

STIHL[®]



The Road to Green is Orange

Eco-conscious Outdoor Power Equipment from STIHL.



The Road to Green is Orange

Even 80 years after the formation of our company, STIHL continues to be the leading brand of chain saw in the world. There are STIHL sales organizations and importers in more than 160 countries. 35,000 STIHL approved dealers provide personal service for users around the world. This means that we are closer to you and all other customers than ever before.

Today the STIHL brand not only stands for innovative technology, unique quality and comprehensive service, but also for a worldwide presence. Our equipment provides you and other users around the world with what you require for working in your specific region: environmental and safety standards which comply with the legal standards and regulations in your country. Features which make it easier for you to work in your environment or with your specific working technique. Innovative technologies which adapt your STIHL equipment to the climatic conditions in your country.

From forestry workers, to landscapers, to farmers and homeowners; our proximity to you, the user, provides us time and again with new impetus for visionary ideas. In this way we are able to develop equipment which is perfectly matched to you and your work, no matter in which part of the world you face your challenge.

Experience the proven diversity of STIHL during your voyage of discovery through the world of STIHL. We hope it will be an enjoyable one!

Yours,

Hans Peter Stihl

Chairman of the Supervisory Board of STIHL AG



We know the lay of the land.



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As a leader in the outdoor power equipment industry, STIHL believes it is our duty to set the example in sustainability and continue to invest in innovative technologies, programs and partnerships as part of our ongoing commitment to socially responsible environmental stewardship. With the largest and most advanced handheld R&D facility in the outdoor power equipment industry at their disposal, STIHL engineers are continually developing and delivering technology that helps our customers achieve their sustainability goals. Since 1926, STIHL has been known as a leader in setting new industry standards for technological innovation. STIHL engineers continue to develop and deliver products that lead the way in engine power and performance, reduced emissions, lower noise, increased fuel efficiency and user comfort. Here are just a few of the highlights:

Low-emission Engines. STIHL uses a variety of engine technologies to provide powerful, lightweight equipment that delivers low emissions, increased fuel efficiency, low noise and decreased maintenance. Customers can choose from STIHL's patented hybrid 4-MIX® or stratified charge 2-cycle depending on their particular needs and objectives.

Electric. STIHL also produces a line of corded electric equipment that offers the quality, performance and safety features our customers expect from STIHL, while minimizing environmental impact. And with the launch of our 36-volt STIHL Lithium-Ion battery technology, our customers will have yet another option in zero emission products.

Ergonomic Designs increase operator comfort and safety and help reduce fatigue. From reduced vibration and the shape of the handle to the contour of the shoulder straps, STIHL engineers have taken every detail into consideration and designed STIHL equipment with the end user in mind.

Non-petroleum Based Lubricants and Oils provide a highly biodegradable, more environmentally friendly alternative to traditional oils. These ester or vegetable-based oils are less harmful to humans, animals, microorganisms and plants.

STIHL OIOMATIC® Saw Chains and Ematic™ Guide Bars provide optimal lubrication, longer wear and less oil consumption than conventional methods which can translate into significant cost savings.

We're all in this together.

STIHL partners with agencies and organizations that encourage the responsible use of natural resources, promote sustainable growth woodlands, and support the continuing education of our future farmers and green industry professionals. STIHL believes we can all work together to keep our country clean, green and beautiful.

The Tropical Forest Foundation (TFF)

STIHL is a proud sponsor of the TFF and an active participant on its Board of Directors. The TFF is a non-profit, educational institution dedicated to the conservation of tropical forests through sustainable forestry. TFF is widely recognized for establishing demonstration models and training schools and teaching the principles of sustainable forest management and reduced-impact logging.



STIHL Tour des Trees

The STIHL Tour des Trees is the chief fundraising event for the Tree Research and Education Endowment Fund (TREE Fund), a 501(c)3 organization which provides research grants, scholarships and educational programs to advance knowledge in the field of arboriculture and urban forestry. The annual bike tour covers 500 miles and features arborists and others with a passion for tree care. Along the way, riders engage in public education programs and tree planting events to help raise community awareness of the importance of trees in our communities. STIHL is proud to be the tour's title sponsor.



American Tree Farm System (ATFS)

STIHL, in an exclusive partnership with the American Tree Farm System and its more than 90,000 independent land owners, will help plant more than five million trees this year.



National FFA

STIHL is proud to support the FFA, an organization dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.



Professional Landcare Network (PLANET). PLANET is the premier national association representing professionals in the Green Industry. STIHL is proud to be the sole Platinum sponsor of the PLANET Student Career Days competition for students enrolled in horticulture and landscape programs from colleges and universities across the country.



P. Allen Smith



This award-winning garden designer and author is the host of his own public television and syndicated programs. He has emerged as America's most recognized and respected garden design expert, providing ideas and inspiration through multiple media venues. Allen uses STIHL equipment in the maintenance of his 400-acre Garden Home Retreat.

Chuck Leavell



A member of the Rolling Stones, and one of the most respected keyboardists in the world of rock 'n' roll, Chuck is also an award winning tree farmer and author. A board member of the American Forest Foundation and founder of the Mother Nature Network, Chuck continues to speak and act to protect our environment and has earned a fast-growing reputation as one of our country's foremost conservationists.

For more information about our partnerships in caring for nature, visit www.STIHLusa.com/green.

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Setting environmental standards for the industry

Emissions and noise are the two major environmental impact areas for outdoor power equipment. There are established targets for allowable limits on emissions and noise which manufacturers use in developing their products. As a leading manufacturer of outdoor power equipment, STIHL makes every effort to meet or better the established standards for our handheld outdoor power equipment, use environmentally responsible production practices, and deliver the performance that our customers require.

EMISSIONS

Exhaust gas is emitted as a result of the combustion of fuels such as natural gas or gasoline. The primary resource for determining the emissions standards for the industry and the emissions performance of various equipment is the Environmental Protection Agency (EPA). In order to create a standard means of measurement, the EPA determined that emissions should be measured in grams per kilowatt hours and includes byproducts such as carbon monoxide and HC+NO_x, (the sum of unburned hydrocarbons (HC = fuel) and oxides of Nitrogen (NO_x)).

Setting Emission Levels

Emission standards focus on reducing pollutants contained in the exhaust gases. The standard means of reporting equipment emissions is the **Family Emission Limit (FEL)** which is representative of all the engines in a given family instead of just one particular engine. Manufacturers usually set their own FEL for each engine family they manufacture based upon their official emission test results.

