fuel tank capacity	ltrs	1.7
Oil capacity	ltrs	0.65
Dry weight	kg	17.0
Dimensions mm (with tank)	L W H	422 353 289
Dimensions mm (without tank)	L W H	389 353 289

Features

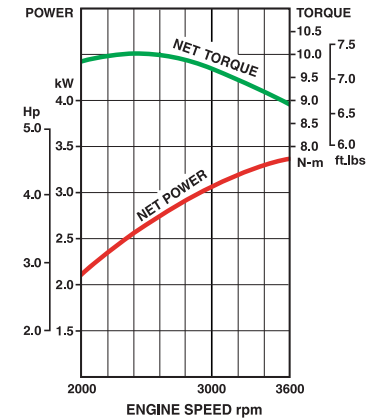
Pressurised lubrication	•
Dual element cylindrical air cleaner	•
Rotating grass screen	•
Internally vented carburetor	•
Cast iron cylinder liner	•
Combined crankcase design	•
Metal engine shroud	•
Heavy-duty recoil	•
Ball type top bearing	•

Options

Shaft variations	•
Flywheel brake	•
Various speed control options	•
Spin-on oil filter	•
M10 threaded mounting holes	•
Fuel tank	•
Fuel tap	•

Performance Graph

FJ180V KAI



Kawasaki engines are ultra-reliable. Over all the years I've used them, they've been my right-hand man. They've never let me down.

Paul Griffin,
Paul's Garden Services
& Handyman



V-Twin Engines

The Kawasaki V-Twin range offers power solutions for a wide range of turfcare products, from residential ride-on mowers for the homeowner, to heavy-duty commercial mowers for large-scale contractors and fleets.

An innovative and continually evolving line-up, the latest FT models have been specifically engineered for superior turf debris management, suited to external applications such as zero-turn mowers. While the new FX1000V EFI is our most powerful engine yet.

Whichever model your mower is powered by, you can be sure of outstanding reliability, steadfast durability and the professional-level performance that Kawasaki Engines stand for.

Residential FR Series

- Lawn and garden tractors
- Zero-turn mowers



Commercial FS Series

- Lawn and garden tractors
- Zero-turn mowers
- Front mowers



Commercial (high debris work environment) FT Series

- Zero-turn mowers
- Stand on mowers



Heavy-duty commercial FX Series

- All types of heavy-duty commercial mowers



FR Series

4-Stroke, Vertical Shaft, V-Twin, Overhead Valve, Air-cooled

A high quality power solution for residential ride-on mowers, offering smooth, quiet, low-vibration running.

- Rotating grass screen**
 Prevents debris build-up for greater efficiency and reliability
- High performance lubrication system**
 Maximises durability and performance
- Cast aluminium crankcase and cylinder heads**
 Strong yet lightweight design for agile mower operation



Rotating grass screen

High performance lubrication system

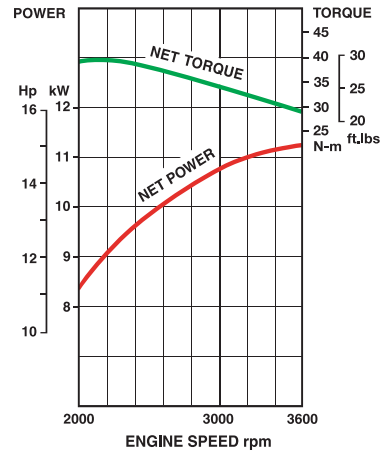
Cast aluminium crankcase and cylinder heads

Specifications		FR541V	FR600V	FR651V	FR691V	FR730V
Number of cylinders		2	2	2	2	2
Bore & Stroke	mm	73 x 72	73 x 72	78 x 76	78 x 76	78 x 76
Displacement	cm ³	603	603	726	726	726
Max power	kW	11.3	12.7	14.5	15.5	16.7
	hp	15.1	17.0	19.4	20.8	22.4
	rpm	3600	3600	3600	3600	3600
Max torque	Nm	39.1	40.9	52.7	53.0	54.1
	ft.lbs	28.8	30.2	38.9	39.1	39.9
	rpm	2200	2400	2000	2000	2000
Oil capacity	ltrs	2.0	2.0	2.2	2.2	2.2
Dry weight	kg	36.7	36.7	40.0	40.0	40.0
Dimensions mm	L	482	482	498	498	498
	W	429	429	461	461	461
	H	370	370	392	392	392
Features						
Overhead V-valves		•	•	•	•	•
90 degree V-twin		•	•	•	•	•
High performance lubrication system		•	•	•	•	•
Spherical combustion chambers		•	•	•	•	•
Electronic spark ignition		•	•	•	•	•
Automatic compression release		•	•	•	•	•
Internally vented carburetor with fuel shut-off solenoid		•	•	•	•	•
Rotating grass screen		•	•	•	•	•
Cast iron cylinder liners		•	•	•	•	•
Bendix type starter		•	•	•	•	•
Options						
Shaft variations		•	•	•	•	•
Various speed control system		•	•	•	•	•
20 Amp charge coil		•	•	•	•	•
Various oil drains		•	•	•	•	•
Oil pressure switches		•	•	•	•	•
Muffler		•	•	•	•	•

