WHY BUY ECHO?

For nearly 50 years, ECHO has been setting the standard for the outdoor power equipment industry.

Our mission at ECHO is to deliver innovative and reliable products that bring power and authority to green space professionals. We continually push the boundaries so that you can be provided with unmatched experiences and products that satisfy all of your outdoor maintenance needs.

As we continue to be a recognized leader in the outdoor power equipment industry, we’re excited to share with you our latest technologies, advancements and products.

PRODUCT ICONS

See below for enhanced explanations of select product feature icons throughout the catalog.

- **i-30**
  - Reduces starting effort by 30%
  - 30% Starting System

- **i-75**
  - Reduces starting effort by 75%
  - 75% Starting System

- **Posi-loc**
  - Provides secure pipe connection
  - Posi-loc Tubing

- **RazorEdge**
  - Laser cut and precision-ground cutting blades
  - RazorEdge Blades

- **Speed-Feed®**
  - Reloads in seconds without dis-assembly

- **2-line Rapid Loader®**
  - Makes line change simple and fast

CONTENTS

- ECHO History ............................................. 4
- ECHO X Series .......................................... 5
- Trimmers .................................................. 6
- Brushcutters ............................................. 10
- Blowers .................................................... 12
- Shred ‘N’ Vac® ........................................... 13
- Arborist Chain Saws ................................. 16
- Rear Handle Chain Saws ......................... 18
- Power Pruners® ......................................... 22
- Cut-Off Saw ............................................. 23
- Edgers ...................................................... 24
- Bed Redefiner ........................................... 25
- Hedge Trimmers ....................................... 26
- Pro Attachment Series™ ......................... 29
- Sprayers .................................................. 32
- Generators .............................................. 34
- Pressure Washers ..................................... 36
- 58V Cordless ........................................... 38
- Engine Drill ............................................. 40
- Earth/Ice Auger ........................................ 40
- Tiller/Cultivator ....................................... 40
- Spreaders ............................................... 41
- Hand Tools .............................................. 42
- Red Armor® ............................................. 44
- Oil and Lubricant ...................................... 46
- Accessories ............................................ 47
- YouCan™ Maintenance Kits ..................... 58
- Features, Benefits and Specifications .......... 60
History and Innovation

ECHO was founded in 1972 in Northbrook, IL as Kioritz Corporation of America and was initially an importer of high-performance 2-cycle engines and handheld products from Japan. In 1978, we were officially established under ECHO Incorporated. Soon after, the focus shifted towards engineering and manufacturing in the U.S. with initial production and assembly operations in Wheeling, IL. In 1985, we established our present-day Americas’ corporate headquarters and manufacturing facility in Lake Zurich, IL.

The outdoor power equipment industry is rapidly evolving. At ECHO, we always aim to develop new technologies or products that enable people to do their best work.

We’ve historically pushed ourselves to be at the forefront, to be proactive, and to bring new ideas to market. Like when we created the world’s first mini pro saw, the world’s first backpack blower, the world’s first handheld blower, and also the world’s first low noise backpack blower. Most recently, we disrupted the industry yet again with the launch of the PB-8010, the world’s most powerful backpack blower.

Our approach to innovation is centered around power and productivity, delivering excellence to our customers through time and cost savings.

As we move into another year, we remain committed to innovation to design and produce the best products for you.

What does it mean to be an X Series Product?

The ECHO X Series represents ECHO’s best-in-class products. Our goal is to give professional users strength and performance to get every job done quickly and efficiently.

We continually strive to further expand our X Series with exclusive features and innovations, all designed to give you greater productivity.
TRIMMERS

All ECHO trimmers feature user-friendly, adjustable controls, and modern, lightweight design. Our curved shaft models are ideal for simpler trimming projects while our straight shaft products are great for when you need extended reach.

CURVED SHAFT TRIMMERS

Lightweight and easily maneuverable around posts, mail boxes and other obstacles.

GT-225
Lightweight model for quick tasks around the house.
- Ergonomic adjustable handle for a custom fit

GT-225i
Ideal for use around the house and features our i-75™ starting system.
- i-75™ reduces starting effort by 75%

GT-225SF
Easy-to-use with our Speed-Feed® 400 head, and i-30™ starting system.
- Speed-Feed head reloads in seconds without disassembly

GT-225L
The longest of our curved shaft trimmers (55 in.), this model gives homeowners extended reach.
- Rubber over-molded throttle handle provides an ergonomic grip

SUGGESTED TRIMMER APPLICATION

<table>
<thead>
<tr>
<th>GT-225</th>
<th>GT-225SF</th>
<th>SRM-225</th>
<th>SRM-2320T</th>
<th>SRM-2620</th>
<th>SRM-2620T</th>
<th>SRM-3020</th>
<th>SRM-3020T</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-225i</td>
<td>GT-225L</td>
<td>SRM-225i</td>
<td>SRM-266</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See page 60 for additional features and specifications.
STRAIGHT SHAFT TRIMMERS

Longer reach with an integrated gear case for increased cutting power.

**SRM-225**
This straight shaft model is a great entry-level model.
- Ergonomic, cushioned front and rear handles for user comfort
- Tool-less, easy-access air filter

- 21.2 CC (2-STROKE ENGINE)
- 17” Cutting Swath
- i-30™ Starting System

**SRM-225i**
The same features as our SRM-225 plus our i-75™ starting system.
- Ergonomic, cushioned front and rear handles for user comfort
- Tool-less, easy-access air filter
- i-75™ reduces starting effort by 75%

- 21.2 CC (2-STROKE ENGINE)
- 17” Cutting Swath
- i-75™ Starting System

**SRM-2620**
The go-to trimmer for skilled pros, and medium to heavy trimming.
- 1.35 hp for fast, efficient cutting
- Large front handle for comfort when edging

- 25.4 CC (2-STROKE ENGINE)
- 20” Cutting Swath
- 2:1 Gear Reduction
- 2-Stage Filtration
- Speed-Feed®

**SRM-2620T**
High torque version of SRM-2620 for greater productivity.
- 2:1 gear reduction creates 28% more torque than SRM-2620 delivering greater productivity
- Large front handle for comfort when edging

- 25.4 CC (2-STROKE ENGINE)
- 20” Cutting Swath
- 2:1 Gear Case
- Speed-Feed®

**SRM-2320T**
Ideal entry-level trimmer for pros and designed for medium trimming.
- 2:1 gear reduction provides 42% more torque than the competition delivering greater productivity
- Large front handle for comfort when edging

- 21.2 CC (2-STROKE ENGINE)
- 17” Cutting Swath
- i-30™ Starting System

**SRM-266**
With a larger engine, this mid-level trimmer is designed for medium trimming.
- Ergonomic, cushioned front and rear handles for increased comfort
- Tool-less, easy-access air filter

- 25.4 CC (2-STROKE ENGINE)
- 20” Cutting Swath
- i-75™ Starting System

**SRM-3020**
Power to tackle any landscaping job.
- 1.8 hp for increased cutting ability
- Large front handle for comfort when edging

- 30.1 CC (2-STROKE ENGINE)
- 20” Cutting Swath
- 2:1 Gear Reduction
- 2-Stage Filtration
- Speed-Feed®

**SRM-3020T**
High torque version of SRM-3020 for greater productivity.
- 2:1 gear reduction creates 28% more torque than SRM-3020 delivering greater productivity
- Large front handle for comfort when edging

- 30.1 CC (2-STROKE ENGINE)
- 20” Cutting Swath
- 2:1 Gear Case
- Speed-Feed®

See page 60 for additional features and specifications.
BRUSHCUTTERS

ECHO’s innovative line of professional-grade brushcutters can tackle all clearing applications, including rough grass, thickets, shrubs, and dense undergrowth.

SUGGESTED BRUSHCUTTER APPLICATION

SRM-225U
Perfect for users that need to clear light saplings or brush.
- Offset U-handle with stop switch and throttle lock-out
- Includes 8-tooth blade

SRM-2620U
Great for pro-level brushcutting and heavy clearing.
- 1.35 hp for fast, efficient cutting
- Handle folds parallel to unit for storage and transport
- Blade sold separately

SRM-3020U
For pros and more powerful, ideal for extreme clearing.
- 1.8 hp for increased cutting ability
- Handle folds parallel to unit for storage and transport
- Blade sold separately

SRM-410U
Our most powerful pro option - blade-ready, will clear bushes and small trees.
- Solid steel drive shaft for smooth acceleration and light weight
- Pleated paper air filter for use in harsh conditions
- Offset U-handle with stop switch and throttle lock-out

See page 61 for additional features and specifications.
BLOWERS

Our best-in-class line of blowers includes both handheld and backpack models. All come equipped with professional features to give you maximum productivity and ultimate power. Standard features include ultra-comfortable handles, padded backrests and straps, Posi-loc™ tubes for secure pipe connections, and advanced ignitions for quick and easy starts. Select blower performance specifications include “blowing force” represented by Newtons (N). A newton is a measure of force that uses a single number to gauge a blower’s effectiveness.

