



Kawasaki

Engines

2017 PRODUCT CATALOG

EMPOWERING
Ambition

Success STARTS INSIDE

When you have big goals in mind, you want a Kawasaki engine in your mower. More landscapers prefer Kawasaki power and reliability than any other engine brand¹. Premium mowers count on their proven strength and quality. Kawasaki re-powers extend the productive life of hard-working equipment. Authorized Kawasaki dealers meet your needs with world-class service and parts. And Kawasaki's 3-year limited warranty gives you confidence you can count on.

In landscaping, success is driven by ambition. And often powered by Kawasaki.

Kawasaki
Engines



¹ 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.



Performance BEYOND HORSEPOWER

You need more than strong engines. You need strong support. Your **Authorized Kawasaki Engines Dealer** has what it takes to keep you running like a well-oiled machine: efficient new equipment, cost-effective repowers and rebuilds, genuine parts, service and advice. Your dealer is trained, equipped, factory-supported and personally motivated to help you work smart. As a professional, you put a lot into your business — your authorized Kawasaki engines dealer can help you get the most out of it. Find him at www.Kawasaki.com/DealerLocatorPower/Search

CONTENTS

GLOBAL HERITAGE	6
60 YEAR TIMELINE	7
FX SERIES	8–15
FS SERIES	16–19
FR SERIES	20–22
EFI TECHNOLOGY	23
FD SERIES	24–25
FJ/FJ KAI™ SERIES	26
CRITICAL POWER	27
KAWASAKI GENUINE PARTS	28–31
REPOWER	32–33
COMPLETE ENGINE LINE	34
OPTIONAL FEATURES	35

Kawasaki
Engines

NO WONDER YOUR MOWING IS *World-Class*

Kawasaki has been building premium general purpose engines for 60 years, backed by the depth, strength and creativity of a world-wide engineering and production powerhouse. Innovations from across our entire aerospace, transportation, energy, industrial and consumer-products family constantly improve the engines you use, keeping you productive and competitive year after year.



1957 – FIRST KAWASAKI SMALL ENGINE

Kawasaki General Purpose Engines division releases a 250cc engine with airplane air-cooled technology and cast-iron cylinder liners

1968 – FIRST MILLION SMALL ENGINES

Total production for division reaches 1,000,000 engines, including a new outboard design

1970 – FIRST SNOWMOBILE RACING ENGINE

Kawasaki creates a powerplant designed especially for popular winter racing

1983 – FIRST 10 MILLION SMALL ENGINES

Kawasaki sets industry record for total combined production

1987 – FIRST LIQUID-COOLED KAWASAKI ENGINE

New liquid-cooled, 2-cylinder FD model is released, along with Kawasaki's first walk-behind mower engine

1988 – FIRST 15 MILLION SMALL ENGINES

Combined GPE production sets another industry record

1989 – MARYVILLE, MISSOURI PLANT OPENS

Kawasaki begins building world-class engines in the heart of the USA

1993 – FIRST 20 MILLION SMALL ENGINES

Includes new engine designs that set record sales levels

2001 – FJ SERIES INTRODUCED

Tough, air-cooled single-cylinder, powerplant brings Kawasaki performance to a new range of products

2005 – FX SERIES INTRODUCED

Breakthrough commercial-grade engines bring new performance levels to the toughest jobs

2010 – FS SERIES, FR SERIES INTRODUCED

Mid-duty and residential engines expand Kawasaki performance to wider markets

2012 – FIRST SAE POWER CERTIFIED SMALL ENGINES

Kawasaki moves to SAE J2723, the tightest horsepower-rating standard in the industry, ensuring full, consistent power from its Critical Power engines

2015 – NEXT-GENERATION EFI ENGINE INTRODUCED

Breakthrough electronic fuel injection technology elevates the new FS730V-EFI engine to new level of performance

2016 – KAWASAKI EFI POWER EXPANDS

New FX730V-EFI model added, giving more users the efficiency, power and quality results of Kawasaki EFI

2017 – NEW FX850V-EFI INTRODUCED

New commercial-grade FX Series EFI model gives top OEMs and pro landscapers a new power option



**60 YEARS OF ENGINEERING EXCELLENCE
KAWASAKI GENERAL PURPOSE ENGINES**

FX

Air-Cooled V-Twin: Vertical Shaft

Handcrafted

HORSEPOWER

The FX engine elevates “commercial grade” to a new level: strictly heavy duty, built for the toughest jobs, crafted with hands-on 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 to ensure full rated horsepower. When your job, your product, or your reputation demands the best you’ve got, this is the engine to get.

