

RoboEVO 40HP



ENERGREEN[®] *America*
Professional Machines 

REMOTE
CONTROLLED
TOOLS
CARRIER

55 SLOPE



REMOTE CONTROLLED
TOOLS CARRIER

New



ROBOEVO

RoboEVO
40HP

New Remote Controlled Tools Carrier

RoboEVO is a remote controlled tools-carrier machine able to work in the narrowest areas, on slopes up to 55° or where the access is very difficult.

RoboEVO can carry different tools: it is a multifunction robot equipped with a 40 HP EPA Tier 4f diesel engine and two double effect hydraulic functions.

Evolution of RoboGREEN, the most popular radio-controlled machine in the world, the new RoboEVO tools carrier satisfies and answers to the most demanding needs with attention, experience and care to details.

With its power, performances, reliability, and strength it is completely different from other remote-controlled machines.



WORKING
RANGE 492 FT

STRENGTHS

RoboEVO
40HP



STRENGTHS



Safety and Comfort

- Radio controlled machine
- Operator in safety zone
- Emergency button on remote control
- Excellent handling
- Easy to use and carry



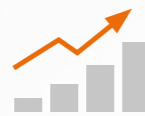
Working on steep slopes

- Excellent grip in all directions up to 55°
- New tracks design with large bearing surface
- Special oil sump
- Low center of gravity



Multifunction

- Multiple tools available
- Road and river maintenance
- Green maintenance and forestry work
- Agriculture and industry service
- Winter road service



Productivity

- Engine 40 HP EPA Tier 4f
- Quick change of equipment
- Fast execution of work
- Reduced consumption
- Maneuverability on any surface



SLOPE 55°



**OPERATOR
IN SAFETY
ZONE**

REMOTE CONTROLLED

RoboEVO is Safety

RoboEVO is a remote controlled machine, able to work in **complete safety** in **dangerous areas**, with slopes up to **55°** in any directions.

The exceptional stability of the machine is given by a low center of gravity and rubber or steel tracks for an excellent grip.

The **safety of the operator** is one of our targets: the use of the remote control with up to **492 ft** range avoids several work risks such as noise, vibrations, exposure to exhaust materials, etc.

RoboEVO 40HP

**THE REMOTE CONTROL
IS LIGHT, INTUITIVE,
AND EASY TO MASTER**

**EMERGENCY
BUTTON**



RoboEVO 40HP

COMPONENT QUALITY

RoboEVO is built with an ultra-resistant steel to ensure a long duration; all the components are tested and certified to ensure the maximum reliability and safety.

- Engine tested by the producer with a remarkable reputation for the reliability.
- Remote-control technology developed by a team of specialized experts.
- Powerful and efficient engine, appropriate for steep slopes.
- Engine crankcase designed to ensure the lubrication, even on steep slopes.
- Independent cooling system of the hydraulic system to optimize the performances.
- Double roll bar integrated into the frame to ensure a total protection of the machine.
- Flat bottom frame to protect the parts of the engine.
- Fully enclosed body panels keep out grass and debris.
- Front lifter with quick attachment mounting system.

Born to satisfy the most difficult needs, RoboEVO can easily be defined a remote-controlled grass cutting machine with power and performances comparable to a classic grass cutting arm for a tractor. These fundamental characteristics distinguish this machine from any other robot: **power, reliability, strength and high efficiency.**



YANMAR ENGINE 40 HP



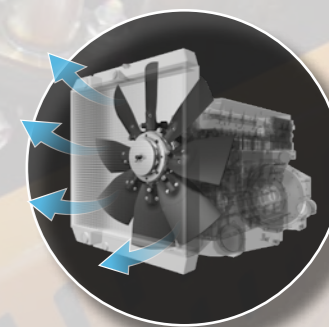
THE BEST COMPONENTS



FREXXAIRE® SELF-CLEANING REVERSIBLE FAN



RoboEVO is equipped with the self-cleaning reversible fan FLEXXAIRE® to increase productivity and fuel saving.