PB-2520
Category-leading performance at an incredible value.
- Double-grid intake design reduces clogging
- Cruise control for more comfort during extended use

PB-255LN
64 dB(A) low-noise performance for use in noise-sensitive environments.
- Rubber, top handle grip improves comfort while parallel handles allow two-handed use to reduce fatigue and improve maneuverability

PB-2620
ECHO’s best-in-class handheld blower delivering 15.8 newtons of blowing force.
- Includes both round and flared tubes for a variety of applications.
- Parallel handle allows two-handed use for reduced fatigue

PB-265LN
64 dB(A) low-noise performance for use in noise-sensitive environments.
- Includes both round and flared tubes for a variety of applications.
- Parallel handle allows two-handed use for reduced fatigue

ES-250
ECHO’s Shred ‘N’ Vac® is ideal for residential lawn maintenance.
- Three tools in one: easily converts from blower to shredder/mulcher and vacuum.
- Shredding blade reduces leaf volume up to a 12:1 ratio
- All conversion components included

SUGGESTED BLOWER APPLICATION

PB-2520
PB-255LN
PB-2620
PB-265LN
PB-755S
PB-8010
PB-770

See page 62 for additional features and specifications.
**Backpack Blowers**

**PB-265LN**
Lightweight design makes it easy to walk around and do regular maintenance.
- 64 dB(A) low-noise performance for noise sensitive environments.
- Hip-mounted throttle with cruise control

**PB-580**
A step up in power, great for homeowners with larger lots or entry-level pros.
- Vented back pad for hot weather and padded backrest / shoulder pads
- Available with hip- (PB-580H) or tube- (PB-580T shown) mounted throttle

**PB-760LN**
The most powerful low-noise blower available.
- Unique vented back pad for increased comfort in hot weather
- Professional features with padded backrest and shoulder straps
- Available with hip- (PB-760LNH) or tube- (PB-760LNT shown) mounted throttle

**PB-755S**
Professional performance at a value-driven price; ideal for commercial use or homeowners with acreage.
- Professional design built for durability and ease of maintenance
- Pleated, automotive-style air filter for superior filtration
- Available with a hip- (PB-755SH) or tube- (PB-755ST shown) mounted throttle

**PB-770**
A go-to for pros, perfect for large properties with heavy debris.
- 33.2 newtons blowing force
- Vented back pad for increased comfort in hot weather
- Padded backrest and shoulder pads
- Available with hip- (PB-770H) or tube- (PB-770T shown) mounted throttle

**PB-8010**
The world's most powerful backpack blower.
- Industry-leading 44 newtons blowing force
- Innovative, light weight, carbon fiber frame and fan case reduces fatigue
- Vented back pad for hot weather and padded backrest / shoulder pads
- Available with hip- (PB-8010H) or tube- (PB-8010T shown) mounted throttle

See page 62 for additional features and specifications.
SUGGESTED CHAIN SAW APPLICATION

CS-2511T
CS-271T
CS-303T
CS-355T
CS-361P

SMALL LIMBING
MEDIUM LIMBING & SECTIONING
LARGE LIMBING & SECTIONING

ARBORIST CHAIN SAWS
Whether you’re climbing a tree or in a bucket, our top-handle chain saws will help you do the job easier and faster. Each saw is light weight, but powerful, and features a compact size and ergonomic handles. Our professional-grade, 2-stroke engines are long-lasting and efficient; an advanced ignition system gives you quick, trouble-free starts every time.

Plus, get peace of mind with our unmatched 1-year commercial warranty, which is standard for any commercial chain saw purchase.

CS-2511T
Class-leading light weight and high horsepower make this model perfect for trimming, shaping and pruning.
• Lightest gas-powered chain saw in North America
• Rear-mounted air filter for easy access
• Large 1 in. fuel and oil caps for easy filling

CS-271T
Great for limbing, pruning, smaller tree trimming and cleanup.
• G-Force Engine Air Pre-Cleaner™ reduces filter maintenance
• Adjustable clutch-driven oiler for reduced oil consumption
• Side-access chain tensioner

CS-303T
A step up in power, this saw has a proven design that works best for large bushes, small to medium limbs, and pruning.
• Purge bulb for easy starting
• Side-access chain tensioner

CS-355T
ECHO’s most powerful top-handle chain saw. Perfect for heavier branches and sectioning down trees.
• Ergonomic handle with adjustable palm rest
• Automatic, clutch-driven oiler for reduced oil consumption

CS-361P
Best light weight alternative to a top-handle chain saw and a great option for carvers.
• Tool-less, easy-access air filter cover
• Side-access chain tensioner

See page 63 for additional features and specifications.
REAR HANDLE CHAIN SAWS

Backed by the pros, our rear handle chain saws can tackle the toughest jobs out there and will give you superior, smooth operation. Get the power and durability you need from the high-performance 2-stroke engine, and the fast start you want with our advanced ignition system. All our rear handle chain saws come standard with the best pro features such as vibration reduction systems, automatic oilers, inertia chain brakes and more.

Plus, get peace of mind with our unmatched 1-year commercial warranty, which is standard for any commercial chain saw purchase.

SUGGESTED CHAIN SAW APPLICATION

CS-310
CS-352
CS-370
CS-400
CS-4510
CS-490
CS-501P
CS-590
CS-620P
CS-620PW
CS-680

TRIMMING AND LIMBING
TREE FELLING
LARGE TREE FELLING

CS-310
Entry-level model that is excellent for yard cleanup, small tree felling, and light pruning.
- Tool-less, easy-access air filter
- Side-access chain tensioner for quick chain adjustments

CS-352
A step up from the CS-310 for more power.
- Tool-less, easy-access air filter
- Side-access chain tensioner for quick chain adjustments

CS-370
This model is great for small cutting projects and where more power is required.
- Tool-less, easy-access air filter
- Automatic, adjustable oiler to match cutting conditions
- Automotive-style air filter provides superior air filtration

CS-400
Additional power makes this ideal for larger limbs, small trees, cutting firewood and storm cleanup.
- Tool-less, easy-access air filter
- Automatic, adjustable oiler to match cutting conditions
- Automotive-style air filter provides superior air filtration

See page 64 for additional features and specifications.
REAR HANDLE CHAIN SAW

CS-4510
An easy-to-use mid-range saw for larger applications.
• Tool-less, easy access air filter
• Automatic, adjustable clutch-driven oiler for reduced oil consumption
• Air injection air cleaner system reduces air filter maintenance

CS-490
Light weight but perfect for heavier jobs such as installing fence posts, storm cleanup and cutting firewood.
• Spring-assist starter reduces pulling effort
• Tool-less, easy access air filter
• Magnesium crankcase provides lightweight durability

CS-501P
Great for everyday use on larger jobs and heavy on-ground use.
• Performance Cutting System™ – upgraded bar and aggressive chain for improved cutting performance
• Decompression valve for easy starting
• Aluminum handle with rubber grip

CS-590
Perfect for farms and larger lots of land or felling.
• Heavy-duty, easy-access air filter
• Decompression valve for easy starting
• Automatic, adjustable clutch-driven oiler for reduced oil consumption

CS-620P
A step up in power from the CS-590, ideal for heavy on-ground use, logging and larger clearing jobs.
• Professional-grade magnesium sprocket cover and crank case
• Heavy-duty aluminum handle with rubber grip
• Decompression valve for easy starting
• Performance Cutting System™ – upgraded bar and aggressive chain for improved cutting performance

CS-620PW
Same as the CS-620P model with a full wrap handle.
• Tool-less, easy access air filter
• Magnesium crankcase provides light weight durability
• Performance Cutting System™ – upgraded bar and aggressive chain for improved cutting performance

CS-680
A go-to choice for quicker tree felling.
• Professional-grade aluminum handle with rubber grip
• Automatic adjustable oiler with manual override
• Performance Cutting System™ – upgraded bar and aggressive chain improves cutting performance

See page 64 for additional features and specifications.

See page 64 for additional features and specifications.
POWER PRUNERS®

ECHO’s lightweight and comfortable Power Pruners® give you extra long reach for fast, easy and safe pruning.

Our Power Pruners® come with either a 2-year commercial or 5-year consumer warranty, plus a lifetime warranty on the flexible drive cable.

PPF-225
Light weight option for homeowners that is excellent on small to medium sized branches.
- Front and rear handle rubber grips for operator comfort and reduced vibration

PPF-2620
Pro-model with high power ideal for large branch pruning.
- 1.35 hp for fast, efficient cutting
- Magnesium gear case with side access chain tensioner

PPT-2620
Perfect telescoping model for pros working through higher branches - the loop handle design gives more leverage to reach higher.
- 1.35 hp for fast, efficient cutting
- Ergonomic loop handle with rubber grip for comfort and vibration reduction

PPT-2620H
Same power and benefits as the PPT-2620, with an in-line handle that provides extra comfort and familiarity with other in-line handle models.
- 1.35 hp for fast, efficient cutting
- In-line handle with rubber grip for comfort and vibration reduction

ECHO’s lightweight and comfortable Power Pruners® give you extra long reach for fast, easy and safe pruning. Our Power Pruners® come with either a 2-year commercial or 5-year consumer warranty, plus a lifetime warranty on the flexible drive cable.

CUT-OFF SAW

Our powerful, yet easy-to-use CSG-7410 cut-off saw gives you exceptional cutting performance. With a class-leading high torque drive system, you have a greater ability to cut through blocks or concrete without stalling. The CSG-7410 is easy to start thanks to a spring-assisted starter, decompression valve, choke with auto fast idle, and purge bulb. Plus, the reversible cutting arm enables you to easily switch from a standard position to an outside mount for flush cutting.

CSG-7410
Perfect for pavers, bricks, concrete, retaining walls, and other various hardscaping and construction jobs.
- Abrasive wheel included, diamond wheel (shown) sold separately
- Aluminum handle with rubber grip
- Stainless steel shield
- Integrated water kit

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Engine Disp.</th>
<th>Max. Engine Speed</th>
<th>Spindle Speed</th>
<th>Dry Weight</th>
<th>Wheel Diameter</th>
<th>Max. Cutting Depth</th>
<th>Arbor Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>73.5 cc</td>
<td>9,800 rpm</td>
<td>3,820 rpm</td>
<td>23.6 lbs.</td>
<td>14 in.</td>
<td>4.9 in.</td>
<td>20 &amp; 25.4 mm</td>
</tr>
</tbody>
</table>
EDGERS

ECHO Perfect Edge™ edgers create that perfect manicured look for commercial properties and residential home sites. Nothing finishes a yard like a crisp edge between a sidewalk and the turf.