• Commercial mowers

• Heavy-duty industrial and construction equipment

Kawasaki

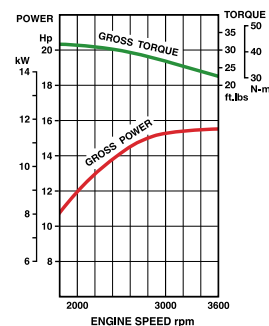
Engines

FX481V / 15.5 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	15.5hp (11.6kW) / 3600 rpm
Maximum Torque	31.4 ft. lbs. (42.6 N•m) / 1800 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	89.7 lbs. (40.7kg)

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter



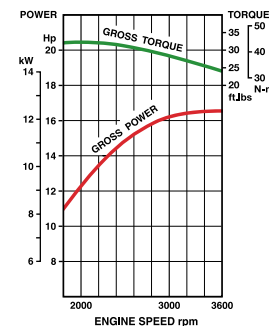
CRITICAL
POWER

FX541V / 16.5 HP



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

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter



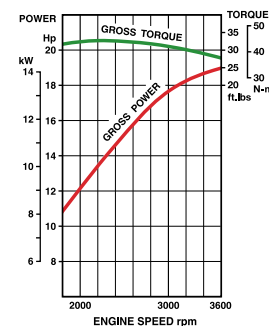
CRITICAL
POWER

FX600V / 19.0 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	19.0hp (14.2kW) / 3600 rpm
Maximum Torque	32.5 ft. lbs. (44.1 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	89.7 lbs. (40.7kg)

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter



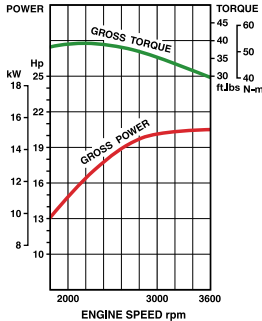
CRITICAL
POWER

FX651V / 20.5 HP



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

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter

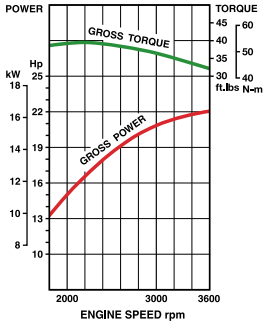


FX691V / 22.0 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	22.0hp (16.4kW) / 3600 rpm
Maximum Torque	39.4 ft. lbs. (53.4 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	101.4 lbs. (46.0kg)

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter

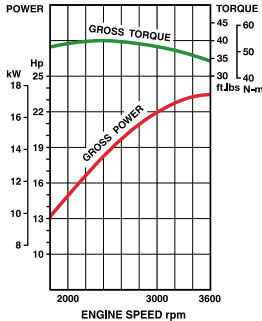


FX730V / 23.5 HP



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

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter



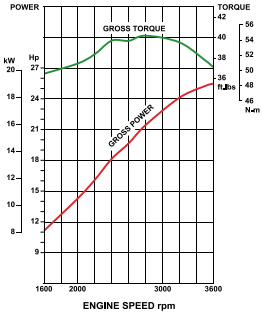
FX730V-EFI / 25.5 HP



EFI

ENGINE TYPE	Forced Air-Cooled V-twin Fuel Injected 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.5hp (19.0kW) / 3600 rpm
Maximum Torque	40.3 ft. lbs. (54.6 N•m) / 2800 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	110.7 lbs. (50.2kg)

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



FX751V / 24.5 HP



FX801V / 25.5 HP



FX850V / 27.0 HP



FX850V-EFI / 29.5 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76mm)
Displacement	852cc (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	24.5hp (18.3kW) / 3600 rpm
Maximum Torque	44.4 ft. lbs. (60.2 N•m) / 2200 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	124 lbs. (56.4kg)