LED LIGHTS



WORK ON SLOPES

Working on steep slopes up to 55°

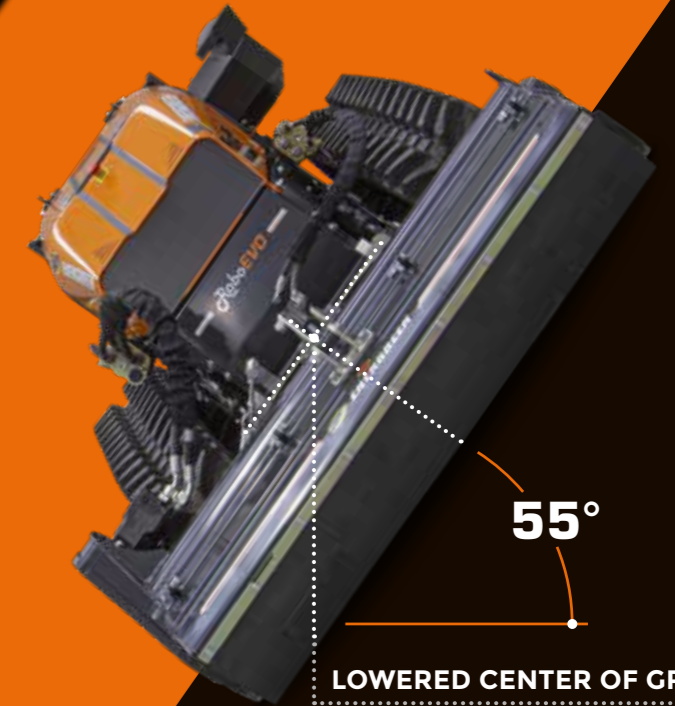
The new tracks profile and the hydraulic tensioning system allow a larger ground contact surface of the machine and make **RoboEVO** a safe machine for working on slopes up to 55° in all directions: hill and mountain areas, embankments, cliffs, etc. and in all those environments where the adherence is very low and a machine for high slopes is required.



LOWERED CENTER OF GRAVITY



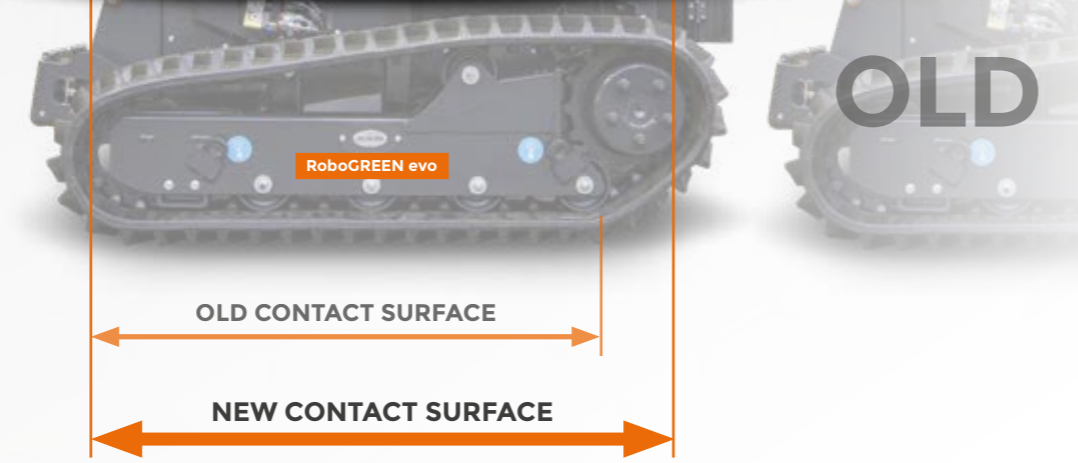
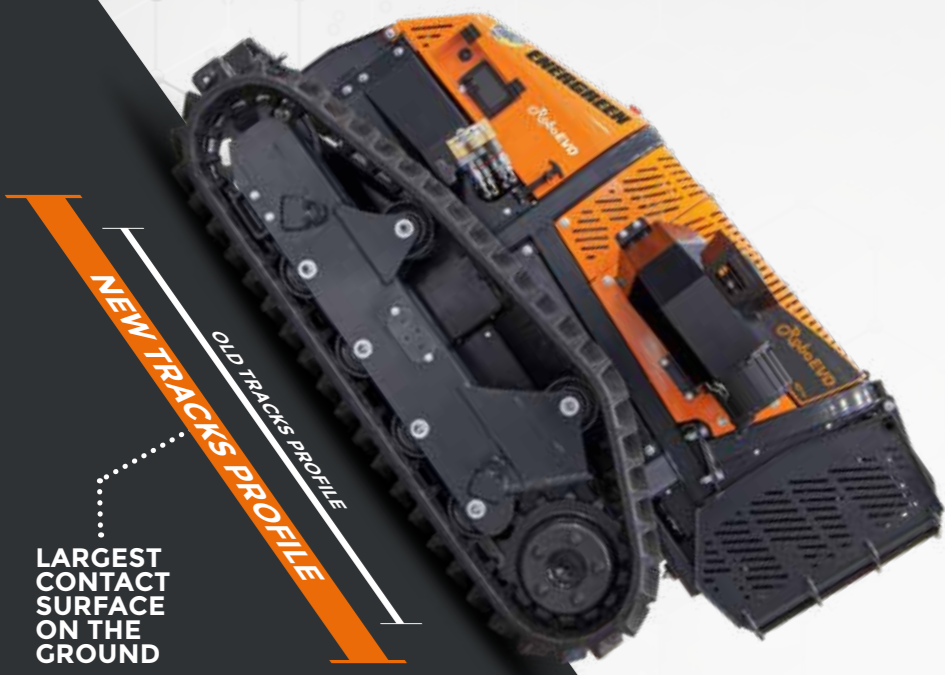
RoboEVO