An ECHO edger delivers superior power and durability in lightweight and easy-to-maneuver units. Most ECHO edgers feature a Pro-Torque™ gear case that provides 20% more torque than traditional equipment and a clog-resistant shield to keep material from piling up and slowing down the blade.

**PE-225**

The perfect model for homeowners looking to do routine residential edging.
- Captive wheel mount hardware for easy wheel height adjustability
- Durable, molded shield reduces material kickback

**PE-2620**

Powerful pro model that is ideal for commercial and heavy use.
- Contoured aluminum debris shield with open face reduces clogging
- 2:1 gear reduction to power through tough overgrown grass

**PE-2620S**

Same as the PE-2620 but with a straight shaft.
- Straight shaft for easier use in tight spaces
- Contoured aluminum debris shield with open face reduces clogging
- 2:1 gear reduction powers through tough overgrown grass

---

BED REDEFINER

Get a perfect finish every time with our BRD-2620. This durable bed redefiner gives you the comfort you want with the pro-power you need for the ultimate in cutting performance that does the job 7x faster than a shovel.

**BRD-2620**

Great choice for residential and commercial properties.
- Tool-less access air filtration for convenient in-field servicing
- ECHO-exclusive 6-finger steel blade with brazed carbide tips
- 59 in. straight shaft with flex cable drive

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Engine Disp. (cc)</th>
<th>Fuel Cap. (fl. oz.)</th>
<th>Gear Ratio</th>
<th>Debris Shield</th>
<th>Dry Weight (lb.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.4</td>
<td>20.6</td>
<td>2:1</td>
<td>Die-Cast Metal/ Nylon</td>
<td>17.7</td>
</tr>
</tbody>
</table>

See page 66 for additional features and specifications.
HEDGE TRIMMERS

Available in single- and double-sided blade designs, ECHO’s hedge trimmers come with great features like commercial-grade gear cases, padded handles, vibration reduction and more.

All gas-powered hedge trimmers feature our patented RazorEdge™ blades, which are laser-cut and precision-ground for long-lasting sharpness. Three sharpened sides per cutting tooth start cutting before the tooth engages, giving you the most efficient cut possible.

HC-2020
Perfect for homeowners and entry-level commercial use, the shorter blade length is best for smaller bushes/applications.
- Incredibly light! 10 lbs. dry weight reduces fatigue
- Professional-grade, double-sided, double-reciprocating blades provide a clean cut

HC-155
Improved features and a 24” blade length.
- Professional-grade, double-sided, double-reciprocating blades for a clean cut

HC-2210 and HC-2810
Made for commercial use and available in two blade lengths.
- Lightest weight in its class
- Front-facing exhaust prevents plant damage
- Magnesium gear case

HC-2020

HC-2810

HC-3810

SHC-225

SHC-2620

SHC-2620S

HCA-2620

SUGGESTED HEDGE TRIMMER APPLICATION

LOW/SMALL TRIMMING

MEDIUM TRIMMING

TALL/LARGE TRIMMING

See page 67 for additional features and specifications.
Our Pro Attachment Series (PAS) is the perfect all-in-one solution. In a word, the system delivers versatility. The application flexibility of this expandable line-up is as limitless as your changing job requirements. The PAS is also economical without having to purchase stand-alone, dedicated units, or maintain multiple engines – all you need is one power head and a collection of attachments. A tool-less coupler makes switching attachments quick and simple for unbeatable usefulness.

Receive either a 5-year consumer or 2-year commercial warranty with all PAS attachments and power heads.

**Shafted Hedge Trimmers**

**SHC-225 and SHC-225S**

With two different shaft lengths, homeowners can easily tackle smaller shrubs and jobs closer to the ground.

- 21 in. double-sided, double-reciprocating RazorEdge™ blades for long-lasting sharpness
- Medium-length shaft (SHC-225) provides a combination of maneuverability and reach
- Short-shaft length (SHC-225S) provides maximum maneuverability

**SHC-2620 and SHC-2620S**

Available in two different shaft lengths, these are the most powerful shafted hedge trimmers in the market, designed for larger hedges and heavy use.

- 1.35 hp for fast, efficient cutting
- 21 in. double-sided, double-reciprocating RazorEdge™ blades for long-lasting sharpness
- Long 51 in. shaft with 7° angle for long reach and best visibility of hedges during cutting (SHC-2620 only)

**HCA-2620**

Our longest shafted unit featuring an articulating gear case makes it easier to get the tops of hedges and behind hedges in tight spaces.

- 1.35 hp for fast, efficient cutting
- 21 in. double-sided, double-reciprocating RazorEdge™ blades for long-lasting sharpness
- Offset articulating gear case for easy cutting of the tops of hedges or other hard-to-reach areas

**Power Heads**

**PAS-225**

Homeowner series for residential applications.

- See page 68 for compatible attachments

**PAS-2620**

Commercial series for heavy use.

- See page 68 for compatible attachments
- 1.35 hp

See page 67 for additional features and specifications.
POWER HEAD WITH ATTACHMENTS

PAS ATTACHMENTS

Curved Shaft Trimmer 99944200615
- Easy-loading Rapid Loader® head
- Curved shaft for precise trimming

Speed-Feed® Trimmer 99944200540
- 1.6:1 gear ratio
- Easy-loading Speed-Feed® 400 trimmer head

Pro-Torque™ Trimmer 99944200545
- Pro-Torque™ gear case increases cutting torque by 50%
- ECHOmatic™ trimmer head

Brushcutter 99944200601
- 1.6:1 gear ratio
- Includes 8 in. 80-tooth brush blade

Bed Redefiner 99944200465
- Patented, replaceable 6-finger steel claw
- Adjustable support wheel

Blower 99944200490
- Solid drive shaft with 4-bearing support
- Direct-drive fan for efficient power transfer

Curved Shaft Edger 99944200470
- Pro-Torque™ gear case powers through tough overgrown grass

Straight Shaft Edger 99944200475
- Pro-Torque™ gear case powers through tough overgrown grass

Tiller/Cultivator 99944200513
- 6.5 in. tilling swath
- Heavy-duty gear box
- 42:1 gear reduction for high torque tilling

Standard Hedge Trimmer 99944200486
- 21 in. double-sided, double-reciprocating RazorEdge™ blades
- 50 in. length

Mid-Reach Hedge Trimmer 99944200640
- 21 in. double-sided, double-reciprocating RazorEdge™ blades
- 37.9 in. length

Articulating Hedge Trimmer 99944200596
- 10 blade positions with range of 135°
- 21 in. double-sided, double-reciprocating blades
- 64.4 in. length (extended), 43.3 in. length (storage position)

3' Extension 99944200536
- Tool-less coupler attaches between the PAS power head and attachment
- Compatible with Power Pruner® and all hedge trimmer attachments

Power Pruner® 99944200532
- Heavy-duty gear case and automatic oiler
- Over 8 ft. of total reach
- Comes with a 10 in. bar and chain

Pro Paddle™ 99944200620
- 10, 1.625 in. durable rubber fins
- Useful for rocks, mulch, pine needles, pine cones, acorns and sand

Pro Sweep™ 99944200553
- 22.5 in. sweeping swath
- Perfect for all surfaces including lawn, concrete and soil

See page 68 for additional features and specifications.
SPRAYERS

Available in handheld or backpack, our lightweight sprayers are comfortable and user-friendly.

**MS-41BP**
Backpack sprayer with piston-style pump.
- Tank with UV inhibitors and wide 6 in. mouth for easier filling
- Ergonomic, fold-away pump handle
- Stainless steel wand includes three nozzles
- Viton® pump seal for maximum durability

**MS-41BPD**
The best performing backpack sprayer in the market today.
- Piston/Diaphragm style pump
- 28 in. stainless steel wand with brass nozzle
- Large 6 in. mouth for easier filling

**MS-53BPE**
Large-capacity sprayer with piston-style pump.
- All critical seals feature Viton™ formulation for increased durability
- Fold-away pump handle with storage clip
- 28 in. wand trigger with three nozzles for application versatility

See page 69 for additional features and specifications.
EGi-3500 NEW Generator
Ideal solution for job sites and home outages with enough wattage to power essential household appliances.
• Automatic Voltage Regulator maintains constant voltage and power
• Covered outlets and circuit breaker protection
• Includes fuel gauge and low oil shutdown
• Folding handles and flat-free tires
• Compact ergonomic frame

EG-10000 NEW Generator
Our highest powered generator, designed for remote operations, larger job sites and home emergencies - can handle several medium-sized household appliances or other essentials during a home power outage.
• Automatic Voltage Regulator maintains constant voltage and power
• Digital multimeter for easy access to critical information
• Electric start with recall back-up
• Includes fuel gauge and low oil shutdown
• Folding handles and flat-free tires

EG-2300 NEW Inverter
A cost-effective solution for camping, tailgating and powering small home essentials.
• UL2201 approval provides two critical forms of protection from carbon monoxide poisoning
• Bluetooth ECHO Command™ app monitors functionality from your phone
• Carbon monoxide shutdown sensor

EG-4000 NEW Inverter
70% greater max wattage than the EGi-2300, a perfect solution for RVing, tailgating, or at the home or small job sites.
• UL2201 approval provides two critical forms of protection from carbon monoxide poisoning
• Bluetooth ECHO Command™ app monitors functionality from your phone
• Carbon monoxide shutdown sensor
• Equipped with (2) 120V and (1) RV outlets
### PRESSURE WASHERS

Whether you’re a homeowner looking to clean your deck or a pro-user wanting to quickly clean dirty equipment or add to your available services, our new line of pressure washers is sure to satisfy a wide range of needs.