Equipment Comparison

The average emissions of a particular engine family in a model year must not exceed the FEL, and the lower the FEL, the cleaner the units are in that family. The current EPA emission standards for HC+NO_x for gasoline-powered handheld equipment are **50 g/kWh** for products < 50cc and **72 g/kWh** for products > 50cc.

NOISE

Increasingly, the amount of noise generated by a piece of equipment is being considered when determining its impact on the environment.

The Decibel

The basic way to describe the volume of sound we hear in everyday life is the A-weighted decibel or dB(A). It takes into account how the human ear perceives the loudness and frequency of sound being generated by a piece of equipment.

The basic standards for certifying sound levels for handheld and backpack blowers are set by the American National Standards Institute (ANSI) standard B 175.2-2000 (R2005).

Equipment Comparison

Because of the way dB(A) is calculated, an increase in 3 dB(A) is actually a doubling of the amount of sound generated. Therefore the increase in noise generated by a unit at 74 dB(A) and one at 65 dB(A) is not 14%, but actually 800%.

STIHL FS 90 R and FS 90 Trimmers

Professional User

SPECIFICATIONS

Displacement	28.4 cc (1.73 cu. in.)
Engine Power	0.95 kW (1.27 bhp)
Weight*	Loop: 5.3 kg (11.7 lbs.) Bike: 5.5 kg (12.1 lbs.)
Fuel Capacity	530 cc (18.0 oz.)

* Weight without cutting attachment or deflector.

The STIHL FS 90 R and FS 90 professional trimmers feature the patented low-emission, fuel-efficient STIHL engine that uses 2-cycle (50:1) fuel-oil mix for engine lubrication, eliminating the need for a separate oil reservoir. The solid drive shaft offers professionals flexibility in trimming applications. With the appropriate deflectors and handle configurations, it accommodates metal blades as well as a host of optional gearbox attachments to convert into a hedge trimmer, pole pruner, broom or power scythe.

STANDARD FEATURES

- Powered by a low-emission engine, the FS 90 R and FS 90 have reduced vibration and are fuel-efficient, powerful and lightweight
- Solid drive shaft will accommodate metal blades with approved deflectors and handle configurations
- TapAction™, AUTOCUT® 25-2 head is standard
- Available with bike or loop handle
- Can use various cutting heads/blades


OPTIONAL ACCESSORIES

- FixCut™ 25-2 head (4002 710 2158)
- STIHL PolyCut™ 20-3 (4002 710 2189)
- Interchangeable gearbox attachments available

2 YEAR New! 2-year commercial use limited warranty



Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	FEL
 STIHL	FS 90 R	28.4 cc	0.95 kW	11.7 lbs.	37 g/kWh
ECHO®	SRM 265	25.4 cc	Not Published	12.0 lbs.	48 g/kWh
Shindaiwa®	T2510	24.5 cc	0.8 kW	12.0 lbs.	35 g/kWh
Husqvarna®	327 LDx	24.5 cc	0.9 kW	11.2 lbs.	50 g/kWh

All company names are trademarks of their respective companies. All competitive product specifications and performance data as per individual company Web sites and literature. Competitor FEL data as reported on EPA Web site, March 2010.

Warning: Improper use of any power tool may cause serious or fatal injury. Read, understand and follow carefully the operating and safety instructions in your instruction manual before using these products.

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STIHL FS 130 R and FS 130 Trimmers

Professional User

SPECIFICATIONS

Displacement	36.3 cc (2.2 cu. in.)
Engine Power	1.4 kW (1.9 bhp)
Weight*	Loop: 5.6 kg (12.3 lbs.) Bike: 5.9 kg (13.0 lbs.)
Fuel Capacity	530 cc (18.0 oz.)

* Weight without cutting attachment or deflector.

Whether you're in the market for a bike or loop handle trimmer, these professional models deliver the quick, smooth acceleration you need to quickly bring down tall grass and weeds. Powered by low-emission, fuel-efficient STIHL engines, both the FS 130 and FS 130 R combine power and lower vibration to create effective, comfortable cutting and are the lowest emission trimmers in their class.