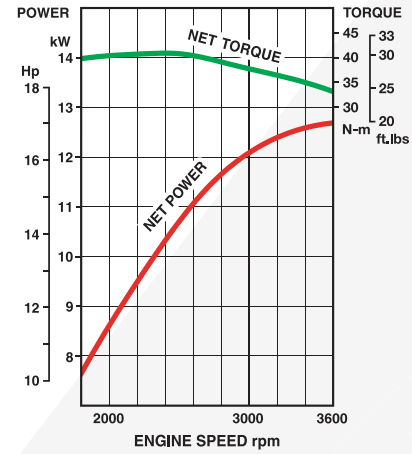


Performance Graphs

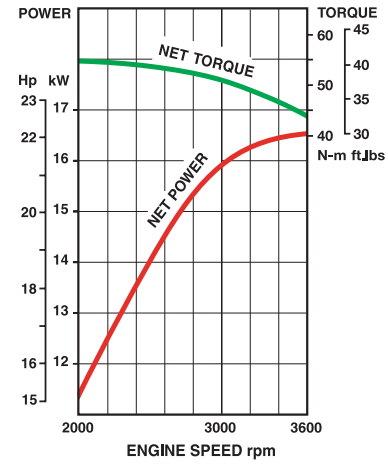
FR541V



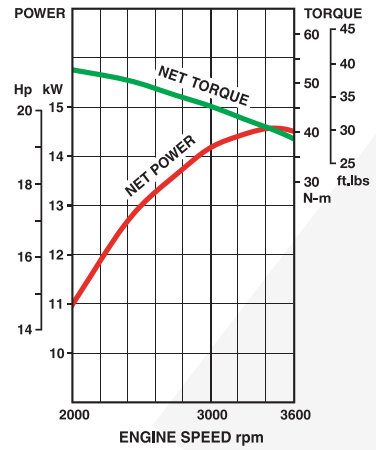
FR600V



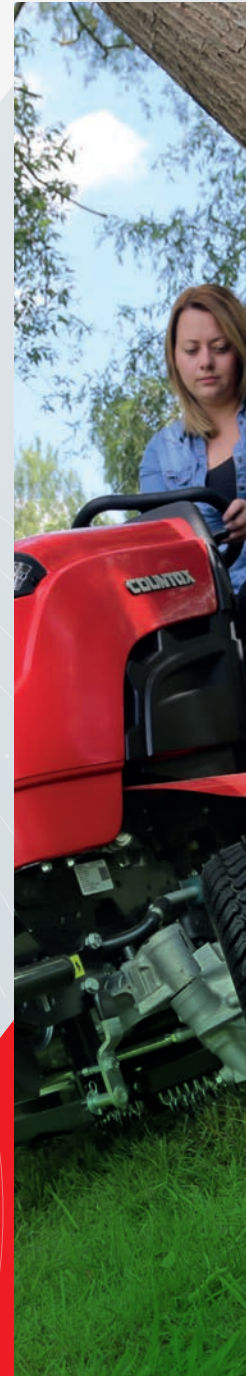
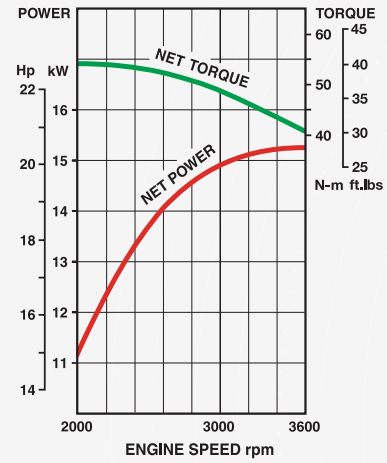
FR730V



FR651V



FR691V

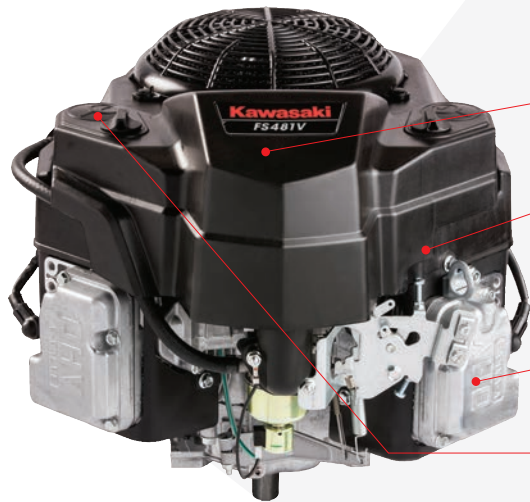


FS Series

4-Stroke, Vertical Shaft, V-Twin, Overhead Valve, Air-cooled

For long-term performance and reliability, providing professionals with steadfast power they can trust.

- Dual element air filter**
 Additional two stage filtration maintains optimum performance
- Automatic compression release**
 Easy, reliable starting regardless of engine temperature
- Spherical combustion chambers**
 Improve efficiency and maximise engine power
- Integrated clean out ports (subject to spec)**
 Allow tool-free inspection and cleaning to maintain peak operation



Dual element air filter

Automatic compression release

Spherical combustion chambers

Integrated clean out ports (subject to spec)