All models are durable and cost-effective, and were designed for maximum productivity and convenience.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
</table>
| PW-3100     | Perfect for homeowners who want to complete heavy-duty tasks around the house such as cleaning sidewalks, driveways or siding. | - Convenient on-board detergent tank  
- Reversible handles for compact storage |
| PW-3200     | Designed for occasional commercial use, this mid-range pressure washer is excellent for cleaning dirty equipment, stripping finishes, flushing built-up debris from aggregate patios, and more. | - Pro-style wand with auxiliary handle for comfort  
- On-board storage for nozzles, hose and wand |
| PW-3600     | Commercial-grade, similar to the PW-3200 but offers more PSI and a much longer pump life. | - Reversible handle for compact storage  
- Triplex pump provides maximum strength and greater durability |
| PW-4200     | Our most powerful pressure washer, pros can efficiently tackle their toughest jobs - most durable engine and pump combination. | - Powered by Honda® GX390 engine  
- AR Triplex pump provides maximum strength and greater durability |
| PWE-1800    | Great entry-level unit that is ideal for DIY homeowners looking to save money by tackling projects around the house. | - Uses 80% less water than a standard garden hose  
- Convenient on-board detergent tank  
- Auto on/off pump for prolonged durability  
- One year consumer warranty |

* pump has a 1 year consumer/90 day commercial warranty (PW-3100 and PW-3200 only)

See page 71 for additional features and specifications.
58V CORDLESS

Our pro-grade 58V Cordless line-up features six different tools, readying you for whatever job is next. ECHO’s line-up delivers powerful, enhanced, gas-like performance with the convenience of cordless. All models feature brushless technology for less maintenance.

CHT-58V
Hedge Trimmer
Unique brushless motor designed to deliver superior power, run time and durability; can handle thick branches up to ¾ in. diameter.

- 24 in. double-sided blades
- Heavy-duty gear case with metal housing
- CHT-58V2AH - Includes 2AH battery and charger
- CHT-58VBT - Bare tool (no battery or charger)

CPLB-58V
Handheld Blower
A powerful, lightweight and convenient 58V handheld blower for both homeowners and pros.

- Variable speed trigger and cruise control for ultimate power and convenience
- Turbo mode button for dislodging tough debris
- CPLB-58V2AH - Includes 2AH battery and charger
- CPLB-58VBT - Bare tool (no battery or charger)

CCS-58V
Chain Saw
Perfect for light cutting, small tree felling, general pruning, limbing and yard cleanup.

- Side-access chain tensioner with on-board scrench for easy chain adjustments
- 16" bar length
- CCS-58V4AH - Includes 4AH battery and charger
- CCS-58VBT - Bare tool (no battery or charger)

CPLB-58V
Handheld Blower
A powerful, lightweight and convenient 58V handheld blower for both homeowners and pros.

- Variable speed trigger and cruise control for ultimate power and convenience
- Turbo mode button for dislodging tough debris
- CPLB-58V2AH - Includes 2AH battery and charger
- CPLB-58VBT - Bare tool (no battery or charger)

CLM-58V
Lawn Mower
Provides an unrivaled quality of cut and features a durable, composite deck with dual battery storage.

- 7-position cutting height adjustment for versatile cutting
- Quick-release handle for compact vertical or horizontal storage
- CLM-58V4AH - Includes 4AH battery and charger
- CLM-58VBT - Bare tool (no battery or charger)

Mower Accessories

- 21" Mower Blade
- Mower Bag
- Side Discharge Chute

BATTERIES AND CHARGER

2AH Lithium-Ion Battery
- 30 minute recharge time
- 2.7 lbs.
Part #: CBP-58V2AH

4AH Lithium-Ion Battery
- 1 hour recharge time
- 4 lbs.
Part #: CBP-58V4AH

Lithium-Ion Charger
- Features innovative charging technology for battery protection
Part #: CBC-58VA
RB-60
A durable spreader perfect for homeowners - key applications include fertilizer, pesticides, herbicides, and grass seeds.

- Factory-calibrated spread pattern
- Pro-style “T handle”
- Maintenance-free gear case
- Side deflector for controlling spread pattern
- Hopper cover sold separately (Part #: 91218)

RB-80
Commercial-grade spreader with an 80 lb. capacity.

- Metal auger
- Pro-style “T handle” places controls at fingertips
- Maintenance-free gear case
- Includes hopper cover

RB-100S
Perfect for professionals, similar to the RB-80 but with larger capacity and stainless steel frame, axles and hardware.

- Metal auger
- Pro-style “T handle” places controls at fingertips
- Maintenance-free gear case
- Includes hopper cover

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Disp. (cc)</th>
<th>Carburetor</th>
<th>Max Torque at Engine</th>
<th>Max Torque at Auger</th>
<th>Torque (ft. lb.)</th>
<th>Max RPM</th>
<th>Auger RPM</th>
<th>Fuel Cap. (fl. oz.)</th>
<th>Dry Weight (lb.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA-410</td>
<td>42.7</td>
<td>Diaphragm w/ Purge Pump</td>
<td>1.197 ft/lb (2.0 Nm)</td>
<td>45.0 ft/lb (66.4 Nm)</td>
<td>51.8</td>
<td>348</td>
<td>21.6</td>
<td></td>
<td></td>
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<tr>
<td>TC-210</td>
<td>21.2</td>
<td>Diaphragm w/ Purge Pump</td>
<td>1.197 ft/lb (2.0 Nm)</td>
<td>45.0 ft/lb (66.4 Nm)</td>
<td>51.8</td>
<td>348</td>
<td>21.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HAND TOOLS

HP-43 Gear Technology Bypass Pruner
Gear technology increases cutting performance 3 times.
- Multiplies leverage 3X
- High carbon steel blade
- Rubber overmolded grip
- Max. cut capacity: 5/8 in.

HP-44 Adjustable Grip Bypass Pruner
Adjustable grip provides wide range of cutting diameters up to 1 in.
- High carbon steel blade
- Rubber overmolded grip
- Max. cut capacity: up to 1 in.

HP-62 Pro Series Bypass Pruner
Heavy duty, aluminum contoured handle design for reduced wrist strain and heavy cutting applications.
- Aluminum die-cast handles
- High carbon steel blade
- Max. cut capacity: 1 in.
- Replaceable Blade and spring (Part #: 91231)

HA-1142 Hatchet
Compact size for smaller cutting applications, kindling or being used in tighter spaces.
- High carbon-content steel with hardened and tempered cutting edge
- Ergonomic fawn foot design, low moisture hickory handle provides long-lasting comfort and durability
- Handle Length: 14 in.
- Head Weight: 2 lbs.

HA-1282 Limbing Axe
For limbing applications or root removal where a chain saw shouldn’t be used.
- High carbon-content steel with hardened and tempered cutting edge
- Ergonomic fawn foot design, low moisture hickory handle provides long-lasting comfort and durability
- Handle Length: 26 in.
- Head Weight: 2.25 lbs.

HA-1363 Felling Axe
Longer handle and heavier cutting head for felling trees and root removal.
- High carbon-content steel with hardened and tempered cutting edge
- Ergonomic fawn foot design, low moisture hickory handle provides long-lasting comfort and durability
- Handle Length: 36 in.
- Head Weight: 3.5 lbs.

HA-1366 Splitting Maul
Perfect tool for firewood splitting.
- Hardened and tempered cutting edge for superior strength
- Low moisture hickory handle for maximum durability and strength
- Blade shape designed for splitting wood
- Oil-rubbed finish eliminates oxidation
- Handle Length: 36 in.
- Head Weight: 6 lbs.

HA-1005 Splitting Wedge
- Sharpened and ready for use
- Targeted cutting edge for efficient splitting
- Striking face is intended for driving splitting wedge
- Forged head weight: 5 lbs.

HA-2710 Anvil Lopper
Blunt anvil design is better for pruning dead branches.
- High carbon-content steel blades sharpened and precision-ground
- Gear technology reduces cutting effort
- Heavy-duty aluminum alloy handles
- Max. cut capacity: 2.25 in.

HA-2720 Bypass Lopper
Slicing, scissors design is better for pruning live wood.
- High carbon-content steel blades sharpened and precision-ground
- Gear technology reduces cutting effort
- Heavy-duty aluminum alloy handles
- Max. cut capacity: 2.25 in.

HA-2910 Hedge Shear
Precision cutting for shaping hedges and foliage.
- High carbon-content steel blades sharpened and precision-ground
- Gear technology reduces cutting effort
- Heavy-duty aluminum alloy handles
- Max. cut capacity: .375 in.

HA-1143 Hedge Shear
Precision cutting for shaping hedges and foliage.
- High carbon-content steel blades sharpened and precision-ground
- Gear technology reduces cutting effort
- Heavy-duty aluminum alloy handles
- Max. cut capacity: .375 in.

HA-2810 Hedge Shear
Precision cutting for shaping hedges and foliage.
- High carbon-content steel blades sharpened and precision-ground
- Gear technology reduces cutting effort
- Heavy-duty aluminum alloy handles
- Max. cut capacity: .375 in.

HA-2910 Hedge Shear
Precision cutting for shaping hedges and foliage.
- High carbon-content steel blades sharpened and precision-ground
- Gear technology reduces cutting effort
- Heavy-duty aluminum alloy handles
- Max. cut capacity: .375 in.

HA-1282 Limbing Axe
For limbing applications or root removal where a chain saw shouldn’t be used.
- High carbon-content steel with hardened and tempered cutting edge
- Ergonomic fawn foot design, low moisture hickory handle provides long-lasting comfort and durability
- Handle Length: 26 in.
- Head Weight: 2.25 lbs.