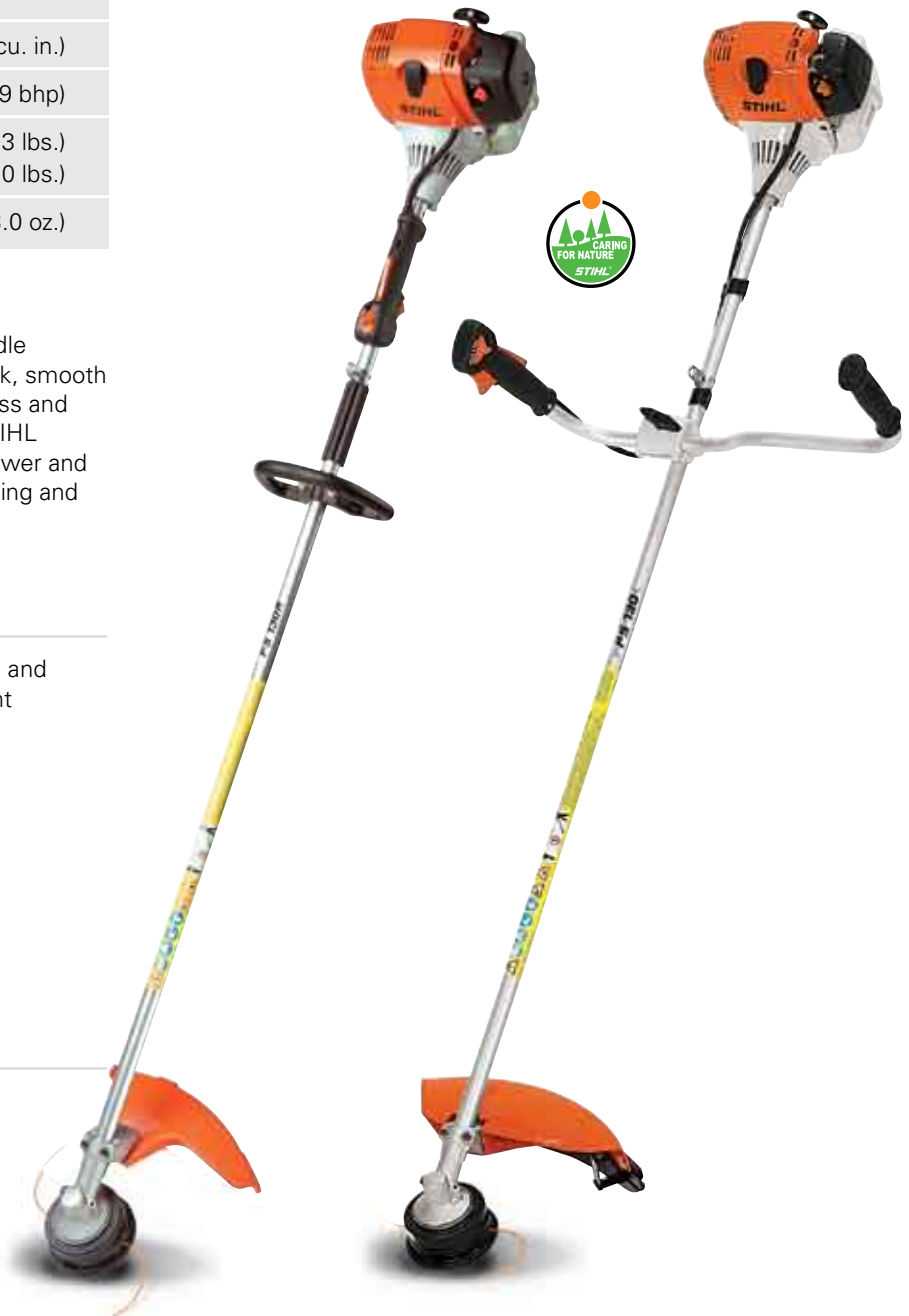
STANDARD FEATURES

- Powered by a low-emission engine, the FS 130 R and FS 130 are fuel-efficient, powerful and lightweight
- TapAction™, 2-line AUTOCUT® head
- Quick, smooth acceleration
- Lower vibration for comfortable operation
- Available with bike or loop handle
- Can use various cutting heads/blades


OPTIONAL ACCESSORIES

- FixCut™ 25-2 head (4002 710 2158)
- STIHL PolyCut™ 20-3 head (4002 710 2189)
- Interchangeable gearbox attachments available

2 YEAR New! 2-year commercial use limited warranty



Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	FEL
 STIHL	FS 130R	36.3 cc	1.4 kW	12.3 lbs.	30 g/kWh
ECHO®	SRM 280	28.1 cc	Not Published	12.1 lbs.	55 g/kWh
Shindaiwa®	T3410	34.0 cc	1.0 kW	13.9 lbs.	33 g/kWh
Husqvarna®	335LS	34.6 cc	1.6 kW	13.0 lbs.	50 g/kWh

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STIHL FS 310 Trimmer

Professional User

SPECIFICATIONS

Displacement	36.3 cc (2.2 cu. in.)
Engine Power	1.4 kW (1.9 bhp)
Weight*	7.2 kg (15.9 lbs.)
Fuel Capacity	710 cc (24.0 oz.)

* Weight without cutting attachment or deflector.

If one word could describe this powerful bike handle trimmer, it would be "rugged." Designed with the professional in mind, the STIHL FS 310 trimmer delivers quick, smooth acceleration, allowing the professional to easily and quickly cut through tall grass and weeds. Powered by a low-emission engine, fuel-efficient engine, this machine features an IntelliCarb™ compensating carburetor and a vertical pleated air filter.

STANDARD FEATURES

- Powered by a low-emission engine, the FS 310 is fuel-efficient, powerful and lightweight
- TapAction™, 2-line AUTO-CUT® head
- Quick, smooth acceleration
- 4-point anti-vibration system for comfortable operation
- Easy-to-adjust handle bar swivels for easy transport and storage
- IntelliCarb™ compensating carburetor
- Can use various cutting heads/blades

OPTIONAL ACCESSORIES


- FixCut™ 25-2 head (4002 710 2158)
- STIHL PolyCut™ 20-3 (4002 710 2189)
- Interchangeable gearbox attachments available

2 YEAR New! 2-year commercial use limited warranty



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Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	FEL
 STIHL	FS 310	36.3 cc	1.4 kW	15.9 lbs.	30 g/kWh
Husqvarna®	335 FR	34.6 cc	1.6 kW	13.7 lbs.	50 g/kWh

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STIHL FC 90 Edger

Professional User

SPECIFICATIONS

Displacement	28.4 cc (1.73 cu. in.)
Engine Power	0.95 kW (1.27 bhp)
Weight	6.2 kg (13.7 lbs.)
Fuel Capacity	530 cc (18.0 oz.)
Blade Size	20.3 cm (8.0 in.)
Arbor Size	25.4 mm (1.0 in.)
Gear Ratio and Blade Speed	1:1.24 8500 rpm

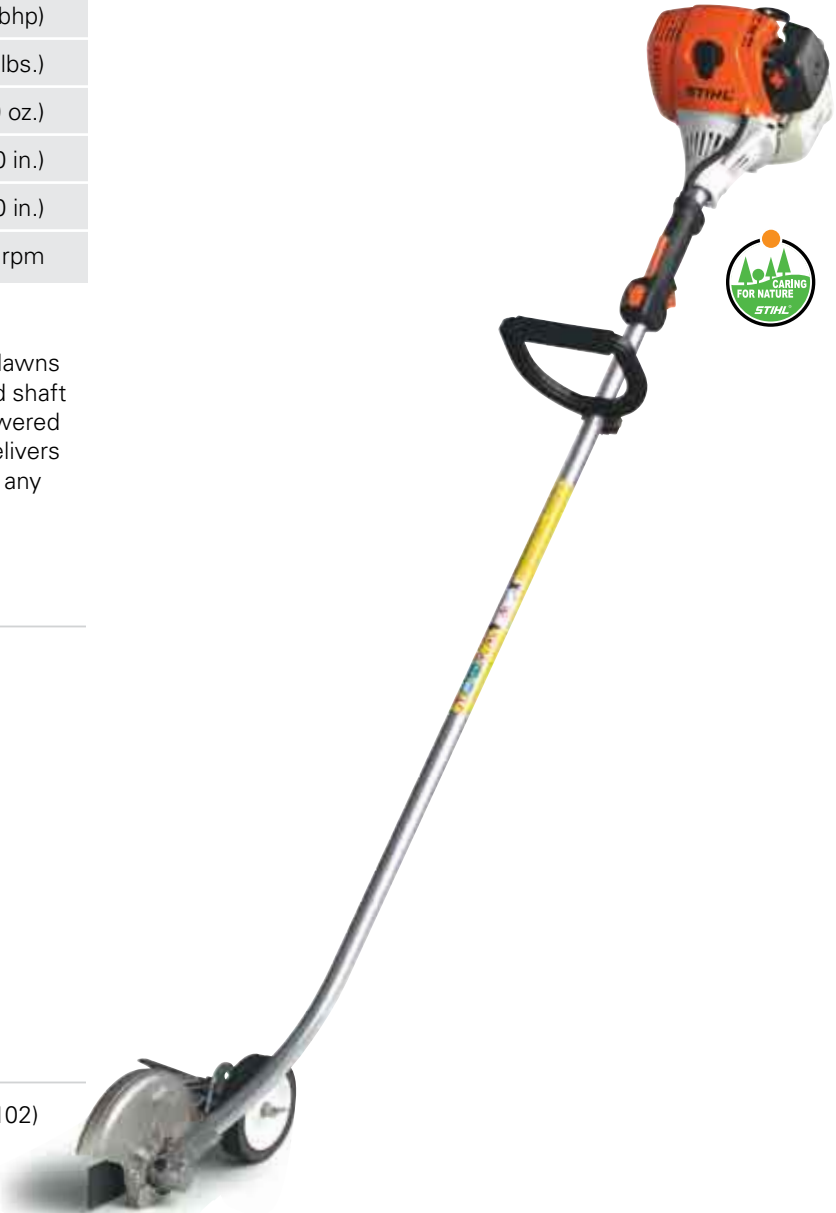
Put the finishing touch on even the most demanding lawns with the professional series STIHL FC 90. This curved shaft edger leaves a clean edge – even on tough grass. Powered by a low-emission, fuel-efficient engine, the FC 90 delivers consistent performance and is the perfect addition to any professional’s lineup.