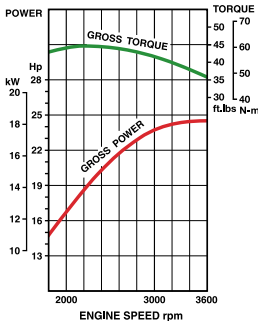
ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76mm)
Displacement	852cc (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.5hp (19.0kW) / 3600 rpm
Maximum Torque	44.6 ft. lbs. (60.5 N•m) / 2400 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	124 lbs. (56.4kg)

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

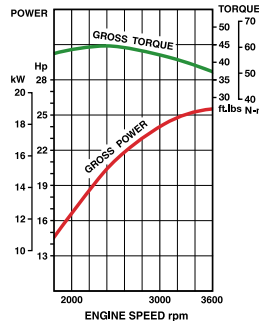
EFI

ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.33 x 2.99 in. (84.5 x 76mm)
Displacement	852cc (52 cu. in.)
Compression Ratio	8.2:1
Maximum Power	29.5hp (22.0kW) / 3600 rpm
Maximum Torque	48.5 ft. lbs. (65.7 N•m) / 2600 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	131.6 lbs. (59.7kg)

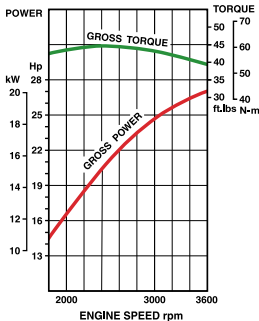
- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter
- High efficiency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



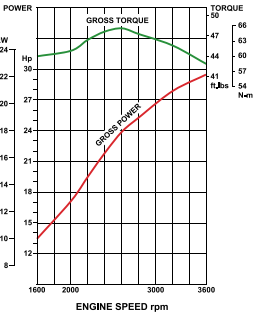
- 90° V-TYPE
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter
- High efficiency oil cooler



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



- 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

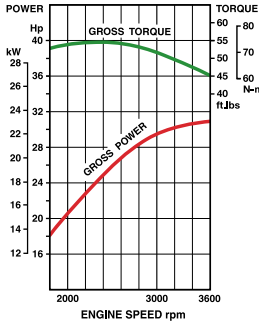


FX921V / 31.0 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.5 x 3.15 in. (89.15 x 80mm)
Displacement	999cc (61 cu. in.)
Compression Ratio	8.4:1
Maximum Power	31.0hp (23.1kW) / 3600 rpm
Maximum Torque	54.3 ft. lbs. (73.6 N•m) / 2400 rpm
Oil Capacity	2.5 U.S. qt. (2.4 liter) w/Filter
Dry Weight	138.0 lbs. (62.6kg)

- 90° V-twin
- Pressurized lubrication system
- Electronic spark ignition
- Automatic compression release
- Multi-Stage canister air filter
- Cast-iron cylinder liners
- Rotating metal grass chopper screen
- Metal engine cover with integrated clean out ports
- Heavy-duty shift-type starter
- High efficiency oil cooler
- Three Valves per cylinder

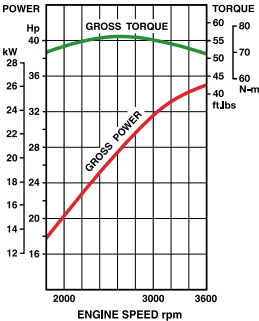


FX1000V / 35.0 HP



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

- 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



FS

Air-Cooled V-Twin: Vertical Shaft

CREATED TO
Impress

FS Series engines master the mid-duty jobs that make up the bulk of your business. Easy starting and smooth running add to operator comfort. Long service intervals and simple maintenance boost uptime. With the well-proven FS, you get plenty of power to drive big ride-ons, reliability that keeps mowers on the job, and the kind of clean, consistent results that impress customers.

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

Kawasaki

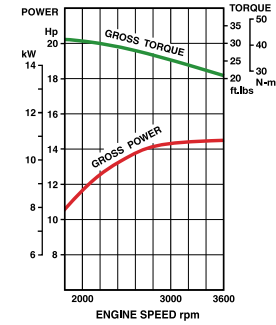
Engines

FS481V / 14.5 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	14.5hp (10.8kW) / 3600 rpm
Maximum Torque	30.9 ft. lbs. (42.0 N•m) / 1800 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (no muffler)	80.9 lbs. (36.7kg)