HA-1363 Felling Axe
Longer handle and heavier cutting head for felling trees and root removal.
- High carbon-content steel with hardened and tempered cutting edge
- Ergonomic fawn foot design, low moisture hickory handle provides long-lasting comfort and durability
- Handle Length: 36 in.
- Head Weight: 3.5 lbs.

HA-1366 Splitting Maul
Perfect tool for firewood splitting.
- Hardened and tempered cutting edge for superior strength
- Low moisture hickory handle for maximum durability and strength
- Blade shape designed for splitting wood
- Oil-rubbed finish eliminates oxidation
- Handle Length: 36 in.
- Head Weight: 6 lbs.

HA-1005 Splitting Wedge
- Sharpened and ready for use
- Targeted cutting edge for efficient splitting
- Striking face is intended for driving splitting wedge
- Forged head weight: 5 lbs.

HP-44 Adjustable Grip Bypass Pruner
Adjustable grip provides wide range of cutting diameters up to 1 in.
- High carbon steel blade
- Rubber overmolded grip
- Max. cut capacity: up to 1 in.

HP-62 Pro Series Bypass Pruner
Heavy duty, aluminum contoured handle design for reduced wrist strain and heavy cutting applications.
- Aluminum die-cast handles
- High carbon steel blade
- Max. cut capacity: 1 in.
- Replaceable Blade and spring (Part #: 91231)
RED ARMOR® FUEL TREATMENT  
*ECHO EXCLUSIVE*

Keep fuel fresh for up to two years with our unique fuel treatment. With a blend of antioxidants, detergents and an alcohol-free based formula, our Red Armor Fuel Treatment works with both 2-stroke and 4-stroke engines for day-to-day use or extended storage.

- Part #: 7550000 1 fl. oz. sample pack (treats 2.5 gallons)
- Part #: 7550012 12 fl. oz. bottle

RED ARMOR® LUBRICANT  
*ECHO EXCLUSIVE*

This lithium-based grease is water-resistant and seals out moisture, giving you long-lasting protection. It is ideal for gear cases, spindles, cables, and ball bearings.

- Part #: 94001 0.8 oz. tube
- Part #: 94008 8 oz. tube
- Part #: 94014 14 oz. cartridge
- Part #: 91016 Grease gun for 8 oz. tube

RED ARMOR® HAND SCRUB  
*ECHO EXCLUSIVE*

Dirt-powered, water-activated, and free of harsh chemicals. Easily scrub away grease and grime!

- Part #: 3550000 0.2 oz. sample pack
- Part #: 3550002 2.5 oz. tube
- Part #: 3550008 8 oz. tube
- Part #: 3550064 64 oz. pump bottle

RED ARMOR® BLADE CLEANER AND LUBRICANT  
*ECHO EXCLUSIVE*

Quickly boost cutting performance by getting rid of what’s collected along your blades. Our exclusive formula reduces friction, prevents corrosion, and promotes post-trimming plant health.

- Part #: 4550012 12 fl. oz. bottle

Red Armor is first and foremost about the user. Users who buy ECHO need to be rewarded for what they need most: Performance. The Red Armor family is designed exclusively for ECHO to deliver the ultimate performance for your outdoor power equipment. These best-in-class solutions offer a wide array of outdoor applications and continue to expand.
BIODEGRADABLE BAR AND CHAIN OIL

Formulated with a vegetable base, this oil is environmentally safe and designed to biodegrade over time.

Part #: 6450000G
- 1 gallon
- 4 per case

BAR AND CHAIN OIL

Reduce frictional heating with this unique blend of lubricants and detergents, all while lessening resin buildup and promoting chip and dust removal.

- Anti-wear additives
- Tackifiers for lubrication
- 2-year shelf life when properly stored
- Meets OECD 301 specifications

Part #: 6450006
- 1 gallon
- 4 per case

Part #: 6450007
- 1 gallon
- 4 per case

CHAIN SAW ACCESSORIES

To get the most from every saw and provide you with an exceptional experience, our bars and chains are specially matched. Reference the chart below to see what goes with each of our chain saw models.

<table>
<thead>
<tr>
<th>BAR CHAIN</th>
<th>BARS AND CHAINS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chain Saw Models</td>
<td>Length in. (cm)</td>
</tr>
<tr>
<td>CS-211T</td>
<td>12 (30)</td>
</tr>
<tr>
<td>CS-211T</td>
<td>12 (30)</td>
</tr>
<tr>
<td>CS-211T</td>
<td>12 (30)</td>
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<td>12 (30)</td>
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<tr>
<td>CS-211T</td>
<td>12 (30)</td>
</tr>
<tr>
<td>CS-211T</td>
<td>12 (30)</td>
</tr>
</tbody>
</table>

The part numbers listed above (e.g. 91PX52CQ) include a two- or three-letter code that references the chain type. See detailed descriptions below.

**Chord Type:** LOW VIB CHAIN

- **LVC:** Low-vibration semi-chisel cutter with ramped depth gauges and longer top plate.
- **LVC:** Low-vibration semi-chisel cutter with ramped depth gauges and standard sequence.
- **LVC:** Low-vibration semi-chisel cutter with ramped depth gauges and standard sequence.

**Chord Type:** PROFESSIONAL CHAIN

- **LVC:** Low-vibration semi-chisel cutter with ramped depth gauges and standard sequence.
- **LVC:** Low-vibration semi-chisel cutter with ramped depth gauges and standard sequence.

**WARNING:** Cancer and Reproductive Harm

www.P65Warnings.ca.gov

**WARNING:** Cancer and Reproductive Harm

www.P65Warnings.ca.gov
**CHAIN SHARPENING FILES**

Reference the chart on page 47 to find the appropriate file size for your chain.

**BAR AND CHAIN COMBOS**

VALUE + CONVENIENCE = ONE GREAT COMBINATION

<table>
<thead>
<tr>
<th>Part #</th>
<th>File Size</th>
<th>Handle</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1260203/F14X</td>
<td>14</td>
<td>CS-310/352</td>
<td>2-Pack</td>
</tr>
<tr>
<td>1460203/F14X</td>
<td>14</td>
<td>CS-305/310/350/370</td>
<td>(5 boxes of 12)</td>
</tr>
<tr>
<td>1660203/F14X</td>
<td>16</td>
<td>CS-310/350/370/400</td>
<td>(5 boxes of 12)</td>
</tr>
<tr>
<td>20004073/F14X</td>
<td>20</td>
<td>CS-500</td>
<td>(5 boxes of 12)</td>
</tr>
</tbody>
</table>

**CHAIN SAW TIP GUARD**

Protect against kick-back by preventing saw’s tip from making contact with logs & branches.

Part #: 2894902 CS-2511T through CS-400
Part #: 2895202 CS-4510 through CS-800P

**FASTENSON™**

Allows for quick and easy chain adjustment without tools.

For CS-370 and CS-400 only.
Part #: 99988802200

**PLASTIC SCABBARD**

Marked in 2 in. increments to be cut anywhere between 12 in. and 20 in. in length.
Part #: 99988801500

**PALM DEBRIS GUARD**

Keeps engine clear of palm debris.

Part #: 91208 CS-361P
Part #: A127000480 (optional) CS-2511T
Part #: 91209 (optional) CS-355T

**STUMP VISE**

For easy in-woods chain sharpening.
Part #: 99988801808

**TOUGHCHEST™ CHAIN SAW CASES**

Solid, high-quality carrying case for your saw featuring interior slots for files, chain, glasses, oil and more. A multi-function case to protect your investment and offer longevity and durability. Does not fit CS-620PW.

Dimensions: 20 in. (L) x 12 in. (W) x 12.5 in. (H)
Part #: 99988801210

**CHAIN SAW CHAPS**

Features six layers of protective material for superior protection and durability. An expandable 30 in. - 42 in. waist accommodates a variety of body types. Meets OSHA standards for leg protection. UL classified in accordance with ASTM F1897-2014.
Part #: 99988801213

**ARBORIST PANTS**

Designed with eight layers of protective material in stretch nylon for comfort and flexibility. Features five pockets, trouser hooks and articulated knees to prevent pulling at waist. Meets OSHA standards for leg protection. UL classified in accordance with ASTM F1897-2014.
Length: 32 in.
Part #: 99988801214

**CHAIN SAW GLOVES**

Features two layers of Kevlar® on the back for cut resistance, and foam pads on the palm for vibration reduction. 100% goatskin leather on the front for a firm grip, reinforced fingertips and knuckles for durability. A hook and loop wrist closure provides a secure fit.
Part #: 99988801500

**CHAIN SAW SAFETY KIT**

Includes chain saw safety helmet system, (see below), safety glasses, work gloves (size L), and professional apron-style leg chaps. An expandable 30 in. - 42 in. waist accommodates a variety of body types.
Length: 36 in.
Part #: 99988801527

**CHAIN SAW SAFETY HELMET SYSTEM**

Includes helmet, mesh face visor, and ear protection.
Hearing: NRR 22 dB(A) rated
Part #: 99988801500

Replacement Parts:
- Part #: 99988801501 Harness
- Part #: 99988801502 Screen
- Part #: 99988801503 Visor Frame
- Part #: 99988801504 Ear Muffs

*ECHO recommends the use of personal protective equipment when operating ECHO power equipment. Chain saw chaps and pants may not provide the same level of protection with cordless chain saws as with gas chain saws.
Our easy-to-use and innovative Speed-Feed® trimmer heads take the hassle out of refilling your trimmer head.