55°

LOWERED CENTER OF GRAVITY

NEW TRACKS PROFILE



New tracks profile for a better adherence on the ground

The new **RoboEVO** tracks profile allows a better adherence of the machine on the ground; in this way the grass is preserved, and it is always possible to work with an **excellent grip and adherence** in each direction on all kinds of surfaces.



OPTION A

RUBBER TRACKS

IDEAL TRACKS FOR DELICATE SURFACES

- 10" of width
- Excellent adherence to the ground
- Work on sloping areas up to 40°



OPTION C

SUPER RUBBER TRACKS

IDEAL TRACKS FOR ROCKY SURFACES OR FREQUENT MOVEMENTS

- 11" of width
- Wide supporting surface with consequent less weight per cm²
- Work on sloping areas up to 55°



OPTION B

STUDED TRACKS

IDEAL TRACKS FOR EXTREME SLOPES OR AREAS WITH DENSE VEGETATION

- 10" of width
- Work on sloping areas up to 55°
- Steel stirrups



OPTION D

STUDED TRACKS AND SPIKES

IDEAL TRACKS FOR EXTREME SLOPES OR WET SURFACES

- 10" of width
- Work on sloping areas up to 55°
- Steel brackets and spikes
- Rubber head flaps (removable)



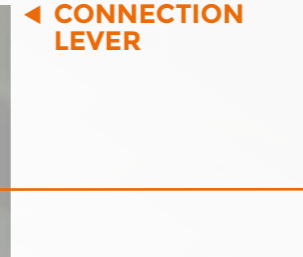
RUBBER BUFFERS



MULTIFUNCTION

Front lifter with quick attachment

RoboEVO is a remote-controlled tools carrier machine equipped with a dedicated lifter which allows a quick-change system, making the work easier and multifunction. Lifter and hydraulic connections allow the perfect match with all the previous and current equipments provided by Energreen.



CEJN FAST HYDRAULIC COUPLINGS
OPTIONAL



HEAD 130

MULCHING HEAD

Strong and reliable cutting head, built in Strenx®, ideal for the cutting of grass and shrubs, up to a diameter of 1,18 in. It can be equipped with a Y-shaped knives rotor or a hammer flails rotor with adjustable height of cutting.