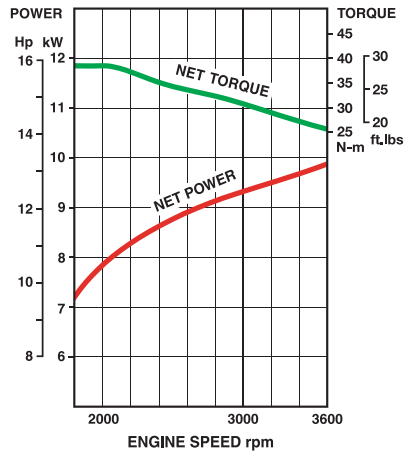
Specifications		FS481V	FS541V	FS600V	FS651V	FS691V	FS730V
Number of cylinders		2	2	2	2	2	2
Bore & Stroke	mm	73 x 72	73 x 72	73 x 72	78 x 76	78 x 76	78 x 76
Displacement	cm ³	603	603	603	726	726	726
Max power	kW	9.8	11.3	12.7	14.5	15.4	16.5
	hp	13.2	15.1	17.0	19.4	20.6	22.1
	rpm	3600	3600	3600	3600	3600	3600
Max torque	Nm	38.4	39.1	40.9	52.5	53.3	53.9
	ft.lbs	28.3	28.8	30.2	38.7	39.3	39.8
	rpm	1800	2200	2400	2000	2000	2000
Oil capacity	ltrs	2.0	2.0	2.0	2.2	2.2	2.2
Dry weight	kg	36.7	36.7	36.7	41.0	41.0	41.0
Dimensions mm	L	484	484	484	500	500	500
	W	434	434	434	465	465	465
	H	377	377	377	391	391	391
Features							
Overhead V-valves		•	•	•	•	•	•
90 degree V-twin		•	•	•	•	•	•
High performance lubrication system		•	•	•	•	•	•
Spherical combustion chambers		•	•	•	•	•	•
Electronic spark ignition		•	•	•	•	•	•
Automatic compression release		•	•	•	•	•	•
Internally vented carburetor with fuel shut-off solenoid		•	•	•	•	•	•
Rotating grass screen		•	•	•	•	•	•
Dual element air filter		•	•	•	•	•	•
Cast iron cylinder liners		•	•	•	•	•	•
Bendix type starter		•	•	•	•	•	•
Clean out ports*		•	•	•	•	•	•
Options							
Shaft variations		•	•	•	•	•	•
Various speed control system		•	•	•	•	•	•
20 Amp charge coil		•	•	•	•	•	•
Various oil drains		•	•	•	•	•	•
Oil pressure switches		•	•	•	•	•	•
Muffler		•	•	•	•	•	•