- No disassembly required
- Reload your trimmer line in 30 seconds or less
- Rugged head for medium and heavy-duty applications
- Smooth bottom enables the head to glide along the ground for an even cut

**SPEED-FEED® 400**
- Accepts 20 ft. of .095 in. line
- Maximum line diameter: .105 in.
- Comes pre-loaded with .095 in. Cross-Fire® line
- Universal head also fits other competitor trimmer models

Part #: 99944200907 Universal (for ECHO SRM models and select competitor models)
Part #: 99944200908 Universal Bulk Pkg of 24

**SPEED-FEED® 450**
- Accepts 25 ft. of .095 in. line
- High Capacity - maximum line diameter: .130 in.
- Comes pre-loaded with .095 in. Cross-Fire® line

Part #: 99944200909

**HIGH-CAPACITY MANUAL HEAD**
Traditional style head designed for rugged use with a large line holding capacity.

Universal Fit
Part #: 21560065

**HEAVY-DUTY FIXED LINE HEADS**
Durable aluminum head that is designed for tough cutting environments and areas that are abrasive.

- Heavy-Duty
- Heavy-Duty (High Torque)

Part #: 99944200220

**MAXI-CUT™ HEADS**
For use where traditional trimmer line is not effective.

- Maxi-Cut
- Pro Maxi-Cut
- Maxi-Cut Blades Pack of 10

Part #: 215311

---

**TRIMMER HEADS**

<table>
<thead>
<tr>
<th>Model</th>
<th>ECHOnematic®</th>
<th>ECHOnomatic Pro™</th>
<th>Heavy-Duty Fixed</th>
<th>Heavy-Duty Fixed (High Torque)</th>
<th>Speed-Feed® 400</th>
<th>Speed-Feed® 450</th>
<th>High-Capacity Manual</th>
<th>2-Line Rapid-Loader™</th>
<th>3-Line Rapid-Loader™</th>
<th>Maxi-Cut™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part #</td>
<td>21560070</td>
<td>21560070B</td>
<td>99944200220</td>
<td>99944200220 (High Torque)</td>
<td>99644200907</td>
<td>99644200908</td>
<td>99944200903</td>
<td>21560065</td>
<td>21560056</td>
<td>99944200221</td>
</tr>
</tbody>
</table>

---

**TRIMMER ACCESSORIES**

- **ECHOnomatic® HEADS**
  Proven economical bump head design great for mowing and trimming.

  ECHOnmatic® (universal)
  Bulk package of 24
  Part #: 21560070

  ECHOnmatic® Pro
  Bulk Package of 24
  Part #: 21560031

- **RAPID LOADER® HEADS**
  For smaller jobs with minimal obstacles. Easy to reload with pre-cut strips.

  2-Line
  Bulk package of 24
  Part #: 21560056

  2-Line (universal)
  Part #: 21560062

  3-Line (50% more cutting ability)
  Part #: 99944200221

---

**EASY AS**

1. LINE UP ARROWS
2. FEED LINE
3. TWIST TOP DISC TO WIND

---

**TRIMMER & BRUSHCUTTER ACCESSORIES**

- **ECHOnomatic® HEADS**
  Proven economical bump head design great for mowing and trimming.

  ECHOnmatic® (universal)
  Bulk package of 24
  Part #: 21560070

  ECHOnmatic® Pro
  Bulk Package of 24
  Part #: 21560031

- **RAPID LOADER® HEADS**
  For smaller jobs with minimal obstacles. Easy to reload with pre-cut strips.

  2-Line
  Bulk package of 24
  Part #: 21560056

  2-Line (universal)
  Part #: 21560062

  3-Line (50% more cutting ability)
  Part #: 99944200221

---

**HIGH-CAPACITY MANUAL HEAD**
Traditional style head designed for rugged use with a large line holding capacity.

Universal Fit
Part #: 21560065

---

**HEAVY-DUTY FIXED LINE HEADS**
Durable aluminum head that is designed for tough cutting environments and areas that are abrasive.

- Heavy-Duty
- Heavy-Duty (High Torque)

Part #: 99944200220

---

**MAXI-CUT™ HEADS**
For use where traditional trimmer line is not effective.

- Maxi-Cut
  Part #: 215311
  Curved Shaft

- Pro Maxi-Cut
  Part #: 215311
  Straight Shaft

- Maxi-Cut Blades
  Pack of 10
  Part #: 215712
TRIMMER & BRUSHCUTTER ACCESSORIES

BLACK DIAMOND™: TWISTED, SQUARE EDGES

<table>
<thead>
<tr>
<th>Line Dia. (in.)</th>
<th>Mini Clam</th>
<th>Small Clam</th>
<th>Large Clam</th>
<th>Medium Spool</th>
<th>Large Spool</th>
<th>Extra Large Spool</th>
</tr>
</thead>
<tbody>
<tr>
<td>.065</td>
<td>-</td>
<td>-</td>
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<td>-</td>
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<td>.130</td>
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</tr>
</tbody>
</table>

CROSS-FIRE®: MULTI-SIDED

<table>
<thead>
<tr>
<th>Line Dia. (in.)</th>
<th>Mini Clam</th>
<th>Small Clam</th>
<th>Large Clam</th>
<th>Medium Spool</th>
<th>Large Spool</th>
<th>Extra Large Spool</th>
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</thead>
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PRE-CUT CROSS-FIRE® LINE FOR RAPID LOADER®

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ROUND LINE

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SILEN Protection

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BLADES AND CONVERSION KITS

A variety of brush and dense grass blades are available for all ECHO straight shaft (SRM series) trimmers and brushcutters. A blade conversion kit is required if not supplied with your original trimmer. Refer to your operator’s manual for the appropriate safety harnesses, handles, shields, etc. when installing optional blades or accessories.

<table>
<thead>
<tr>
<th>Model</th>
<th>10&quot; 3-Tooth Grass and Weed Blade</th>
<th>3&quot; 3-Tooth Leaf Blade</th>
<th>3&quot; 3-Tooth Brush Blade</th>
<th>10&quot; 3-Tooth Brush Blade</th>
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*Please note if using a blade conversion kit, you MUST use a 20 mm blade. All blade conversion kits have 20 mm arbors. Blade conversion kit is required for metal blades.

EDGER ATTACHMENT

Turn your straight shaft trimmer, brushcutter, or bed edger into a lawn edger. Part #: 99944230001

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<tr>
<th>Fits SRM-266, SRM-2620T, BRD-2620</th>
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OFFSET U-HANDLE KITS

Converts the standard SRM trimmer to the bicycle “U”-handle of an SRM brushcutter. See Chart for Part #

<table>
<thead>
<tr>
<th>Model</th>
<th>U-Handle Kit</th>
<th>Blade Conversion Kit (20 mm Arbor)</th>
<th>Tiller/Cultivator</th>
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TILLER/CULTIVATOR ATTACHMENT

Turn your trimmer or brushcutter into a ground tiler. Part #: SRAC-200

See chart for trimmer compatibility

BLADE PROTECTORS

Protect your brushcutter blade from storage wear and tear. Part #: PC20106360 (8 in. diameter)

Part #: PC20100470 (10 in. diameter)

BLADE CONVERSION KIT

Required for converting the standard string trimming head of an SRM trimmer to a brush or grass and weed blade. See Chart for Part #

<table>
<thead>
<tr>
<th>Model</th>
<th>U-Handle Kit</th>
<th>Blade Conversion Kit (20 mm Arbor)</th>
<th>Tiller/Cultivator</th>
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* 260 series requires an 8" 20 mm blade when using 99944200418
** 302 series requires a 10" 20 mm blade when using 99944200418

WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov
MANUALLY-OPERATED SPRAYER ACCESSORIES
Adding CF valves to your wand or boom can help in conserving chemical mixtures while reducing waste and time by delivering a consistent flow control, independent of input pressure.

**CF Valve - 15 PSI**
Part #: 99944100508

**CF Valve - 21 PSI**
Part #: 99944100509

**CF Valve - 29 PSI**
Part #: 99944100510

**Spot Spraying Shield with Nozzle**
- For use with all ECHO wands
- 80% angle for full coverage spraying
Part #: 99944100503
EARTH/AICE AUGER ACCESSORIES

EARTH AUGERS

All ECHO augers have a 7/8 in. diameter shaft opening. The 6 in., 8 in. and 10 in. augers feature a flex coil design to absorb ground shock while slowing impact between the blade and rock for better handling and operation.

DUAL-BLADE ICE AUGERS

ECHO ice augers feature a centering ring to re-drill old holes. Unique coil technology slows the impact between blade, ice, or other debris.

EXTENSION SHAFTS

ECHO extension shafts are compatible with 3 in. - 10 in. dia. earth augers. Not for use with 12 in. dia. or longer earth augers.

ENGINE DRILL ACCESSORIES

Part #: 99944900001 - 2.5 in. dia. Bulb and Plant Auger (24 in. L)
Part #: 99944900021 - 3 in. dia. Bulb and Plant Auger (24 in. L)
Part #: 99944900081 - 3 in. dia. Heavy-duty Auger (18 in. L)
Part #: 99944900070 - 7 in. dia. Salton Pot Auger (12 in. L)
Part #: 99944900020 - Keyless Chuck
Part #: 99944900032 - Keyed Chuck
Part #: 99944900033

EARTH AUGER REPLACEMENT BLADES & POINTS

<table>
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<tr>
<th>Auger Replacement Blade Length (in)</th>
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<table>
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<th>Auger Replacement Point Length (in)</th>
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<td>1 (for use on 2 in. and 3 in. earth augers)</td>
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<td>2 (for use on 4 in. - 10 in. earth augers)</td>
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ICE AUGER REPLACEMENT BLADES & POINTS

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<th>Diameter (in)</th>
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Earth Auger Adapter with Spring Part #: 999449000335

Converts 7/8 in. to 1 in. diameter

PERSONAL PROTECTION ACCESSORIES

ECHO safety glasses are lightweight and impact-resistant. All models meet ANSI Z87.1 standard.