TECHNICAL DATA

Cutting width	51 in
Pressure	290 bar
No. of tools	22 (Y) / 26 (Mammer)
Oil flow	14 gal/min
Hydraulic motor	21 cc
Weight	352 lbs



FORESTRY 130 H

FORESTRY HEAD WITH ROTARY HAMMERS

Strong and reliable forestry head, built in Strenx®, ideal for cutting grass, shrubs and reeds, up to a diameter of 1,5 in. It is equipped with a rotary hammers rotor, ables to grind the cutted material.

TECHNICAL DATA

Cutting width	51 in
Pressure	290 bar
No. of tools	22
Oil flow	14 gal/min
Hydraulic motor	23 cc
Weight	782 lbs



FORESTRY 130 T

FORESTRY HEAD WITH FIXED TEETH

Strong and reliable forestry head, built in Strenx®, ideal for cutting shrubs and reeds, up to a diameter of 1,9 in. It is equipped with a fixed teeth rotor, ables to grind the cutted material.

TECHNICAL DATA

Cutting width	51 in
Pressure	290 bar
No. of tools	32
Oil flow	14 gal/min
Hydraulic motor	23 cc
Weight	860 lbs



STUMP GRINDER

Professional tool designed to till, with an arc movement, stumps or trunks until they are chopped and then buried in order to quickly clean up the area.

TECHNICAL DATA

Cutter wheel	14 in
Rotation wheel	2000 rpm
No of teeth	12
Pressure	250 bar
Oil flow	14 gal/min
Weight	220 lbs



ROTARY MOWER

Tool designed to cut and grind the grass in very thin parts, leaving them on the ground. The cutted grass becomes a natural fertilizer (mulching technology) with the advantage of not having to dispose of the grass in other ways. Also available with rear exhaust pipe.

TECHNICAL DATA

Cutting width	60 in
Cutting height	0,39 in / 2,7 in
No. of blades	3
Pressure	290 bar
Hydraulic motor	21 cc
Weight	463 lbs



CUTTER BAR

Light and handy bar with teeth in tungsten carbide, wear-resistant, suitable for cutting the grass at the base or the fodder, for allowing the drying and then the storage.

TECHNICAL DATA

Cutting width	72 in
Pressure	130 bar
No. teeth	24
Oscillation	13° r-l
Hydraulic motor	35 cc
Weight	480 lbs

Technical and construction specifications may be subject to change without prior notice.



RAKE

Tool designed to turn and air the hay that had been previously cut, in order to accelerate the process of drying, or to remove the grass from the embankments of rivers and canals.

TECHNICAL DATA

Working width	63 in
Rotation speed	220 rpm
Oscillation	+/- 13°
Pressure	200 bar
Hydraulic motor	250 cc
Weight	278 lbs



BRUSH SWEEPER

Useful tool to clean the surfaces from various types of debris. It is equipped with hydraulic cylinders to adjust the lateral inclination and ease the unloading of the material. It can also be equipped with a container for the collection of the material (optional).

TECHNICAL DATA

Working width	60 in
Brush diameter	15 in
Rotation wheel	650 rpm
Oscillation	+/- 20°
Hydraulic motor	80 cc
Weight	330 lbs



FORKS

Sturdy steel forks, 31 in long, useful for the handling of various types of goods placed on pallets, up to a maximum weight of 661 lbs.

TECHNICAL DATA

Max forks width	35 in
Length forks	31 in
Class forks	1-ISO 2328
Load that can be lifted	661 lbs
Weight	176 lbs



BUCKET TIPPING BUCKET HIGH

Sturdy tool, essential for the loading and handling of materials in narrow or dangerous environments. The use of two hydraulic cylinders ensure the unloading of the product at a height of 25 in.

TECHNICAL DATA

Working width	51 in
Max. unloading height	25 in
Load that can be lifted	661 lbs
Bucket volume	7 ft ³
Pressure	180 bar
Weight	375 lbs



GRAPPLE BUCKET

Bucket with upper biting device hydraulically operated, ideal for the transfer of waste or other vegetal material. The material is blocked within the bucket, avoiding the fall.