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

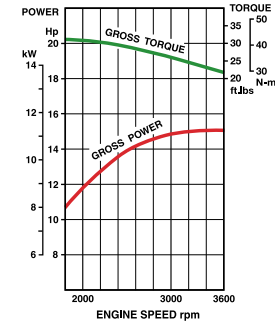


FS541V / 15.0 HP



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

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

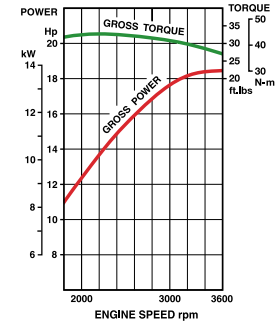


FS600V / 18.5 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	18.5hp (13.8kW) / 3600 rpm
Maximum Torque	32.5 ft. lbs. (44.1 N•m) / 2000 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	80.9 lbs. (36.7kg)

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

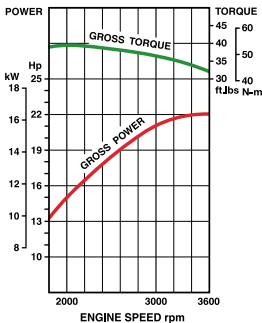


FS651V / 22.0 HP



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	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	22.0hp (16.4kW) / 3600 rpm
Maximum Torque	39.4 ft. lbs. (53.3 N•m) / 2000 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	90.4 lbs. (41.0kg)

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

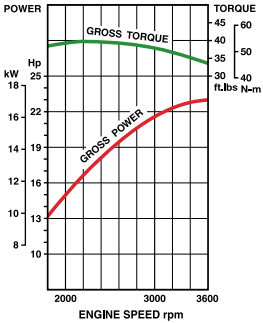


FS691V / 23.0 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	23.0hp (17.2kW) / 3600 rpm
Maximum Torque	39.9 ft. lbs. (54.1 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	90.4 lbs. (41.0kg)

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

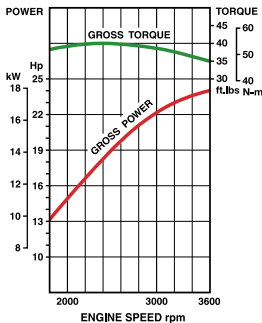


FS730V / 24.0 HP



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	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	24.0hp (17.9kW) / 3600 rpm
Maximum Torque	40.0 ft. lbs. (54.2 N•m) / 2400 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	90.4 lbs. (41.0kg)

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



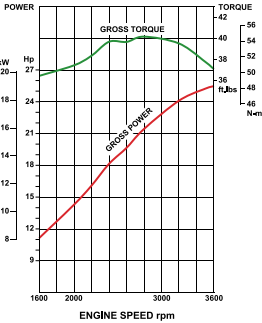
FS730V-EFI / 25.5HP



EFI

ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	25.5hp (19.0kW) / 3600 rpm
Maximum Torque	40.0 ft. lbs. (54.2 N•m) / 2400 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	91.5 lbs. (41.5kg)

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



FR

Air-Cooled V-Twin: Vertical Shaft

RESIDENTIAL

Masterpiece

FR Series engines are engineered to blend muscle, economy and efficiency into a residential-use powerhouse. Torque and power are ideal for lawn and landscape grasses. Operation is smooth and quiet, perfect for neighborhood use. Compact design means nimble operation, and Kawasaki durability helps ensure long service life. When it comes to getting things done, this is the engine that brings professional quality home.

- Residential zero-turn mowers
- Lawn and garden tractors

Kawasaki

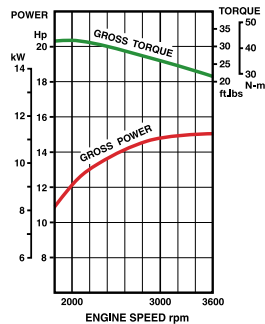
Engines

FR541V / 15.0 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	15.0hp (11.2kW) / 3600 rpm
Maximum Torque	31.7 ft. lbs. (43.0 N•m) / 2000 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	80.9 lbs. (36.7kg)