STANDARD FEATURES

- Powered by a proven low-emission engine
- Start/run/stop controls on handle
- Heavy-duty skid plate
- Mud flap-style debris deflector
- Easy-to-adjust depth wheel
- Adjustable loop handle
- Easy-access blade for replacement

OPTIONAL ACCESSORY


- 3.8 mm thick, heavy-duty edger guide (4133 713 4102)



2 YEAR New! 2-year commercial use limited warranty



Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	FEL
 STIHL	FC 90	28.4 cc	0.95 kW	13.7 lbs.	37 g/kWh
ECHO®	PE 265	25.4 cc	Not Published	15.1 lbs.	48 g/kWh
Shindaiwa®	LE 2510	24.5 cc	0.8 kW	13.4 lbs.	35 g/kWh

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HSA 65 STIHL Lithium-Ion Hedge Trimmer

Professional User

SPECIFICATIONS

Run Time	35-45 minutes w/ AP 80 (65-80 minutes w/ AP 160 – available spring 2011)
Weight w/ Battery	4.6 kg (10.14 lbs.) w/ AP 80
Blade Length	500 mm (20.0")
Strokes/Minute	3,000

STANDARD FEATURES

- Advanced 36-volt STIHL Lithium-Ion battery technology offers users an environmentally responsible option for hedge trimming projects and eliminates the cost of fuel.
- Onboard hanging slot allows for easy storage and display.
- Tip protector helps prevent dull and damaged blade tips.
- Designed with the commercial user in mind, featuring a magnesium gearbox, industrial grade motor, and full ball and needle bearing support.

BATTERIES

- AP 80 Battery
- AP 160 Battery (available spring 2011)
- Old batteries can be dropped off for recycling at participating STIHL Dealers.

CHARGERS

- AL 100 Standard Charger
- AL 300 Rapid Charger



2 YEAR New! 2-year commercial use limited warranty

Competitor Comparison Chart ▼

Product	STIHL HSA 65	Worx WG251.5	Black & Decker NHT524
Battery Technology	Lithium-Ion	Lithium-Ion	Nickel-Cadmium
Rated Voltage	36 V	18 V	24 V
Battery Capacity (Ah/Wh)	2.2Ah (->80Wh)	1.3Ah (-> 23Wh)	1.5 Ah (-> 36Wh)
Stroke Rate	3,000/min	2,200/min	2,500/min
Cutting Length	20"	20"	24"
Weight (w/out battery)	7.7 lbs.	5.1 lbs.	4.6 lbs.
Weight (w/ battery)	10.14 lbs.	6.3 lbs.	7.9 lbs.
Motor	Industrial Grade	Consumer Grade	Consumer Grade
Gearbox	Magnesium	Plastic	Plastic
Bearings	Ball and Needle	Bushing	Bushing

STIHL HL 90 K (0°) Extended Reach Hedge Trimmer

Professional User

SPECIFICATIONS

Displacement	28.4 cc (1.73 cu. in.)
Engine Power	0.95 kW (1.27 bhp)
Blade Length	500 mm (20 in.)
Shaft Length	650 mm (26 in.)
Weight	5.7 kg (13.01 lbs.)
Fuel Capacity	530 cc (18.0 oz.)
Cutting Attachment	20" 0° head

Powered by a proven low-emission STIHL engine, the HL 90 K (0°) hedge trimmer offers a mid-length option for the professional landscaper. With a fixed, double-sided reciprocating blade, this trimmer can cut through even the toughest shrubs and hedges. In addition, the extended reach capability, combined with the anti-vibration control handle, provides the user with extreme versatility and comfort – performance you demand.

STANDARD FEATURES

- Powered by a proven fuel-efficient, low-emission engine
- Fixed 0° cutting head
- Double-sided reciprocating blade
- Anti-vibration control handle
- Heavy-duty gearbox
- Blade guard

OPTIONAL ACCESSORY


- HS Resin Remover and Blade Cleaner (0782 420 1002)



New! 2-year commercial use limited warranty



Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	FEL
 STIHL	HL 90 K	28.4 cc	0.95 kW	13.0 lbs.	37 g/kWh
ECHO®	SHC 225S	21.2 cc	Not Published	12.6 lbs.	44 g/kWh
Shindaiwa®	AHS 2510	24.5 cc	0.8 kW	14.0 lbs.	35 g/kWh

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STIHL HT 101 Telescoping Pole Pruner

Professional User

SPECIFICATIONS

Displacement	31.4 cc (1.9 cu. in.)
Engine Power	1.05 kW (1.4 bhp)
Weight (with cutting attachment)	7.4 kg (16.3 lbs.)
Fuel Capacity	530 cc (18.0 oz.)
Chain Oil Capacity	220 cc (7.4 oz.)
OILOMATIC® Chain	3/8" PMMC3 12" Bar and Chain
Shaft Length	7'6" to 11'6"

The STIHL HT 101 telescoping pole pruner is perfect for dealing with hard-to-reach branches from the ground. Featuring a STIHL OILOMATIC® chain, a side-access chain tensioner, and a sprocket cutout for easy chip removal, the HT 101 delivers precision cuts, even over a great distance. Powered by a low-emission engine, its shaft adjusts from 7 ft. 6 in. to 11 ft. 6 in., allowing professionals a wide pruning range and extending their reach to branches up to 16 feet above the ground.