Safety Glasses

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Vibration-reducing Sport/Landscape Gloves

Part #: 103942194 M
Part #: 103942196 L
Part #: 103942197 XL
Part #: 103942195 M
Part #: 103942198 L
Part #: 103942199 XL

Hearing Protection

Helps reduce potentially harmful noise emissions from damaging hearing. NRR 29 dB(A) rating. Meets ANSI S3.19 standards.

Part #: 99988801510

Brushcutter System

Provides relief from harsh outdoor conditions such as sun, dust and heat.

Part #: 99988801501

Disposable Dust Mask

Provides 95% filtration.

Part #: 99988803005

Cooling Towel

Keeps you cool for hours. 3-layer construction absorbs sweat, stores moisture to keep you cool, and evaporates to diffuse heat.

Part #: 99988801001

Replacement Filters

Part #: 99988803006

ECHO USA

ECHO USA // 800-432-3246

www.P65Warnings.ca.gov

WARNING: Cancer and Reproductive Harm
By staying on top of recommended maintenance schedules, you not only prolong the life of your ECHO equipment but also save time and money by reducing large scale repairs often incurred by not properly maintaining equipment.

**TUNE-UP KIT**
One convenient kit with all the necessary parts to keep your ECHO equipment running at peak performance.
- Air Filter
- Fuel Filter
- Spark Plug

**AIR FILTER KIT**
Fits most ECHO outdoor power equipment models.
- Air Filter
- Lid Cleaner
- Lid Fastener

**FUEL SYSTEM KIT**
One kit with all the necessary fuel components to keep your ECHO engine running smoothly.
- Fuel Filter
- Fuel lines
- Grommet
- Fuel Gasket
- Purge Bulb

## Model Maintenance Kit

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<tr>
<th>Model</th>
<th>Tune-up Kit</th>
<th>Fuel System Kit</th>
<th>Gas Cap</th>
<th>Spark Plug</th>
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**ECHO Pro®**

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<th>Tune-up Kit</th>
<th>Fuel System Kit</th>
<th>Gas Cap</th>
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### TRIMMERS

#### Features and Benefits
- Tool-less air filter cover for easy access
- Commercial-grade felt air filtration for long engine life
- 2-stage commercial-grade air filtration for long engine life
- 2-stage pleated air filtration for long engine life
- i-30™ starting system for 50% starting effort reduction
- i-75™ starting system for 75% starting effort reduction
- Digital ignition system for easy starting
- Purge bulb for easy starting
- Ergonomic throttle handle with rubber grip for comfort
- Ergonomic, adjustable front handle for custom fit
- Debris shield with integrated cut-off knife for optimal line length
- Extra-heavy-duty vibration-reduction system for operator comfort
- Debris shield with integrated cut-off knife for optimal line length
- Engine vibration-reduction system for operator comfort
- Extra-heavy-duty vibration-reduction system for operator comfort
- Speed-Feed® 400 cutting head for easy reloading
- Powerhead components made from magnesium
- Dual piston ring design for long engine life
- 2.1 Pro Torque® gear case ratio for superior power/cutting

#### GT-225
- Model: GT-225
- Engine: 21.2 Rotary
- Carburetor: 14.2
- Fuel Capacity: 48
- Shaft Length (in): 30°
- Shaft Type: Rapid Loader®
- Cutting Head: GT with 16 in. Swath
- Drive Shaft: 4-Layer Cable
- Gear Ratio: 2:1
- Nylon Line: .080
- Cross-Fire® 10.1
- Weight (lb.)*: 11.2
- Dry Weight (lb.): 10.2
- Dry Weight (lb.**): 10.2

#### GT-225i
- Model: GT-225i
- Engine: 21.2 Rotary
- Carburetor: 14.2
- Fuel Capacity: 48
- Shaft Length (in): 30°
- Shaft Type: Rapid Loader®
- Cutting Head: GT with 16 in. Swath
- Drive Shaft: 4-Layer Cable
- Gear Ratio: 2:1
- Nylon Line: .080
- Cross-Fire® 10.1
- Weight (lb.)*: 11.2
- Dry Weight (lb.): 10.2
- Dry Weight (lb.**): 10.2

#### GT-225SF
- Model: GT-225SF
- Engine: 21.2 Rotary
- Carburetor: 14.2
- Fuel Capacity: 48
- Shaft Length (in): 30°
- Shaft Type: Rapid Loader®
- Cutting Head: GT with 16 in. Swath
- Drive Shaft: 4-Layer Cable
- Gear Ratio: 2:1
- Nylon Line: .080
- Cross-Fire® 10.1
- Weight (lb.)*: 11.2
- Dry Weight (lb.): 10.2
- Dry Weight (lb.**): 10.2

#### GT-225L
- Model: GT-225L
- Engine: 21.2 Rotary
- Carburetor: 14.2
- Fuel Capacity: 48
- Shaft Length (in): 30°
- Shaft Type: Rapid Loader®
- Cutting Head: GT with 16 in. Swath
- Drive Shaft: 4-Layer Cable
- Gear Ratio: 2:1
- Nylon Line: .080
- Cross-Fire® 10.1
- Weight (lb.)*: 11.2
- Dry Weight (lb.): 10.2
- Dry Weight (lb.**): 10.2

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Dis. (cc)</th>
<th>Carburetor (w/Purge Pump)</th>
<th>Fuel Capacity (fl. oz.)</th>
<th>Shaft Length (in)</th>
<th>Shaft Type</th>
<th>Cutting Head</th>
<th>Drive Shaft</th>
<th>Gear Ratio</th>
<th>Nylon Line (in. dia)</th>
<th>Dry Weight (lb.)*</th>
<th>Dry Weight (lb.**):</th>
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</table>
FEATURES, BENEFITS, AND SPECIFICATIONS

BLOWERS AND SHRED ‘N’ VAC®

**Features and Benefits**
- Posi-loc™ pipes for a secure connection
- i-30™ starting system for 30% starting effort reduction
- Padded backrest and shoulder straps for comfort
- Low-noise, 65 dB(A) or less, output for noise-sensitive environments
- Plated, automotive-style air filter for superior filtration
- Hip-mounted throttle with cruise control
- Tube-mounted throttle with cruise control
- "L"-style frame for impact damage resistance
- Leaf guard for keeping debris out of fan intake
- Extra-flexible tube for cold weather operation
- Wide-angle tube rotation for optimum mobility
- Rotational control for reduced operator fatigue
- Rubber top handle grip for comfort and control
- Parallel handles for all-position operation
- Flared-end pipe for moving heavy or wet debris
- Throttle with cruise control for operator convenience
- Professional-grade felt air filtration for long engine life
- 35 in. long intake tube for easy reach
- Patented, 4-blade shredding mechanism for optimum debris reduction
- 2-bushel collection bag with rear zipper for convenient emptying
- Large professional-grade felt air filtration for long engine life

**SPECIFICATIONS**

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<thead>
<tr>
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<td>PB-265LN</td>
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<td>PB-760LNH/T</td>
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<td>PB-8010H/T</td>
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</table>

*with cutting head and shield  **without cutting head or shield
*per ANSI B175.2-2012 **with blowout pipe

ARBORIST CHAIN SAWS

**Features and Benefits**
- Dual-post chain brake for extra durability
- Inertia-type chain brake for safety
- Tool-less air filter cover for easy access
- Tall profile bar with multi-rivet nose for longer life
- Premium chain with extended-length cutters for greater life
- Vibration-reduction system for operator comfort
- i-30™ starting system for 30% starting effort reduction
- Spring-assisted starting system for reduced effort starting
- Digital ignition system for easy starting and smooth acceleration
- Integrated choke and fast idle with trigger release for easy starting
- G-Force Engine Air Pre-Cleaner™ for cleaner air supply to engine
- Automatic, adjustable oiler to match cutting conditions
- Automatic, adjustable clutch-driven oiler for reduced oil consumption
- Replaceable, metal bumper spike for improved control
- Side access chain tensioner for quick chain adjustments
- Metal lanyard ring for easy attaching and detaching to harness
- Optional metal bumper spike for more control
- Purge bulb for easy starting

**SPECIFICATIONS**

<table>
<thead>
<tr>
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<td>26.9</td>
<td>1.64</td>
<td>i-30™</td>
<td>Yes</td>
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<td>CS-301T</td>
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<td>CS-351T</td>
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</table>

*without bar and chain **clutch-driven

WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov echo-usa.com // 800-432-3246
FEATURES, BENEFITS, AND SPECIFICATIONS

REAR HANDLE CHAIN SAWs

**Features and Benefits**
- Dual-post chain brake for extra durability
- inertia-type chain brake for safety
- Tool-less air filter cover for easy access
- Automotive-style air filter for superior filtration
- Two-piece air filter for easy cleaning
- Round felt air filter
- Vibration-reduction system for operator comfort
- i-30™ starting system for 30% starting effort reduction
- Spring-assisted starting system for reduced effort starting
- Digital ignition system for easy starting and smooth acceleration
- Integrated choke and fast idle with trigger release
- G-Force Engine Air Pre-Cleaner™ for cleaner air supply
- Air injection air cleaner
- Automatic clutch-driven oiler for reduced oil usage
- Automatic, adjustable oiler to match cutting conditions
- Automatic, adjustable clutch-driven oiler for reduced oil usage
- Automatic, adjustable oiler with manual override
- Performance Cutting System™ - upgraded bar and chain
- Replaceable, metal bumper spike for improved control
- Side access chain tensioner for quick chain adjustment
- Decompression valve for easy starting
- Aluminum handle with rubber grip for improved comfort
- Purge bulb for easy starting
- Wrap handle for more gripping options
- Translucent fuel tank for easy level checks