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

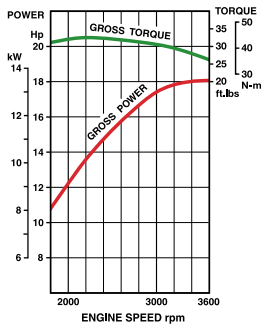


FR600V / 18.0 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	2.9 x 2.8 in. (73 x 72mm)
Displacement	603cc (36.8 cu. in.)
Compression Ratio	8.1:1
Maximum Power	18.0hp (13.4kW) / 3600 rpm
Maximum Torque	32.4 ft. lbs. (44.0 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight	80.9 lbs. (36.7kg)

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

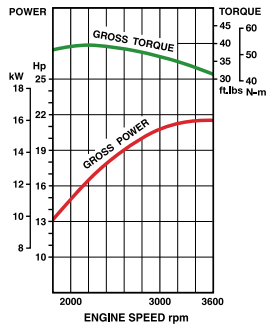


FR651V / 21.5 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	21.5hp (16.0kW) / 3600 rpm
Maximum Torque	39.3 ft. lbs. (53.3 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	88.2 lbs. (40.0kg)

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

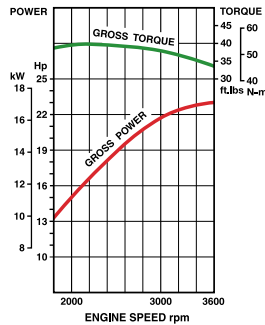


FR691V / 23.0 HP



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 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	23.0hp (17.2kW) / 3600 rpm
Maximum Torque	39.5 ft. lbs. (53.6 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	88.2 lbs. (40.0kg)

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

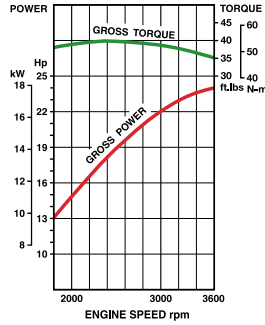


FR730V / 24.0 HP



ENGINE TYPE	Forced Air-Cooled V-twin 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.1 x 3.0 in. (78 x 76mm)
Displacement	726cc (44.3 cu. in.)
Compression Ratio	8.2:1
Maximum Power	24.0hp (17.9kW) / 3600 rpm
Maximum Torque	39.7 ft. lbs. (53.9 N•m) / 2200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	88.2 lbs. (40.0kg)

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



EFI PRODUCTIVITY

Mastered

OPEN-LOOP TECHNOLOGY

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



For those who prefer fuel-injected power, Kawasaki EFI is the clear choice. The integrated electronic governor — the eGov system — maintains steady blade tip speed through changing turf and terrain. Advanced ECU and sequential-firing injectors get more power from less fuel. Superior torque cuts fast and clean. Automatic enrichment and timing mean quick starts and optimum power. Integrated head-temp monitor guards against overheating through long days and heavy loads. Top performance: that's how you master productivity.



FD

Liquid-Cooled V-Twin: Horizontal Shaft

COMPACT
Genius

The FD Series engines are high-torque powerplants with small footprints, ideal for tight installations. Efficient liquid cooling disperses heat in compact engine bays. Light weight enhances equipment handling for nimble operation. Available fuel injection, overhead V-valves, full pressure lubrication, and cast-iron cylinder liners help ensure long, productive life in heavy use.

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

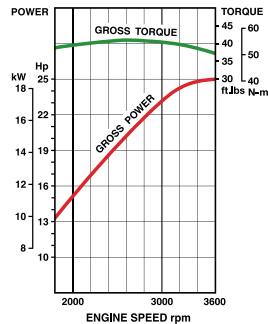
Kawasaki

Engines



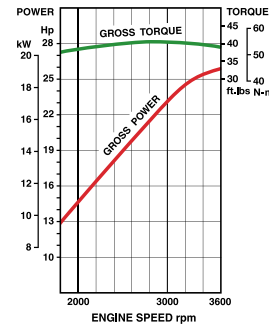
ENGINE TYPE	Liquid-Cooled V-twin 4-cycle Horizontal Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.07 x 3.07 in. (78 x 78mm)
Displacement	745cc (45.5 cu. in.)
Compression Ratio	8.6:1
Maximum Power	25.0hp (18.7 kW) / 3600 rpm
Maximum Torque	41 ft. lbs. (55.6 N•m) / 2600 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	127.9 lbs. (58.0kg)