STANDARD FEATURES

- Powered by a proven low-emission engine
- Telescoping-shaft pole pruner
- Automatic bar and chain oiler
- Side-access chain tensioner
- 12" PMMC3 STIHL bar and chain


OPTIONAL ACCESSORY

- HT carrier support system (4182 790 4400)
- Basket style carry harness (4138 710 9001)
- 30° angled gear box (4138 640 0201)

2 YEAR New! 2-year commercial use limited warranty



Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	Reach	FEL
 STIHL	HT 101	31.4 cc	1.05 kW	16.3 lbs.	7.5'-11.5'	28 g/kWh
ECHO®	PPT 265	25.4 cc	Not Published	17.4 lbs.	8.9'-12.2'	48 g/kWh

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STIHL HT 131 Telescoping Pole Pruner

Professional User

SPECIFICATIONS

Displacement	36.3 cc (2.2 cu. in.)
Engine Power	1.4 kW (1.9 bhp)
Weight (with cutting attachment)	7.8 kg (17.2 lbs.)
Fuel Capacity	530 cc (18.0 oz.)
Chain Oil Capacity	220 cc (7.4 oz.)
OILOMATIC® Chain	3/8" PMMC3 12" Bar and Chain
Shaft Length	7'6" to 11'6"

Powered by a larger displacement STIHL low-emission engine, the STIHL HT 131 Telescoping Pole Pruner is designed for the professional user who needs to easily reach limbs of up to 16 feet off the ground. The shaft adjusts from 7'6" to 11'6" for flexibility in a wide number of pruning applications. The cutting attachment has an automatic bar and chain oiler, side bar tensioner, and a sprocket cover cut-out for faster chip removal. And with a powerful, low-emission engine, this versatile model is designed so you can get more done – faster.

STANDARD FEATURES

- Powered by a proven low-emission engine
- Automatic bar and chain oiler
- Side-access chain tensioner
- 12" PMMC3 bar and chain
- Gear-driven oil pump
- Toolless oil cap


OPTIONAL ACCESSORY

- HT carrier support system (4182 790 4400)

2 YEAR New! 2-year commercial use limited warranty



Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	Reach	FEL
 STIHL	HT 131	36.3 cc	1.4 kW	17.2 lbs.	7.5'-11.5'	30 g/kWh
ECHO®	PPT 280	28.1 cc	Not Published	19.2 lbs.	9.4'-13.1'	55 g/kWh

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STIHL KM 90 R KombiSystem

Professional User

SPECIFICATIONS

Displacement	28.4 cc (1.73 cu. in.)
Engine Power	0.95 kW (1.27 bhp)
Fuel Capacity	530 cc (18.0 oz.)
Weight *	4.5 kg (9.9 lbs.)

*Weights shown are for powerheads only.

The STIHL KombiSystem is a family of versatile multi-task tools. Purchase the KM 90 R KombiMotor, and then customize your Kombi with a variety of attachments to suit your landscaping and maintenance needs. The STIHL KombiSystem attachments provide great flexibility for grass and hedge trimming, edging, cleaning, cultivating and more...and saves on equipment costs and storage space!




Interchangeable KombiSystem Attachments:

- A** FSB Curved Shaft Trimmer
- B** FS Line Head Trimmer
- C** FS Brushcutter w/ 4-Tooth Grass Blade
- D** FH 135° Adjustable Power Scythe
- E** FCB Curved Lawn Edger
- F** FCS Straight Lawn Edger
- G** BF Mini-Cultivator
- H** BG Blower
- I** KW STIHL PowerSweep™
- J** KB Bristle Brush
- K** HL 0° Straight Hedge Trimmer
- L** HL 135° Adjustable Hedge Trimmer
- M** HT Pole Pruner

2 YEAR New! 2-year commercial use limited warranty

Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	FEL
 STIHL	KM 90 R	28.4 cc	0.95 kW	9.9 lbs.	37 g/kWh
ECHO®	PAS 265	25.4 cc	Not Published	10.8 lbs.	48 g/kWh
Shindaiwa®	M 2510	24.5 cc	0.8 kW	9.9 lbs.	35 g/kWh

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STIHL KM 130 R KombiSystem

Professional User

SPECIFICATIONS

Displacement	36.3 cc (2.2 cu. in.)
Engine Power	1.4 kW (1.9 bhp)
Fuel Capacity	530 cc (18.0 oz.)
Weight*	4.6 kg (10.1 lbs.)

*Weights shown are for powerheads only.

The STIHL KombiSystem is a family of versatile multi-task tools. Purchase the KM 130 R KombiMotor, the lowest emission in its class, and then customize your Kombi with a variety of attachments to suit your landscaping and maintenance needs. The STIHL KombiSystem attachments provide great flexibility for grass and hedge trimming, edging, cleaning, cultivating and more...and saves on equipment costs and storage space!




Interchangeable KombiSystem Attachments:

- A** FSB Curved Shaft Trimmer
- B** FS Line Head Trimmer
- C** FS Brushcutter w/ 4-Tooth Grass Blade
- D** FH 135° Adjustable Power Scythe
- E** FCB Curved Lawn Edger
- F** FCS Straight Lawn Edger
- G** BF Mini-Cultivator
- H** BG Blower
- I** KW STIHL PowerSweep™
- J** KB Bristle Brush
- K** HL 0° Straight Hedge Trimmer
- L** HL 135° Adjustable Hedge Trimmer
- M** HT Pole Pruner

2 YEAR New! 2-year commercial use limited warranty

Competitor Comparison Chart ▼

Manufacturer	Model	Displacement	Power	Weight	FEL
 STIHL	KM 130 R	36.3 cc	1.4 kW	10.1 lbs.	30 g/kWh
ECHO®	PAS 265	25.4 cc	Not Published	10.8 lbs.	48 g/kWh
Shindaiwa®	M 2510	24.5 cc	0.8 kW	9.9 lbs.	35 g/kWh

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STIHL BR 500 Backpack Blower

Professional User

SPECIFICATIONS

Displacement	64.8 cc (3.95 cu. in.)
Engine Power	2.2 kW (3.0 bhp)
Weight*	10.1 kg (22.3 lbs.)
Fuel Capacity	1400 cc (47.3 oz.)
Air Volume	With tube: 810 m ³ /h (477 cfm) Without tube: 1380 m ³ /h (812 cfm)
Air Velocity	81 m/sec. (181 mph)
Sound Pressure Rating	65 dB(A) Measured per ANSI B175.2