*Subject to specification

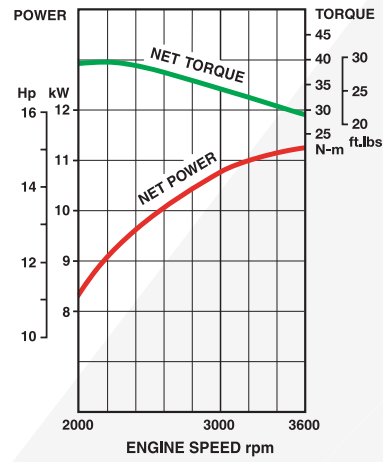


Performance Graphs

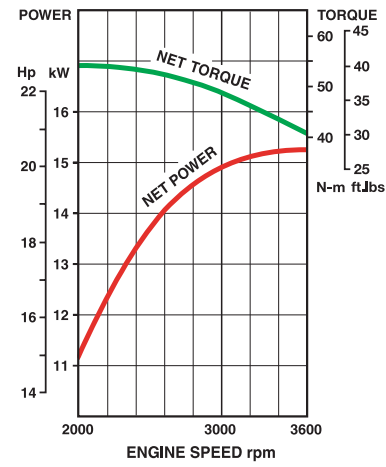
FS481V



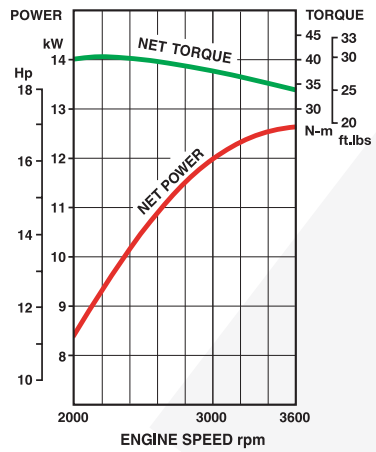
FS541V



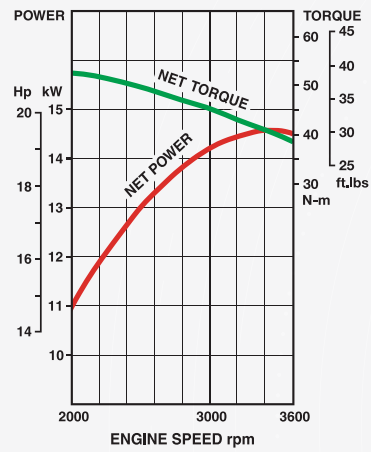
FS691V



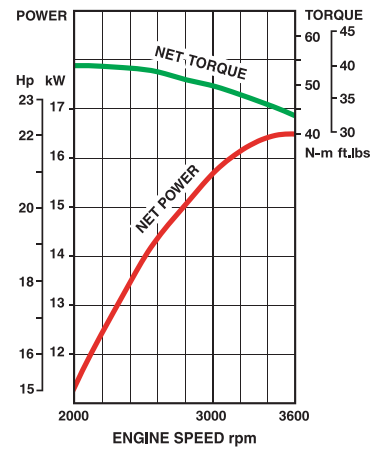
FS600V



FS651V



FS730V

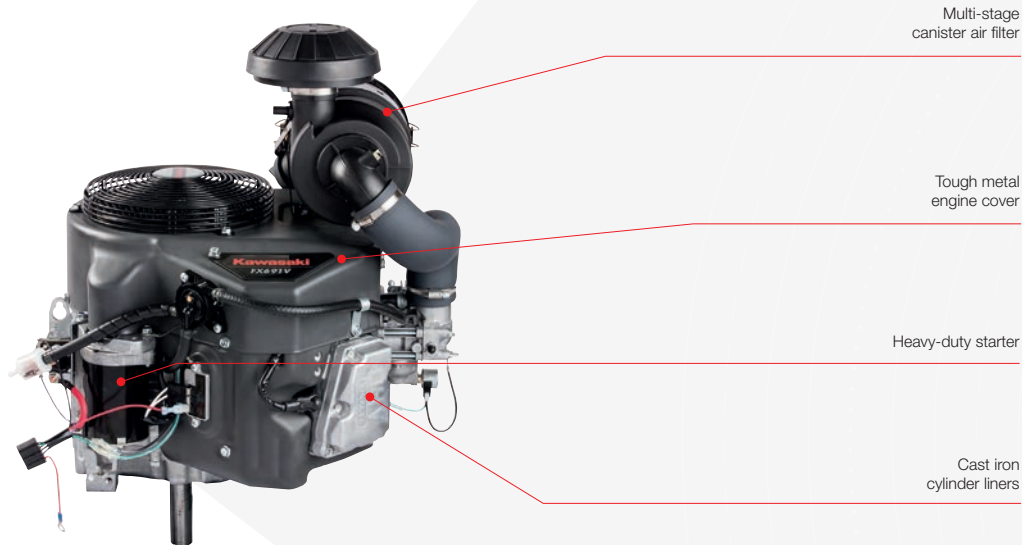


FX Series

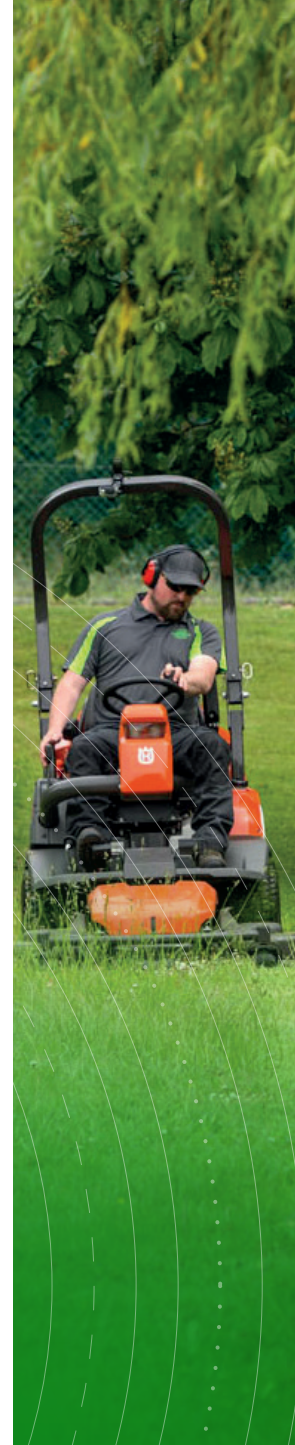
4-Stroke, Vertical Shaft, V-Twin, Overhead Valve, Air-cooled

For heavy-duty commercial turfcare, constructed using premium quality components and materials, offering the highest levels of performance and durability.

- Multi-stage canister air filter**
 Using cyclonic air flow for superior filtration and optimum engine performance
- Tough metal engine cover**
 Maximum durability for tough commercial work
- Heavy-duty starter**
 Reliable starting for demanding workloads
- Cast iron cylinder liners**
 Withstand the heat, pressure and loads of heavy extended use



Specifications		FX481V	FX541V	FX600V	FX651V	FX691V	FX730V
Number of cylinders		2	2	2	2	2	2
Bore & Stroke	mm	73 x 72	73 x 72	73 x 72	78 x 76	78 x 76	78 x 76
Displacement	cm ³	603	603	603	726	726	726
Max power	kW	10.1	11.4	12.7	14.1	15.4	16.6
	hp rpm	13.5 3600	15.3 3600	17.0 3600	18.8 3600	20.6 3600	22.2 3600
Max torque	Nm	37.0	39.1	40.9	53.2	53.7	54.3
	ft.lbs rpm	27.3 2000	28.8 2200	30.2 2400	39.2 1800	39.6 2000	40.0 2000
Oil capacity	ltrs	2.0	2.0	2.0	2.2	2.2	2.2
Dry weight	kg	40.7	40.7	40.7	46.0	46.0	46.0
Dimensions mm	L	468	468	468	479	479	479
	W	429	429	429	462	462	462
	H	544	544	544	565	565	565
Features							
Overhead V-valves		•	•	•	•	•	•
90 degree V-twin		•	•	•	•	•	•
High performance lubrication system		•	•	•	•	•	•
Spherical combustion chambers		•	•	•	•	•	•
Electronic spark ignition		•	•	•	•	•	•
Automatic compression release		•	•	•	•	•	•
Heavy-duty shift type starter		•	•	•	•	•	•
Internally vented carburetor with fuel shut-off solenoid		•	•	•	•	•	•
Rotating grass screen		•	•	•	•	•	•
Single stage canister air filter		•	•	•			
Dual stage canister air filter					•	•	•
Cast iron cylinder liners		•	•	•	•	•	•
Metal engine cover		•	•	•	•	•	•
Clean out ports		•	•	•	•	•	•
Options							
Shaft variations		•	•	•	•	•	•
Various speed control system		•	•	•	•	•	•
20 Amp charge coil		•	•	•	•	•	•
Various oil drains		•	•	•	•	•	•
Oil pressure switches		•	•	•	•	•	•
Muffler		•	•	•	•	•	•



Specifications		FX751V	FX801V	FX850V	FX921V	FX1000V
Number of cylinders		2	2	2	2	2
Bore & Stroke	mm	84.5 x 76	84.5 x 76	84.5 x 76	89.15 x 80	89.2 x 80
Displacement	cm ³	852	852	852	999	999
Max power	kW hp rpm	18.1 24.2 3600	18.5 24.8 3600	19.6 26.3 3600	21.6 28.9 3600	23.5 31.4 3600
Max torque	Nm ft.lbs rpm	60.7 44.8 1800	60.1 44.3 2400	60.8 44.9 2400	66.7 49.2 2400	69.6 51.3 2400
Oil capacity	ltrs	2.4	2.4	2.4	2.1	2.2
Dry weight	kg	56.4	56.4	56.4	62.6	62.6
Dimensions mm	L W H	488 465 626	488 465 626	488 465 626	508 500 636	508 500 636