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Disp (cu in)</th>
<th>Starting System</th>
<th>Purge Bulb</th>
<th>Oiling System</th>
<th>Vibration Reduction</th>
<th>Available Bar Length (in)</th>
<th>Fuel Cap. (fl. oz.)</th>
<th>Oil Cap. (fl. oz.)</th>
<th>Dry Weight* (lb)</th>
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Bar lengths available as accessories only
**without bar and chain
***clutch-driven
****with manual override

POWER PRUNERS®

**Features and Benefits**
- Tool-less air filter cover for easy access
- 2-stage air filter for improved filtration and long engine life
- i-30™ starting system for 30% starting effort reduction
- Digital ignition system for easy starting
- Purge bulb for easy starting
- Galvanized steel tube for rigidity and durability
- Aluminum inner drive shaft for torsion strength and light weight
- Ribbed fiberglass outer shaft for rigidity and control
- Ergonomic loop handle with rubber grip for comfort and handling
- In-line handle with rubber grip for comfort
- Shock-absorbing drive shaft prevents damage to shaft
- Automatic, adjustable oiler to match cutting conditions
- Side-access chain tensioner for quick chain adjustments
- Multi-layer flexible cable drive with lifetime warranty for buyer confidence
- Rubberized front hand grip for comfort and vibration reduction
- 1.5:1 gear ratio provides torque needed to cut large branches
- Telescoping shaft for a variety of cutting heights

**SPECIFICATIONS**

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*without bar and chain
## FEATURES, BENEFITS, AND SPECIFICATIONS

### EDGERS

#### Features and Benefits

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<tr>
<th>Feature</th>
<th>HC-2020</th>
<th>HC-210</th>
<th>HC-155</th>
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<tbody>
<tr>
<td>Tool-less air filter cover for easy access</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Professional-grade felt air filtration for long engine life</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>2-stage pleated air filter for long engine life</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>i-30° starting system for 30% starting effort reduction</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Digital ignition system for easy starting</td>
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<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Purge bulb for easy starting</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Heavy-duty cylinder/piston plating for increased engine life</td>
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<td>✔️</td>
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<tr>
<td>Ergonomic throttle handle with rubber grip for comfort</td>
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<td>Ergonomic, adjustable front handle for a custom fit</td>
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<td>Pro-Torque™ gear case for long-lasting durability</td>
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<tr>
<td>Metal skid plate for reduced wear to debris shield</td>
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<td>✔️</td>
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<td>Extra wide skid plate for added gear case protection</td>
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<td>Durable, molded shield for reduced material kickback</td>
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<td>Clog-resistant, open-face metal shield for reduced clogging</td>
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<td>Sight line on shield for straighter cuts</td>
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<td>Heavy-duty adjustable guide wheel with solid rubber tread</td>
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<td>Powerhead components made from high-grade magnesium for light weight and durability</td>
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<td>✔️</td>
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<td>Dual piston ring design for long engine life</td>
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<td>Extra heavy-duty engine vibration reduction system</td>
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### HEDGE TRIMMERS

#### Features and Benefits

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<th>HC-2020</th>
<th>HC-210</th>
<th>HC-155</th>
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<tbody>
<tr>
<td>Tool-less air filter cover for easy access</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Professional-grade felt air filtration for improved filtration</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>2-stage pleated air filter for improved filtration and long engine life</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Purge bulb for easy starting</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>i-30° starting system for 30% starting effort reduction</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>RazorEdge™ laser-cut, double-reciprocating blades for long-lasting sharpness</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Blade design with 3 cutting edges for efficient clean cuts</td>
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<tr>
<td>Grease-able gear case for easy maintenance and longer life</td>
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<td>✔️</td>
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<tr>
<td>Rigid support bars for straighter and more precise cuts</td>
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<tr>
<td>Tip guard prevents blade contact with buildings, fences, or the ground</td>
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<td>3-position 180° rotating handle for a variety of cutting positions</td>
<td>✔️</td>
<td>✔️</td>
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<td>Vibration-reduction system isolates front and rear handles from engine</td>
<td>✔️</td>
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<td>Rubber overmolded front handle for increased comfort</td>
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<td>Throttle handle with rubber grip for increased comfort</td>
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<td>Cushioned front handle for increased comfort</td>
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<td>Front facing exhaust prevents plant damage</td>
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### SPECIFICATIONS

#### EDGERS

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<tr>
<th>Model</th>
<th>Engine Displ. (cc)</th>
<th>Carb. (w/Purge Pump)</th>
<th>Starting System</th>
<th>Fuel Cap. (fl. oz.)</th>
<th>Blade Length (in)</th>
<th>Blade Thickness (in)</th>
<th>Dry Weight (lb)</th>
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<td>PE-225</td>
<td>21.2</td>
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<td>High-Impact Nylon</td>
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<td>i-30°</td>
<td>Die-Cast Metal</td>
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<td>i-30°</td>
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#### HEDGE TRIMMERS

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<th>Engine Displ. (cc)</th>
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<th>Fuel Cap. (fl. oz.)</th>
<th>Blade Length (in)</th>
<th>Shaft Length (in)</th>
<th>Double-Reciprocating Cutter Type</th>
<th>Dry Weight (lb)</th>
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<td>HC-2020</td>
<td>21.2</td>
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FEATURES, BENEFITS, AND SPECIFICATIONS

PRO ATTACHMENT SERIES™

Features and Benefits

- **Tool-less air filter cover for easy access**
- **Commercial-grade felt air filtration for long engine life**
- **2-stage air filter for improved filtration and long engine life**
- **I-30™ starting system for 30% starting effort reduction**
- **Digital ignition system for easy starting**
- **Purge bulb for easy starting**
- **Heavy-duty cylinder/piston plating for increased engine life**
- **Ergonomic throttle handle with rubber grip for comfort**
- **Ergonomic, adjustable front handle for a custom fit**
- **Engine vibration-reduction system for operator comfort**

Attachment Capability

- **Curved Shaft Trimmer**
- **Speed-Feed™ Trimmer**
- **Pro-Torque™ Trimmer**
- **Brushcutter**
- **Bed Redefiner**
- **Blower**
- **Curved Shaft Edger**
- **Straight Shaft Edger**
- **Tiller/Cultivator**
- **Hedge Trimmer**
- **Mid-Reach Hedge Trimmer**
- **180° Articulating Hedge Trimmer**
- **3 ft. Extension**
- **Power Pruner™**
- **Pro Paddle™**
- **Pro Sweep™**

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Displ. (cc)</th>
<th>Carb. (w/Purge Pump)</th>
<th>Fuel Capacity (fl. oz.)</th>
<th>Starting System</th>
<th>Length* (in.)</th>
<th>Dry Weight (lb)*</th>
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*Phase head only

SPRAYS

Features and Benefits

- **Tank with UV inhibitors for long life**
- **Tank marked in both gallons and liters for convenience**
- **Ergonomic handle for comfortable operation**
- **Fold-away handle with left or right hand operation**
- **Piston-style pump for efficient operation**
- **3-stage filtration for longer pump and wand life**
- **Viton™ formulation seals for increased durability**
- **Pressure-relief valve for convenient operation**
- **28 in. wand trigger with three nozzles for application versatility**
- **Combo piston/diaphragm pump for higher pressure and extended lifespan**

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<th>Chemical/Solvent</th>
<th>MS-1H</th>
<th>MS-21H</th>
<th>MS-31H</th>
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*Power head only

CHEMICAL/SOLVENT CHART

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*up to 1% concentration
### FEATURES, BENEFITS, AND SPECIFICATIONS

#### GENERATORS

**Features and Benefits**
- Ultra quiet operation • •
- Auto-idle saves fuel • • •
- Convenient carrying handle • •
- Parallel kit capable • •
- Compact ergonomic frame • •
- Folding handle and easy rolling flat-free tires • •
- Covered outlets and circuit breaker protection • • • •
- Low oil shutdown • • • • •
- Electric start with recoil back-up •
- Digital multimeter displays voltage •
- Includes fuel gauge & low oil indicator • • • •
- Bluetooth Command™ app to monitor functionality • •
- Telescoping handle & easy rolling flat-free tires •
- Carbon monoxide shutdown sensor • •
- On-board LCD displays fuel level, runtime & load level • •

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Running Watts</th>
<th>Max Watts</th>
<th>Rated Amps</th>
<th>120V Outlets</th>
<th>120V Duplex</th>
<th>120V Twist-Lock</th>
<th>240V 30 AMP Twist-Lock</th>
<th>USB Ports</th>
<th>RV Plug Outlet</th>
<th>Fuel Tank Capacity</th>
<th>Run Time @ 25% Load (Hrs)</th>
<th>dB(A) Levels at 23 Ft (db)</th>
<th>Unit Weight (lbs)</th>
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<td>1200W</td>
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<td>2300W</td>
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<td>-</td>
<td>-</td>
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<td>3.1 gal.</td>
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<td>3500W</td>
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<td>6.6 gal.</td>
<td>25 l</td>
<td>96</td>
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#### PRESSURE WASHERS

**Features and Benefits**
- Variable pressure spray and turbo nozzles included •
- Uses 80% less water than a standard garden hose •
- Convenient on-board detergent tank included • •
- Auto on/off pump for prolonged durability •
- Flat-free tires for easy transport • • • • •
- Detergent Injection System • • • • •
- Reversible handles for compact storage • • • • •
- On-board storage for nozzles, hose and wand • • • • •
- Pro wand with auxiliary handle for comfort • • • • •
- Powered by Honda GX390 engine •
- AR brand triplex pump •
- Wand, hose and nozzle quick connect coupler • • • • •

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pressure Rating</th>
<th>Flow Rate</th>
<th>Pump</th>
<th>Hose Length (Ft.)</th>
<th>Wheel Size (In.)</th>
<th>Unit Weight (lbs)</th>
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**WARNING: Cancer and Reproductive Harm**

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)