* With tube

STANDARD FEATURES

- Quiet 65 dB(A) as measured per ANSI B175.2
- Powerful and fuel-efficient, low-emission engine
- Two-position adjustable blower tube with increased wear area
- High quality, durable harness with dual adjustments
- Simplified starting procedure
- Low starting force
- Single-handed operation
- Reduced vibration levels
- Comfortable weight

OPTIONAL ACCESSORIES

- Hip belt (4282 710 9100)
- Curved nozzle (4282 708 6320)



2 YEAR New! 2-year commercial use limited warranty

Backpack Blower Comparisons ▼

Manufacturer	Model	FEL	Displacement	Power	Weight	Fuel Capacity	Sound Pressure Rating	Air Volume	Air Velocity
 STIHL	BR 500	13 g/kWh	64.8 cc (3.95 cu. in.)	2.2 kW (3.0 bhp)	10.1 kg (22.3 lbs.)	1400 cc (47.3 oz.)	65 dB(A)	810 m³/h (477 cfm)	81 m/s (181 mph)
ECHO®	PB-460LN	50 g/kWh	44.0 cc (2.69 cu. in.)	Not Published	12.0 kg (26.4 lbs.)	1893 cc (64.0 oz.)	65 dB(A)	645 m ³ /h (380 cfm)	83 m/s (175 mph)
Red Max®	EBZ5100-Q	72 g/kWh	50.2 cc (3.06 cu. in.)	1.57 kW (2.1 bhp)	9.4 kg (20.7 lbs.)	2096 cc (70.9 oz.)	68 dB(A)	768 m ³ /h (452 cfm)	71 m/s (159 mph)
Husqvarna®	356	70 g/kWh	51.7 cc (3.15 cu. in.)	2.4 kW (3.2 bhp)	10.2 kg (22.5 lbs.)	1500 cc (50.7 oz.)	64 dB(A)	804 m ³ /h (473 cfm)	79 m/s (177 mph)

All company names are trademarks of their respective companies. All competitive product specifications and performance data as per individual company Web sites and literature. Competitor FEL data as reported on EPA Web site, March 2010.

Warning: Improper use of any power tool may cause serious or fatal injury. Read, understand and follow carefully the operating and safety instructions in your instruction manual before using these products.

BR 600 STIHL Magnum™ Backpack Blower

Professional User

SPECIFICATIONS

Displacement	64.8 cc (3.95 cu. in.)
Engine Power	3.0 kW (4.0 bhp)
Weight*	9.8 kg (21.6 lbs.)
Fuel Capacity	1400 cc (47.3 oz.)
Air Volume	With tube: 1210 m³/h (712 cfm) Without tube: 1720 m³/h (1012 cfm)
Air Velocity	90 m/sec. (201 mph)
Sound Pressure Rating	75 dB(A) Measured per ANSI B175.2

* With tube

Our most powerful backpack blower has been upgraded for enhanced engine performance, increased durability and improved operational life. By achieving the ultimate power-to-weight ratio, the STIHL Magnum™ delivers the perfect combination of power and comfort. Enjoy increased fuel efficiency, reduced emissions and a backpack blower packed full of features.

STANDARD FEATURES

- Powerful and fuel-efficient, low-emission engine
- Three-position adjustable blower tube with increased wear area
- High quality, durable harness with dual adjustments
- Simplified starting procedure
- Comfortable weight
- Single-handed operation
- Reduced vibration levels
- Low starting force

OPTIONAL ACCESSORIES

- Hip belt (4282 710 9100)
- Curved nozzle (4282 708 6330)
- Chest strap (0000 790 7700)



2 YEAR New! 2-year commercial use limited warranty

Backpack Blower Comparisons ▼

Manufacturer	Model	FEL	Displacement	Power	Weight	Fuel Capacity	Sound Pressure Rating	Air Volume	Air Velocity
 STIHL	BR 600	14 g/kWh	64.8 cc (3.95 cu. in.)	3.0 kW (4.0 bhp)	9.8 kg (21.6 lbs.)	1400 cc (47.3 oz.)	75 dB(A)	1210 m³/h (712 cfm)	90 m/s (201 mph)
ECHO®	PB-755T	63 g/kWh	63.3 cc (3.86 cu. in.)	Not Published	11.9 kg (26.2 lbs.)	2011 cc (68.0 oz.)	74 dB(A)	1062 m³/h (625 cfm)	92 m/s (205 mph)
Shindaiwa®	EB633RT	63 g/kWh	63.3 cc (3.86 cu. in.)	Not Published	11.9 kg (26.2 lbs.)	2011 cc (68.0 oz.)	74 dB(A)	1062 m³/h (625 cfm)	92 m/s (205 mph)
Red Max®	EBZ8001-RH	72 g/kWh	71.9 cc (4.39 cu. in.)	3.28 kW (4.4 bhp)	11.5 kg (25.4 lbs.)	2298 cc (77.7 oz.)	77 dB(A)	1164 m³/h (685 cfm)	90 m/s (201 mph)
Husqvarna®	180BT	72 g/kWh	71.9 cc (4.39 cu. in.)	3.3 kW (4.4 bhp)	13.2 kg (29.1 lbs.)	2129 cc (72.0 oz.)	77 dB(A)	1164 m³/h (685 cfm)	90 m/s (201 mph)

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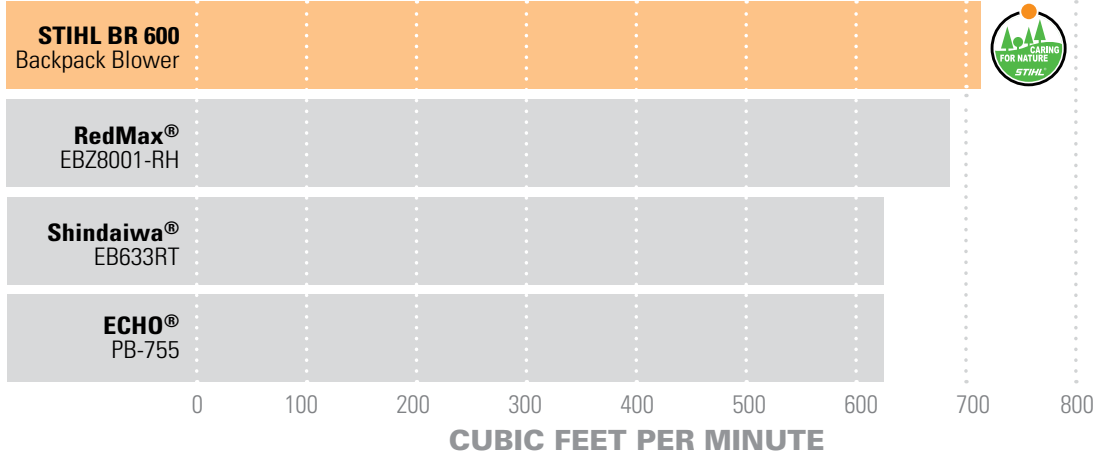
Warning: Improper use of any power tool may cause serious or fatal injury. Read, understand and follow carefully the operating and safety instructions in your instruction manual before using these products.