Features

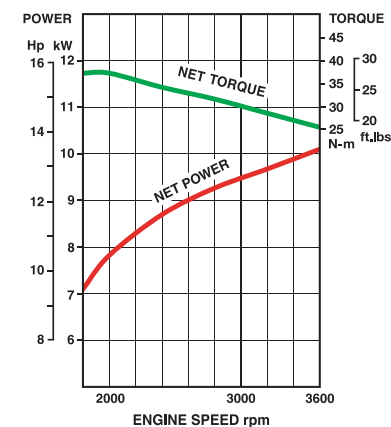
Overhead V-valves	•	•	•	•	•
3 valves per cylinder				•	•
90 degree V-twin	•	•	•	•	•
High performance lubrication system	•	•	•	•	•
Spherical combustion chambers	•	•	•	•	•
Electronic spark ignition	•	•	•	•	•
Automatic compression release	•	•	•	•	•
Heavy-duty shift type starter	•	•	•	•	•
Twin barrel, internally vented carburetor with fuel shut-off solenoid	•	•	•	•	•
High efficiency oil cooler	•	•	•	•	•
Rotating grass screen	•	•	•	•	•
Dual stage canister air filter	•	•	•	•	•
Cast iron cylinder liners	•	•	•	•	•
Metal engine cover	•	•	•	•	•
Clean out ports	•	•	•	•	•

Options

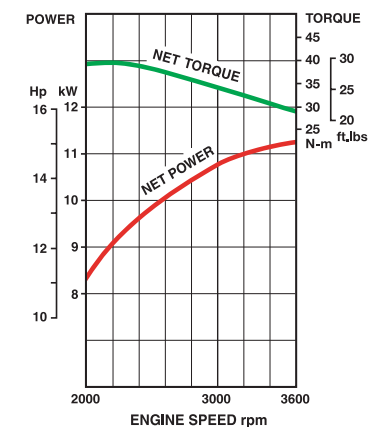
Shaft variations				•	•
Various speed control system	•	•	•	•	•
20 Amp charge coil	•	•	•	•	•
26 Amp charge coil				•	•
Various oil drains	•	•	•	•	•
Oil pressure switches	•	•	•	•	•
Muffler	•	•	•		

Performance Graphs

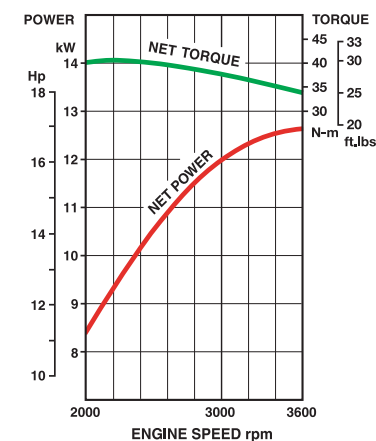
FX481V



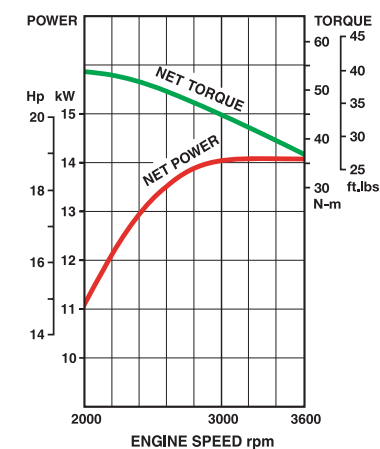
FX541V



FX600V

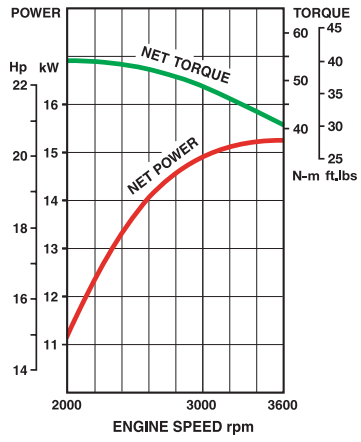


FX651V

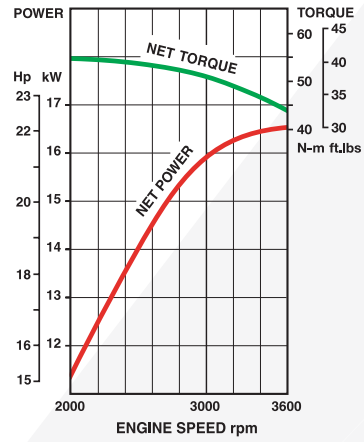


Performance Graphs (cont.)