TECHNICAL DATA

Working width	51 in
Max unloading height	25 in
Load that can be lifted	661 lbs
Bucket volume	5,2 ft ³
Pressure	180 bar
Weight	375 lbs



LAND BLADE

Tool with a steel blade, ideal for the cleaning of roadsides, avenues and squares, and for the removal or the transfer of various materials, dirt, foliage, etc.

TECHNICAL DATA

Blade width	67 in
Blade height	14 in
Scraping knife	Steel
Inclination angle	+/- 20°
Oscillation angle	+/- 13°
Weight	375 lbs

Technical and construction specifications may be subject to change without prior notice.



TRENCHER

Professional tool designed to do excavations on vegetal lands or compact grounds. It is necessary for the realization of installations of different type. In addition, it is equipped with an adjustable back foot for the control of the depth.

TECHNICAL DATA

Digging depth	40 in
Digging width	5/6/8 in
Length	83 in
Width	34 in
Pressure	240 bar
Weight	573 lbs



ROTARY TILLER

Professional tool, ideal for tilling and grinding the soil, etc. It is equipped with a rotor with 4 tools for each flange and adjustable slides.

TECHNICAL DATA

Cutting width	57 in
Max. Width	63 in
Max working depth	6 in
No. of tools	28
Power	22 HP (16,5 kW)
Weight	386 lbs



ROTARY HARROW

Professional tool, very useful for various surface works on the ground: to break clumps of dirt or the turf before the sowing, to till the soil and bury the fertilizer, etc.; it is equipped with a roller and a two knives rotor.

TECHNICAL DATA

Cutting width	60 in
Max working depth	7 in
No. of tools	14
No. of rotator	7
Power	32 HP (24 kW)
Weight	551 lbs



SPRAYER

Robust tool with polyester tank, suitable for the execution of pesticide treatments and fungicides on vineyards and fruit trees. It can be equipped with the weeding bar and the reel with manual water gun.

TECHNICAL DATA

Capacity	53 gal or 80 gal
Fan	22 in
Power	13 HP (9,6 kW)
Flow	18 gal/min
Air volume	10 in ³ /h
Weight	837 lbs



FORESTRY WINCH

Professional forestry winch equipped with disc brake. The tool is built entirely of high quality steel, resulting robust and lightweight at the same time.

TECHNICAL DATA

Dimensions (width x height)	55 x 60 in
Tractive power	3,3 / 5,5 US ton
Wire rope length	164 ft
Ø Wire rope	0,40 in
Speed	1,1 - 2,2 mph
Weight	661 lbs



BIO-SHREDDER

Powerful professional tool designed to cut any kind of vegetal waste, bundles of twigs or trunks, up to a diameter of 3,5 in. It is equipped with an adjustable conveyor for the discharge of the cutted material.

TECHNICAL DATA

Ø max chipping	3,5 in
Output	247 ft ³ /h
Shredding opening	6,2 x 8 in
Hydraulic motor	21 cc
Power	33 HP (25 kW)
Weight	474 lbs

Technical and construction specifications may be subject to change without prior notice.



SNOW BLOWER

Blower designed to remove the snow, both soft and frozen, from roads, sidewalks, squares, car parks, ramps, and narrow or hardly accessible places. It is equipped with a deflector for an adjustable ejection.

TECHNICAL DATA

Working width	55 in
Working height	28 in
Cutter diameter	15 in
Hydraulic motor	51 cc - 350 bar
Chute rotation	+/- 100°
Weight	617 lbs

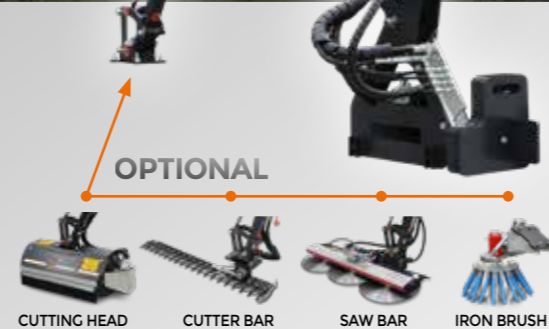


SNOW BLADE

Tool with plastic or steel blade, hydraulically adjustable, ideal for cleaning and removing the snow from roads, sidewalks, squares, car parks, ramps, etc. also in areas with steep slopes.