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



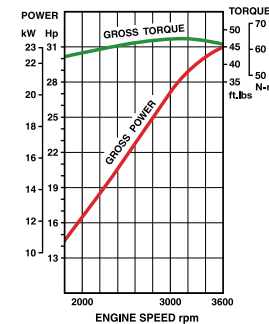
ENGINE TYPE	Liquid-Cooled V-twin 4-cycle, Digital Fuel Injected, Horizontal Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.07 x 3.07 in. (78 x 78mm)
Displacement	745cc (45.5 cu. in.)
Compression Ratio	9.0:1
Maximum Power	26.0hp (19.4 kW) / 3600 rpm
Maximum Torque	40.5 ft. lbs. (54.9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

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



ENGINE TYPE	Liquid-Cooled V-twin 4-cycle, Digital Fuel Injected, Horizontal Shaft OHV Gasoline Engine
Number of Cylinders	2
Bore x Stroke	3.2 x 3.1 in. (82 x 78mm)
Displacement	824cc (50.3 cu. in.)
Compression Ratio	9.0:1
Maximum Power	31.0hp (23.1 kW) / 3600 rpm
Maximum Torque	47.1 ft. lbs. (63.9 N•m) / 3200 rpm
Oil Capacity	2.1 U.S. qt. (2.0 liter) w/Filter
Dry Weight (without muffler)	126.8 lbs. (57.5kg)

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



FJ/FJ KAI™

Air-Cooled Single Cylinder: Vertical Shaft

Masters OF VERSATILITY

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

Kawasaki

Engines

FJ180V



ENGINE TYPE	Forced Air-Cooled 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	1
Bore x Stroke	2.6 x 2.1 in. (65 x 54mm)
Displacement	179cc (10.9 cu. in.)
Compression Ratio	8.5:1
Fuel Tank Capacity	1.69 U.S. qt. (1.6 liter) Standard
Oil Capacity	0.6 U.S. qt. (0.6 liter)
Dry Weight	37.5 lbs. (17.0kg)

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

FJ180V KAI™



ENGINE TYPE	Forced Air-Cooled 4-cycle Vertical Shaft OHV Gasoline Engine
Number of Cylinders	1
Bore x Stroke	2.6 x 2.1 in. (65 x 54mm)
Displacement	179cc (10.9 cu. in.)
Compression Ratio	8.5:1
Fuel Tank Capacity	1.9 U.S. qt. (1.8 liter) Standard
Oil Capacity	0.6 U.S. qt. (0.6 liter) w/Filter
Dry Weight	37.26 lbs. (16.9kg)

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

THE *Fine Art* OF SHEER STRENGTH

Critical Power: SAE Certified Muscle

Kawasaki Critical Power engines are SAE Certified for consistent, accurate horsepower. They are rated per SAE J2723, the tightest standard in the industry, so you'll get all the hard-working capacity you expect. Kawasaki is the first turf engine to apply such a high rating standard, achieve third- party power verification, and deliver SAE Certified performance. We insist on the best. Just like you.

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

CRITICAL
POWER

SAE J1995
CERTIFIED
POWER™
An SAE International Standard

3
YR.*
WARRANTY



PARTS & *Craft*



Kawasaki | GENUINE PARTS
Engines

As a pro landscaper, you know that parts that aren't crafted for your Kawasaki engine might work – or might not. They can introduce impurities into precision components, lead to rough running and wasted fuel, and actually damage your engine. Why risk it? Instead of cutting corners with aftermarket parts, protect your investment with parts crafted to fit and work right: Kawasaki Genuine Parts. It's the smart way to keep your Kawasaki-powered mowers doing what they do best.

HIGH-PERFORMANCE 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-30
1 Quart Bottle
99969-6081



SAE 30
1 Quart Bottle
99969-6281



SAE 10W-40
1 Quart Bottle
99969-6296



SAE 20W-50
1 Quart Bottle
99969-6298

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



FR/FS/FX
49065-7007

AIR AND FUEL FILTERS

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



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



FD Fuel Filter
49019-1055

TUNE-UP KITS

Kawasaki tune-up kits contain high-efficiency oil and air 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, it all fits and works, and it is all designed to make quick work of a critical job.