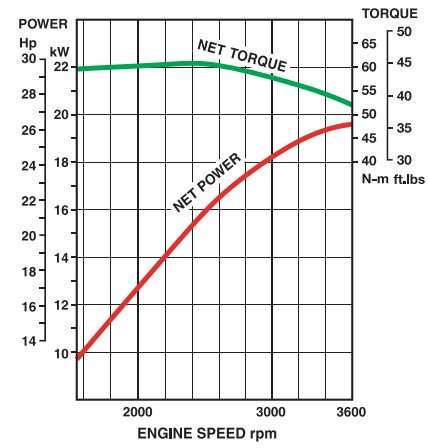
FX691V



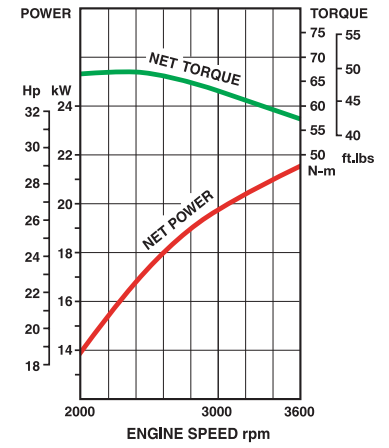
FX730V



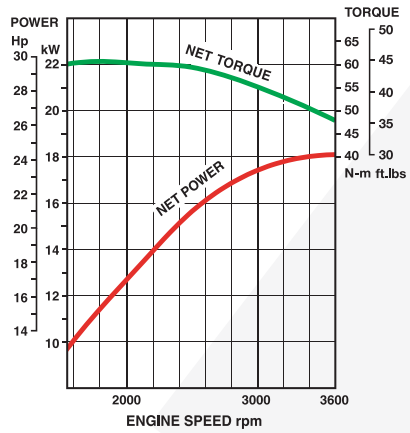
FX850V



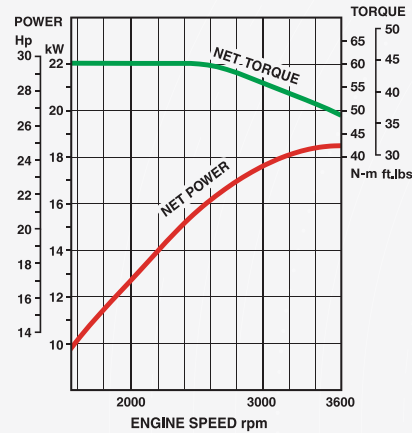
FX921V



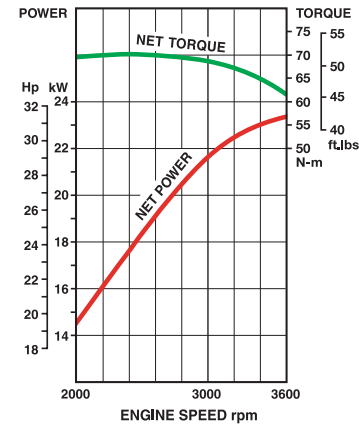
FX751V



FX801V



FX1000V

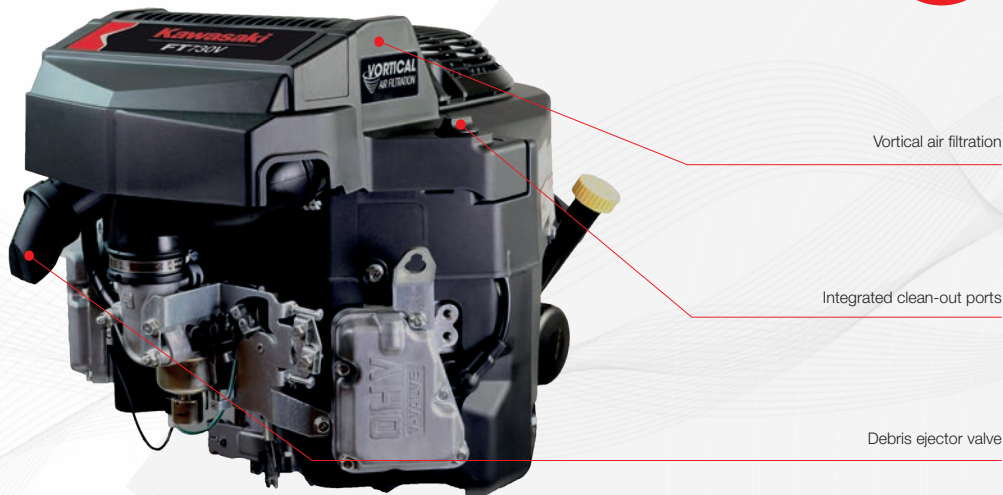


FT730V NEW

4-Stroke, Vertical Shaft, V-Twin, Overhead Valve, Air-cooled

The ultimate in debris management for professional turfcare, reducing maintenance downtime, improving performance and maximising engine life.

NEW
ENGINE



The FT730V with Vortical Air Filtration. Purpose built for external engine applications.

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

Remaining fine particles are intercepted by the filter, providing a significantly cleaner air intake. Two large integrated clean-out ports also allow easy, tool-free inspection and cleaning of the cylinders as needed.

The result: cooler running, fewer filter changes, improved engine performance, a longer engine life.

- **Vortical air filtration**
Minimises debris for a cleaner air intake and cooler running
- **Debris ejector valve**
Larger grass clippings are ejected away from the engine
- **Integrated clean-out ports**
Easy-access, large clean out ports for simple inspection and cleaning