TECHNICAL DATA

Blade width	67 in
Blade height	24 in
Knife	Plastic or steel
Inclination angle	+/- 20°
Oscillation angle	+/- 13°
Weight	271 lbs



TRIMMY TELESCOPIC ARM

This arm can reach an extension up to 137" in depth and 177" in height, therefore working in uncomfortable situations or with steep slopes making the job easy and safe.

TECHNICAL DATA

Applicable equipment	4
Max. length	137 in
Max. height	177 in
Oil flow rate	8 gal/min
Oil pressure	160 bar
Weight	408 lbs



UMBRELLA INTERCEPTATIVE UMBRELLA

Interceptor umbrella used for harvesting olives and tree fruits. The special design of the net can embrace both one-tronc plants and double or more ones.

TECHNICAL DATA

Diameters	216 / 255 / 295 / 335 in
Diameters telescopic	216-295 / 255-295 / 255-335 in
Maximum slope	50°
Maximum diameters tronc	39 in
Capacity	330 lbs
Weight	771 lbs



TREE SHAKER

Tool designed to make a micro-vibration on the trunk of the tree to make fruits fall down. It is easy to use, thanks to two clamps with rubber protections with a possibility of inclination to the trunk.

TECHNICAL DATA

Opening max.	18 in
Max. diameter trunk	14 in
Hydraulic flow	26 gal/min
Pressure	250 bar
Weight	551 lbs



TRIMMER ORCHARD TRIMMER

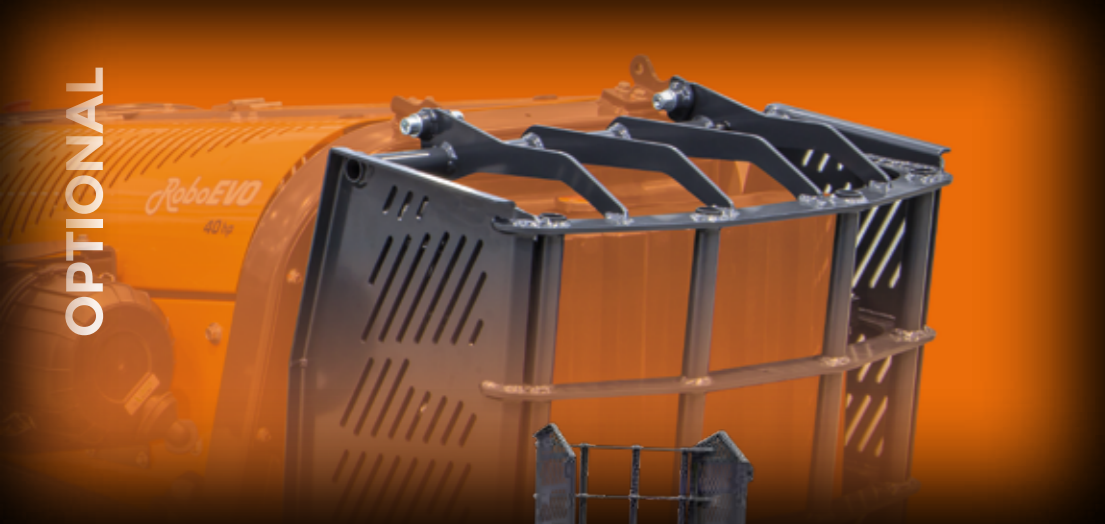
Dual blade sickle bar with double blade cutting bar and hydraulic adjustment. Appropriate for pruning vineyard, hedges, bushes etc. The alternating movement of the blades allows to prune with a perfect and clean cut avoiding tearing and/or yanking the plant.