BR 600 STIHL Magnum™ Backpack Blower

Professional User

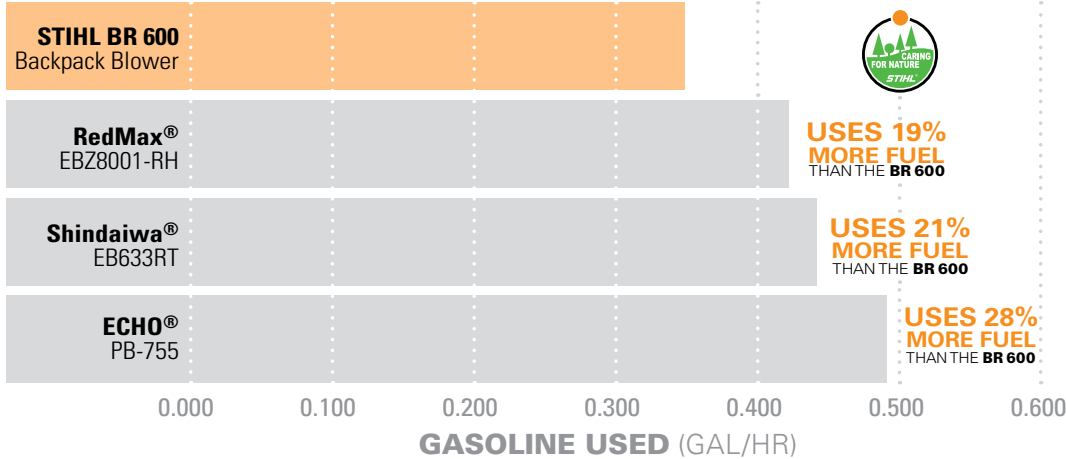
Backpack Blower Comparisons ▾

Air Volume Power



Air volumes measured with tubes. Specifications from manufacturers' Web sites and catalogs. Air velocity for all machines is between 199 and 204 mph.

Competitive Fuel Consumption Comparison*



Fuel Consumption Source: Porsche Engineering Group GmbH For details visit www.STIHLusa.com/BR600/index.html.

* Fuel consumption data provided by a third party independent laboratory during August 2008; Porsche Engineering Group GmbH. 1240 hours of run time (equal to two years). All company names are trademarks of their respective companies.

How Much More Will Competition Cost You?***

	PRICE OF FUEL		
	\$2/GAL	\$3/GAL	\$4/GAL
Red Max® EB 7Z8001-RH	\$201	\$302	\$403
Shindaiwa® EB633RT	\$222	\$333	\$444
ECHO® PB-755	\$326	\$489	\$652

*** Calculations based on 1,240 hours of run time.

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Warning: Improper use of any power tool may cause serious or fatal injury. Read, understand and follow carefully the operating and safety instructions in your instruction manual before using these products.

Innovative and Environmentally Responsible

STIHL electric chain saws, trimmers, blowers and hedge trimmers offer you the same attention to quality and safety that we build into every piece of equipment we manufacture while minimizing environmental impact. STIHL electric tools deliver all of the power you need – without the need for fuel.

Warning: Improper use of any power tool may cause serious or fatal injury. Read, understand and follow carefully the operating and safety instructions in your instruction manual before using these products.

ELECTRIC CHAIN SAWS



MSE 140 C-BQ



- Lightweight electric chain saw with power to spare
- Features toolless Quick Chain Adjuster for fast and easy chain adjustment

MSE 180 C-BQ

- Powerful electric with an excellent power-to-weight ratio
- Features coast-down brake designed to stop the chain within a second

MSE 220

- Heavy-duty electric chain saw for professional users
- Features sturdy design and side-access chain tensioner

ELECTRIC HEDGE TRIMMERS



HSE 60



- Dependable, lightweight, fast electric hedge trimmer with 18" blade
- Features heavy-duty gearbox and well-balanced design
- Includes large front handle for multi-position cutting and double-sided reciprocating blade
- Quiet electric motor for noise-sensitive areas

HSE 70

- Same features as the HSE 60, but with a 24" blade

ELECTRIC HANDHELD BLOWERS



BGE 61



- Powerful, quiet, easy-to-use handheld electric blower
- Great for cleaning and debris removal

BGE 71

- Powerful, quiet, easy-to-use handheld electric blower
- 2-speed electric motor lets you choose the right amount of power for the job

ELECTRIC TRIMMER



FSE 60



- Quiet and powerful electric trimmer
- Features simple line advancement and replacement
- Includes STIHL special cord keeper and built-in hanger

CUTTING HEADS & BLADES



STIHL makes a wide variety of cutting heads and blades to suit even the most challenging commercial landscaping situation. From light-duty trim work to heavy-duty mowing and forest clearing, your crew will appreciate our selection of quality STIHL parts.









STIHLusa.com

TRIMMER LINE



STIHL makes its own trimmer line by using a custom blend of polymers to produce a line with the best all-around characteristics of abrasion resistance, flexibility over time and temperature ranges, and welding resistance.

Line Type

-  **Premium Round Line**
-  **Quiet Line™**
-  **Commercial Round Line**
-  **Commercial Square Line**
-  **Pentagon Line**
-  **X-Line**

DEFLECTOR ASSEMBLIES



Reduce the risk of injury from thrown objects and blade contact. Make sure your trimmer, brushcutter or clearing saw has the correct deflector for the cutting attachment you are using. Check your instruction manual or see your STIHL Dealer for more information.



SHOULDER HARNESES

These harnesses distribute the load from your hands to your shoulders. Helps reduce operator fatigue and makes it easier to use brushcutters and clearing saws for extended periods. **A double shoulder harness is required by ANSI when using a circular saw blade on a brushcutter.**



STIHL Protective Apparel

PROTECTIVE GLASSES

Premium protective glasses are made from optical grade polycarbonate for greater impact resistance. Offer 99% UV protection. Sleek lightweight temple provides individual fit and comfort. Nylon nose piece offers greater comfort and snug, non-slip fit. Meet ANSI standard Z87.1.