AIR FILTRATION SYSTEM

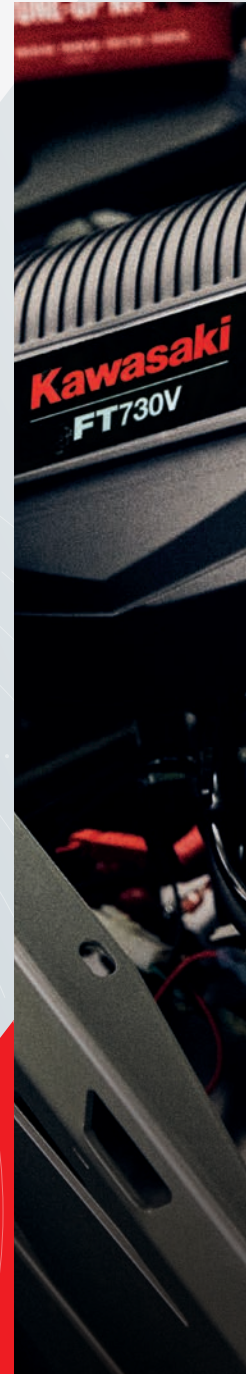


INTEGRATED CLEAN-OUT PORTS



DEBRIS EJECTOR VALVE

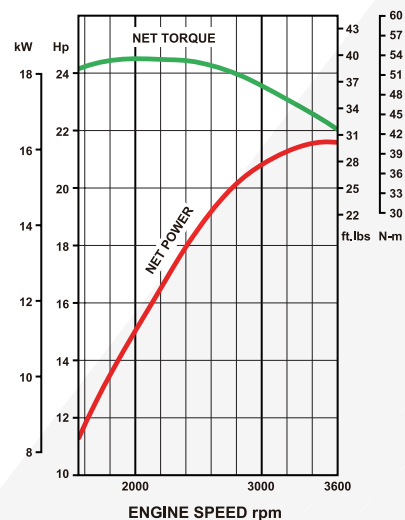
VORTICAL
AIR FILTRATION



Specifications		FT730V
Number of cylinders		2
Bore & Stroke	mm	78 x 76
Displacement	cm ³	726
Max power (Net)	kW	16.1
	hp	21.6
	rpm	3600
Max torque	Nm	53.7
	ft.lbs	39.6
	rpm	2000
Oil capacity	ltrs	2.2
Dry weight	kg	44.0
Dimensions mm	L	505
	W	462
	H	418
Features		
90 degree V-twin		•
High-efficiency, centrifugal air intake system		•
Dual-element air filtration with reinforced filter		•
Large, easy-to-access integrated clean-out ports		•
Pressurised lubrication system		•
Electronic spark ignition		•
Automatic compression release		•
Internally vented carburetor with fuel shut-off solenoid		•
Cast-iron cylinder liners		•
Rotating metal grass screen		•
Options		
Shaft variations		•
Various oil drains		•
Oil pressure switches		•
20 Amp charge coil		•
Muffler		•

Performance Graph

FT730V



Whenever I hear the name Kawasaki it inspires confidence. Straightaway you know you've got a brand you can rely on.

John Ryan,
Lawncare Legends



Electronic Fuel Injection Engines (EFI)

4-Stroke, Vertical Shaft, V-Twin, Overhead Valve, Air-cooled

For instant power, quicker mowing and cleaner cuts, our EFI engines are the key to improving commercial turfcare productivity.

- **Integrated electronic throttle control**

Instant throttle response gives turf professionals full available power, the second it's needed. Speed is maintained over heavy turf, tall grass and up steep hills. Blade speed holds steady giving a cleaner cut on the first pass. Get more work done – in less time – with better results.

- **Open loop design**

Our EFIs operate at strict, pre-determined standards for optimum commercial use performance. This design requires fewer sensors and parts, meaning simpler maintenance and easier upgrades.

- **Advanced electronic control unit (ECU)**

Continuously monitors ambient conditions and engine performance to deliver optimum power and efficiency at all times. Be confident of effective engine operation no matter how tough the conditions.

- **Multipoint sequential fuel injection**

High-precision fuel delivery is managed according to engine conditions and ECU feedback. Power per stroke and fuel economy is maximised, delivering optimum power and fuel efficiency.

- **SAE-J1939 CAN communication protocol**

Seamlessly and efficiently integrates real-time engine performance with the mower's controls, sensors and displays, allowing advanced operating features for the end user.

- **Simple, intuitive dealer diagnostics**

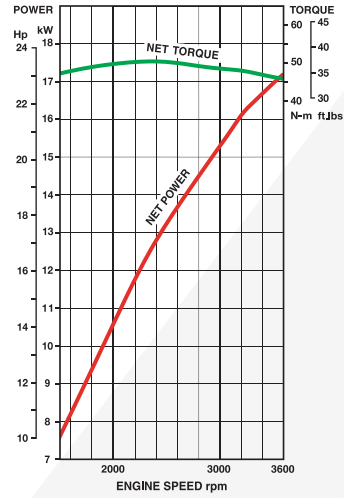
Downtime is minimised thanks to a PC or tablet plug-in diagnostic system. Delivers fast, easy troubleshooting and precise servicing, getting operators back to work quicker.

Specifications		FS730V EFI	FT730V EFI	FX730V EFI	FX850V EFI	FX1000V EFI
Number of cylinders		2	2	2	2	2
Bore & Stroke	mm	78 x 76	78 x 76	78 x 76	84.5 x 76	89.15 x 80
Displacement	cm ³	726	726	726	852	999
Max power (Net)	kW	17.2	16.9	17.0	19.9	24.5
	hp	23.1	22.6	22.8	26.7	32.9
	rpm	3600	3600	3600	3600	3600
Max torque	Nm	50.4	51.8	51.0	62.0	70.6
	ft.lbs	37.2	38.2	37.6	45.8	52.1
	rpm	2400	2600	2400	2400	2400
Oil capacity	ltrs	2.2	2.2	2.2	2.4	2.1
Dry weight	kg	46.5	48.5	50.1	56.7	69.9
Dimensions mm	L	507	517	501	524	607
	W	465	497	465	515	546
	H	409	418	587	620	623
Features						
90 degree V-twin		•	•	•	•	•
Integrated electronic throttle control unit		•	•	•	•	•
Pressurised lubrication system		•	•	•	•	•
Electronic ignition with variable spark timing		•	•	•	•	•
Automatic compression release		•		•		
Sequential multipoint 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		•	Large, easy access ports	•	•	Magnetic covers for easy maintenance
Metal engine cover				•	•	•
Heavy-duty shift type starter			•	•	•	•
Uniquely styled rain cap						•
Hexagon-shaped screen cover						•
High-efficiency, centrifugal air intake system			•			
30 Amp charge coil		•	•	•	•	•
Options						
Shaft variations		•	•	•	•	•
Various oil drains		•	•	•	•	•
Oil pressure switches		•	•	•	•	•
Muffler		•	•	•	•	•