TECHNICAL DATA

Vertical cut	75 in
Horizontal cut	33 in
Pressure	150 bar
Flow	6 gal/min
Weight	375 lbs

Technical and construction specifications may be subject to change without prior notice.

OPTIONAL

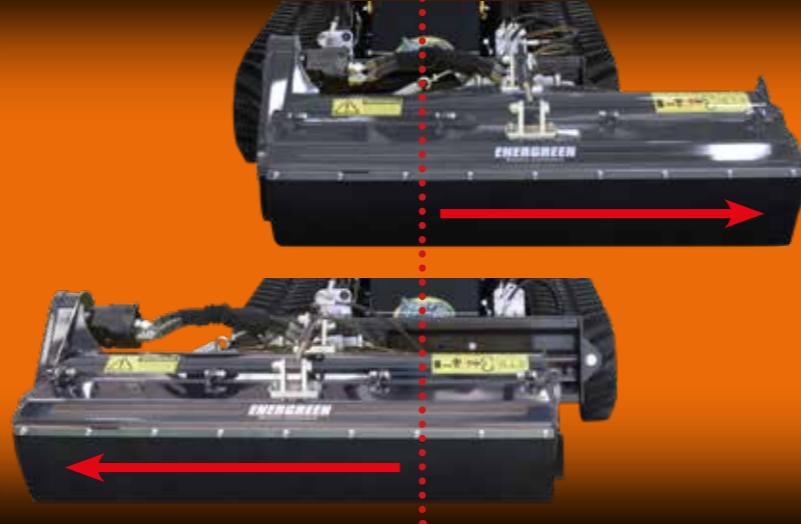


Strong Radiator Protection

RoboEVO can be equipped with a rear steel protection for the radiator (optional). It is a solid structure made up of metal tubes and plates designed to limit damages in case of collision.

The structure is handy and easy to open, making everyday maintenance much easier, thanks also to the possibility of lifting it and have an easy access to the radiator.

OPTIONAL



Hydraulic side-shift

This application allows the lateral shift (right and left) of various tools.

TECHNICAL DATA

Translation right	12 in
Translation left	12 in
Width	35 in
Height	20 in
Weight	330 lbs

Command board with color display 4,3"

Air filter easy to check

Led lights

Hydraulic tension of the tracks

Yanmar engine 40 HP EPA Tier 4f

Front lifter with quick attachment with safety lever (A)

Total protection design

Double roll bar integrated into the frame

OPTIONAL



CEJN fast hydraulic couplings



Steel radiator protection



Led light



Led flashing beacon

RoboEVO

STANDARD ●



* Super rubber tracks
** Studded tracks

RoboEVO

Maximum slope	55°
Transmission	Hydrostatic
Low range speed	0 - 2.50 mph
High range speed	0 - 4.35 mph
Weight with super rubber tracks	2645 lbs

ENGINE

Brand	Yanmar
Type	3 Cylinder Diesel
Power	40 HP (27,5 kW) EPA Tier 4f
Fuel tank capacity	7,5 gal
Working RPM	3000 rpm

REMOTE CONTROL

Brand	Autec
Radio frequency	915 Mhz (US)
Working range	492 ft
Joystick	Proportional
Battery	Rechargeable

REMOTE CONTROL CASE
Standard



Technical and construction specifications may be subject to change without prior notice.

● PLUS

RoboEVO VAARIO

Adjustable width tracks

RoboEVO vaario, thanks to the individually extensible tracked undercarriage allows a better stability and safety in extreme situations, on steep slopes or narrow areas.



* Super rubber tracks
** Studded tracks



INDIVIDUALLY EXTENSIBLE TRACK

BETTER STABILITY



RoboEVO



ENERGREENAMERICA.COM



REMOTE CONTROLLED TOOLS CARRIER



Local dealership



ENERGREEN[®] *America*
Professional Machines 

ENERGREEN America · 1242 Nowell Dr · Augusta · GA 30901 · USA
Phone CA 510 593 3144 · Phone GA 706 945 2800
info@energreamerica.com · www.energreamerica.com

PROFESSIONAL MACHINES AND EQUIPMENT