KIT #	COMPATIBILITY
99969-6142B	select FJ models
99969-6287	select FJ models
99969-6397	FJ180V KAI
99969-6353	FH451V / 500V / 531V / 541V / 580V
99969-6378	FH601V / 641V / 680V / 721V
99969-6355	FH601V / 641V / 661V / 680V / 721V / 770D KAI
99969-6377	FH381V KAI / 430V KAI / 480V KAI / 541V KAI / 580V KAI
99969-6371	FR541V / FR600V
99969-6372	FR651V / 691V / 730V / FS481V / 541V / 600V / 651V / 691V / 730V
99969-6373	FX481V / 541V / 600V
99969-6374	FX651V / 691V / 730V
99969-6375	FX751V / 801V / 850V
99969-6376	FX921V / 1000V

SHORT BLOCK ASSEMBLIES

Now you can repower your Kawasaki FS or FX Series engine faster and more cost-effectively, with a factory-made short block assembly. Available in nine different sizes, all crafted with the quality and precision of your original Kawasaki engine. Contact your local authorized Kawasaki engines dealer for information and ordering.



PART #	ENGINE APPLICATION	PTO SIZE
59341-0011	FS & FX: 481V / 541V / 600V	1" X 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 [kawasakenginesusa.com/kawasaki-warranties](https://www.kawasakenginesusa.com/kawasaki-warranties)

GENUINE PARTS

RESTORE THE POWER TO *Impress*

You don't always have to replace a hard-working mower — restore its power and productivity with a fresh Kawasaki engine. Direct, same-model Kawasaki replacement engines make installation easy. You may be able to upgrade to a different Kawasaki model, for higher productivity from 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 2017 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
FX481V	•		•		•	•			•	15.5
FX541V	•		•		•	•			•	16.5
FX600V	•		•		•	•			•	19.0
FX651V	•		•		•	•			•	20.5
FX691V	•		•		•	•			•	22.0
FX730V	•		•		•	•			•	23.5
FX730V-EFI	•		•		•		•		•	25.5
FX751V	•		•		•	•			•	24.5
FX801V	•		•		•	•			•	25.5
FX850V	•		•		•	•			•	27.0
FX850V-EFI	•		•		•		•		•	29.5
FX921V	•		•		•	•			•	31.0
FX1000V	•		•		•	•			•	35.0

OPTIONAL FEATURES

ENGINE SERIES	FX	FS	FR	FD
Multi Position Recoil Start	•	•		
Bendix Start	•	•	•	
Shift Start	•			•
Optional Fuel Pump Side Muffler	•	•	•	•
Optional Oil Filter Side Muffler	•	•	•	
15 Amp Charging System	•	•	•	
20 Amp Charging System	•			•
30 Amp Charging System				•
Clutch Coil Charging System	•	•		
Tune-up Kit Available	See Pg. 31	See Pg. 31	See Pg. 31	See Pg. 31
Filter Minder Available	•			•
Short Block Available	See Pg. 31	See Pg. 31		

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

Kawasaki

Engines



Kawasaki is the first turf engine that's SAE Certified for consistent, accurate horsepower. Critical Power is rated per SAE J2723, the tightest standard in the industry, so you get all the hard-working power you expect. Kawasaki is the first turf engine to apply such a high standard, the first to achieve third-party power verification, and the first SAE Certified turf engine. We insist on the best. Just like our customers.



Critical Power Engines

Only Kawasaki Critical Power engines listed in this brochure have been tested in accordance with SAE J1995, verified by TÜV Rheinland Group, horsepower-rated in accordance with SAE J2723, and certified by SAE International. Torque ratings of these engines were not certified by SAE. Actual power and torque output will vary depending on numerous factors, including, but not limited to, the operating speed of the engine in application, environmental conditions, maintenance, and other variables.

Non-Critical Power Engines

The gross power ratings of these engines are referenced for OEM customers. Kawasaki does not intend this information to accompany the engine and/or the lawnmower at the time of retail sale to a consumer. The gross power ratings were determined by using measurements according to SAE J1995 as rated by Kawasaki, not witnessed by a third party tester. Actual power output will vary depending on numerous factors, including, but not limited to, the operating speed of the engine in application, environmental conditions, maintenance, and other variables.

Kawasaki

Engines

P/N 99969-6401

©2016 KAWASAKI MOTORS CORP., U.S.A.
PRINTED IN THE U.S.A.

WWW.KAWASAKIENGINESUSA.COM