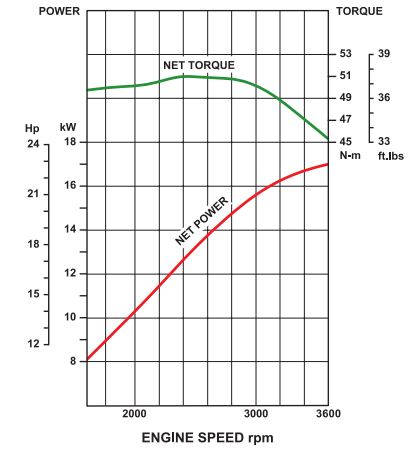


Performance Graphs

FS730V EFI

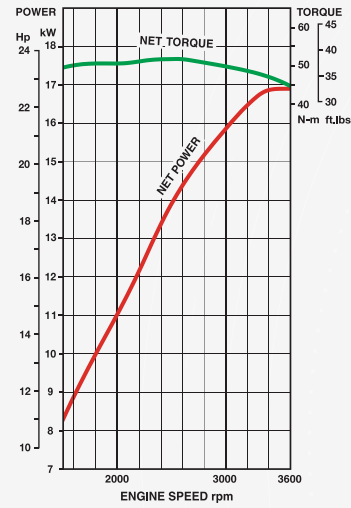


FX730V EFI

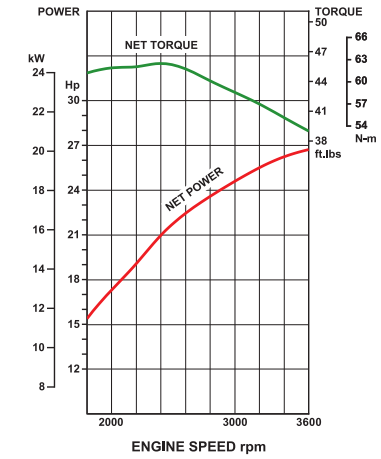


FT730V EFI*

* Currently only available for US OEMs



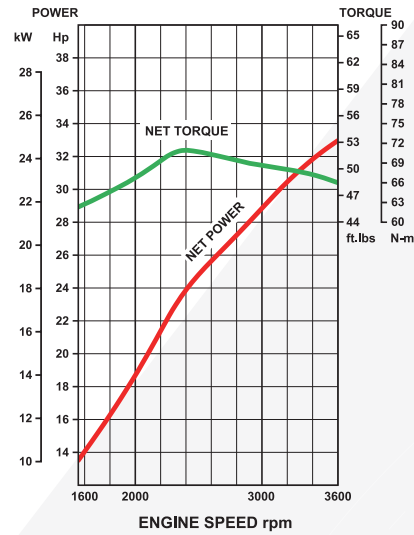
FX850V EFI



Performance Graphs (cont.)

FX1000V EFI*

* Currently only available for US OEMs



The customer feedback we've always had with Kawasaki is fantastic. The products are reliable, they're powerful, support is excellent.

Darren Spencer,
Ariens Co, Vice President
EMEA & Asia



Genuine Parts

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Kawasaki Air and Fuel Filters

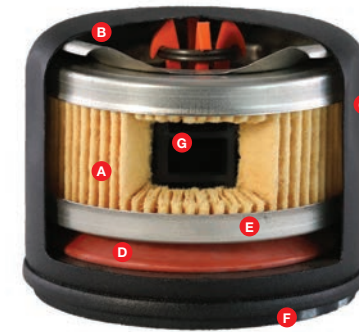
Kawasaki air and fuel filters are designed with media, materials and permeability that match the flow rates, operating pressures and temperatures of your Kawasaki engine. And they fit exactly right.



Kawasaki 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. An anti-drain back valve prevents cold-start wear and a pressure-activated bypass valve maintains flow in case of blockage. Silicone valves, rubber seals and a heavy canister, stand up to high temperatures and severe use.

This is engine protection you can count on.



- A** Premium filter
- B** Bypass valve
- C** Steel housing
- D** Anti-drain back
- E** Durable end caps
- F** Rubber o-ring
- G** Nylon core



FS / FT / FX
EFI / carb fuel filter
49019-0031



FJ / FR / FS / FX
carb fuel filter
49019-0027



FD fuel filter
49019-0032



Fits most engines
49065-0724



Factory installed on
FR / FS / FT / FX 600
& 730 series engines
49065-0721*

*Replaces 49065-7007

European Dealer Network & Warranty

SUPPORT YOU CAN TRUST

Our dedication to reliability isn't limited to the design and manufacture of our engines. Customers are supported for the life of their engine – for parts, servicing and expert advice – through our European Service Network of Kawasaki Engines Authorised Dealers.

We also provide every owner with a class-leading warranty to cover their first years of use, offering unlimited hours for both commercial and private customers.



Powered by Kawasaki

Kawasaki Engines are world renowned for their high build quality and exceptional reliability. Our 'Powered by Kawasaki' badge is a mark of our quality, signifying products that customers across the globe can rely on.



Your Authorised Kawasaki
Engines Representative

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