Black Widow Glasses



Pacifix Glasses



Camo Glasses



Comfort Fit Glasses



GSX Glasses



Linx Glasses



Sleek Line Glasses



STIHL®
TIMBERSPORTS®
Glasses



STIHL® FORESTRY HELMET SYSTEM



Tough ABS hard hat meets ANSI Z89.1-2003 Type 1 Class G & C. All parts are replaceable.

- A Rain Gutter**
- B 6-point Ratchet Style Suspension System** with Cool Guard sweatband
- C Comfortable, Adjustable Hearing Protectors** meet ANSI S3.1974 Noise Reduction Rating (NRR) of 24 dB(A)
- D Epoxy-Coated Full Face Screen**

BRUSH SHIELD PROTECTOR



Developed for users of clearing saws, trimmers and brushcutters. Epoxy-coated steel full face screen. Comfortable, adjustable hearing protectors with a Noise Reduction Rating (NRR) of 25 dB(A). NOTE: Goggles or protective glasses meeting ANSI Standard Z87.1 must be worn under face screen and shield for primary eye protection.

STIHL® CONSTRUCTION HARD HAT SYSTEM



Tough ABS hard hat meets ANSI S89.1-1997 Type 1 Class G & C. All parts are replaceable.

- A Rain Gutter**
- B 6-point Ratchet Style Suspension System** with Cool Guard sweatband and non-conducting components
- C Comfortable, Adjustable Hearing Protectors** meet ANSI S3.1974 Noise Reduction Rating (NRR) of 23 dB(A)
- D Clear PETG (Polyethylene) Full Face Shield** meets ANSI Z87.1-1989

Also available as a hard hat only.

STIHL® HEARING PROTECTORS



Padded stainless steel spring wire headband maintains constant pressure. Easy to adjust. Various Noise Reduction Ratings (NRR) available: 23, 25, and 29. Meet ANSI S3.1974 standard. Colors available: Camouflage, Orange and Grey.

STIHL Protective Apparel

LAWNGRIPS®



Unique sole design for superior traction. Steel toe and shank with cushioned midsole. Three shoe styles: Classic, Pro, Pro 8.

Men's sizes available: 7-12*, 14
Women's sizes available: 6-11*, 12

*In half-size increments.

PROTECTIVE SHIRTS



High-visibility orange polyester with Engtex® cut-retardant material sewn into the sleeves and shoulders. Mesh body and vented back let air circulate. Sizes available: S (36-38), M (40-42), L (44-46), XL (48-50), XXL (52-54), XXXL (56-58).

DENIM PROTECTIVE PANTS



Pads have multiple layers of sewn-in Engtex® cut-retardant material. Poly/cotton blend with elasticized waist and belt loops. 2 side pockets plus a deep front cargo pocket. Available with 7 or 9 layers in sizes: S, M, L, XL.

DENIM PROTECTIVE LEGGINGS



These leggings slip right over your pants and fasten to your belt. Hook and loop belt fasteners and zippered leg openings offer extra comfort. Available with 7 or 9 layers of protective Engtex® cut-retardant material in sizes: S (30" inseam), M, L, XL (31" inseam)

CHAIN SAW PROTECTIVE GLOVES



CHAIN SAW PROTECTIVE APRON CHAPS



Rugged, yet comfortable apron-style chaps. Waist size expands from 30" to 42". Deep cargo pocket on front. Available with 7 or 9 layers of Engtex® cut-retardant material in three lengths: 32", 36", 40".

Our most popular style!

CHAIN SAW PROTECTIVE WRAP-AROUND CHAPS



Same as our apron-style chaps with additional lower leg full wraparound cut-retardant protection. Waist size expands from 30" to 42". Available with 7 or 9 layers in 36" length. Available with 7 layers in 40" length.

STIHL HP ULTRA 2-CYCLE ENGINE OIL



- Fully synthetic engine oil for maximum lubrication and protection
- Reduces carbon deposits
- Contains fuel stabilizers
- Highly biodegradable

BIOPLUS™ BAR & CHAIN OIL



- Made with an environmentally conscious vegetable oil base
- Ultra high performance with excellent flow and a high flash point
- Rated by the Coordinating European Council to be 93.8% biodegradable in only 21 days.

STIHL recommends a mix ratio of 50:1 high quality (89 octane minimum) unleaded gasoline to STIHL engine oil.

STIHLusa.com

Piston skirt comparisons after running 500+ continuous hours

STIHL HP Ultra Oil



This piston looks like new even after 500 hours of runtime with STIHL HP Ultra oil.

Competitor A Oil



Competitor A oil has caused major particle and sludge buildup on the piston which could result in engine damage.

Competitor B Oil



The heavy sludge buildup on piston skirt and rings from the Competitor B oil could cause costly engine damage or failure.

Crankcase comparisons after running 500+ continuous hours

STIHL HP Ultra Oil



STIHL HP Ultra oil produced a very clean crankcase with no harmful particles or sludge after 500 hours of runtime.

Competitor A Oil



This crankcase with Competitor A oil has excessive damaging particles and sludge.

Competitor B Oil



Extreme buildup of damaging particles and sludge cover the inside of this crankcase with Competitor B oil.

Exhaust valve comparisons after running 500+ continuous hours

STIHL HP Ultra Oil



After running 500 hours, this valve is very clean with no carbon or sludge buildup from using STIHL HP Ultra oil.

Competitor A Oil



Excessive carbon buildup on this valve from Competitor A oil prevents heat dissipation.

Competitor B Oil



Excessive buildup on this valve from Competitor B oil can cause loss of power and performance.

STIHL 2-Year Warranty

**A COMMERCIAL
WARRANTY
WITH SOME REAL
FORCE**

**2-year limited warranty coverage
now available on all STIHL lawn care
products and other selected power tools.**

STIHL ups the standard – again. It's not enough to be the number one selling brand of chain saws and cut-off machines worldwide. STIHL continues to raise the bar with a 2-year limited warranty coverage on STIHL lawn care products and other selected power tools for homeowners and commercial users alike, extending the coverage period for defects in materials and workmanship. Add on the benefits of the industry leading extended warranty coverage STIHL customers presently enjoy like lifetime drive shaft coverage, lifetime clutch warranty and more, and you have another reason to trust legendary STIHL equipment and service.

Warranty expires two years from the date of product purchase. Excludes products used for rental use.

