

MOBARROW®

More than electrically powered wheelbarrow!



Mobarrow helps in Spain easily moving 85 kg of material up a 400 m long and steep slope.

Catalogue 2020

www.mobarrow.cz



BRAVO

Dad doesn't have
to work like a
horse anymore
- he's got his
Mobarrow now!



Loaded 300 Kg.

Hi, I'm Kvido and Mobarrow
is my baby. So you also have my
personal guarantee of happiness
with your Mobarrow.



Kvido Stepanek
Isolit-Bravo, spol. s r. o.
e-mail: stepanek@isolit-bravo.cz
mobile: +420 602 453 157

MOBARROW® IS A HARD WORKER!

FROM AN IDEA TO THOUSANDS OF SATISFIED CUSTOMERS...

OPPORTUNITY

After many decades of development of everything possible, motorization and modernization of various home appliance and labour saving devices, one remains unchanged. The standard barrow. No one until now, has ever been able to improve on this simple machine to eliminate manpower especially important when transporting heavy loads uphill. This was noticed by Mr. Kvido Štěpánek living between the hills on Suchý vrch (1,000 m above sea level)

IDEA

He started thinking about that and came up with a solution. When he thought to increase the diameter of the wheel axle, and make it hollow it – in fact a large tube – it gave the possibility to insert an electric motor into it, surround the motor with a gearbox capable of transmitting high torque to the wheel. The idea was born.

INVENTION

That was the most important thing! This was followed by calculating everything, designing a solution, designing a gearbox, setting the right speed, figuring out everything else, getting excited about this invention and not working alone.

BACKGROUND

And Štěpánek was never alone! He did have an entire factory, although it produced something quite different. It did not matter! About six months of design and testing work began. If we can't calculate it, we will try it!

VISION

Štěpánek had a clear vision from the very beginning. To develop Mobarrow, to produce it completely in our factory and to sell it directly to people without unnecessary intermediate links, which would only make it more expensive. And especially working alone with it and having everything tried! If not daily, then at least every other day! From the very beginning, he was convinced that he could do it!

DEVELOPMENT

The development of Mobarrow basically lasts 11 years continuously. As soon we build the first prototype, we started to invent new improvements and new variants that will be even better helpers. Today we offer an inexhaustible number of them and we are preparing more...

PATENT

Mobarrow has a trademark. We are simply proud that it is ours, that it is a Czech product! In the meantime, imitators are out there – but – it's not that easy! They can't do it. Our company publicly declares that we fully believe to supply the maximum quality possible at every step which begins with clever design and tightly controlled manufacture which gives the best products.

The Mobarrow will be inherited from father to son and from grandfather to grandson!

You have to really value your customers completely!

This is the way to succeed, because this vision and product has a huge future. We know Mobarrows get so much use by their owners that we are driven to build the best quality in order that the product will remain reliable for years.

PRODUCTION

We produce the Mobarrow from the first to the last screw at our factory in Jablonné nad Orlicí. About 90% of the parts that make up Mobarrow are made in our production. Come and see our Showroom, you are welcome at any time!

SHOWROOM

A working meeting room for our inventors and developers with an area of 500 m² with a complete presentation of the entire Mobarrow range and with the possibility of trying everything. There are also trees from forest or stumps and monkey track. And then there's the real terrain around the factory. Hills that you can't climb them on foot, forest, logs, stumps, stream, river... Perfect!

TESTING

We test every part from which Mobarrow is made in our demanding testing room and in the field. Unlike other companies that install "faulty things" in their products, we introduce improvements. We test the Mobarrow at a full load of thousands of kilometers so that it travels several times more than is actually possible at all. We will ensure lifelong operation.

QUALITY

Mobarrow has First Republic quality. Our vision is to inherit from father to son and from son to grandson. And to make it better to remember, we cut out a paradox: From father to son and from grandfather to grandson!

PRICE

We adapted the Mobarrow price to the Czech rural conditions. It is the same as the below-average pension. It will definitely pay off for the hard work it does for a man!

CUSTOMER

Mobarrow has exactly as many satisfied customers as were produced and sold. Sound incredible, but Mobarrow is such a hard worker and helper, that everyone can praise himself.

MOBARROW TEAM

The number of satisfied Mobarrow customers is the same as its production and sales number. We do not have a record a single performance complaint. Perhaps our only complaint is that they did not buy a Mobarrow earlier or instead of the machine of our competitors!

DADDY MOBARROW

So a part inventor, part philanthropist but especially a worker and a soldier of life, becomes a great man with a great business. P.S.

And Dad Mobarrow has the number +420 602 453 157 and e-mail: Stepanek@isolit-bravo.cz

He often says that the worst time will be when no one wants anything from him...

Written by: personnel Milan Žemlička

Ing. Kvido Štěpánek



DESCRIPTION

Exchangeable bins: 100 l zinc coated steel sheet bin thickness 0.8 mm (or 1 mm), and/or 80 l, 120 l or 200l plastic bin and/or barrow extension. Plastic bin is unbreakable with hard work.

- Maximum climb 35 degrees, highest vertical obstacle approx. 20 cm. The travel speed of the single-speed Mobarrow is 3,2 – 4,5 km/h, depending on the weight of the load and steepness of the hill. Mobarrow with variable speed is 0-4.5 km/h

- When traveling downhill the Mobarrow's brake can recover and store energy in its battery. A switchable freewheel is used for possible driving without a motor.

- "Indestructible" or "Eternal" are the attributes used by electricians to describe the heart of Mobarrow – a serial DC 12 V motor in versions 250, 300 and 400 W, while each subsequent version has by 50% higher torque than the previous one.



Handle control. Optional electric brake. Electric brake on request / continuous speed control Forward and Reverse

BRAVO MOBARROW®

More than electrically powered wheelbarrow!

- Tire with a width of 10 or 16 cm with a 20 mm deep tractor tread pattern has an excellent grip. It can be supplemented with a chain or spikes.

- Fuse - prevents unauthorized use.

- Energy is provided by PANASONIC AGM 12 V / 22 Ah traction batteries with electrolyte in a glass mat. It works in any position. It is the best possible battery developed to power electric vehicles.



BASIC EQUIPMENT MODELS	All bins	Tire thick 10 or 16 cm with 20 mm deep tractor tread	Motor SS serial 250 W 2 poles	Motor SS serial 300 W 4 poles	Motor SS serial 400 W 4 poles	Rear wheels Triglav with 30 cm, or 40 cm tire with length 77 cm or 98 cm	Electric brake with fixed action	Electric brake with continuously controlled effect	Smooth Reverse	Continuous forward and reverse drive control	Front tools (connects through universal tool holder)	Rear tools (connected through Triglav)	Folding frame
Mobarrow® STANDARD / SOFT	⊙	⊙	●	⊙	⊙	∅ 32 - 77	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Mobarrow® POWER	⊙	16 cm	⊙	●	⊙	∅ 32 - 77	●	⊙	⊙	⊙	⊙	⊙	⊙
Mobarrow® EXTRA POWER	⊙	16 cm	⊙	●	⊙	∅ 32 - 77	⊙	●	●	●	⊙	⊙	⊙
Mobarrow® (LARGE MONDLE)	⊙	16 cm	⊙	●	⊙	∅ 32 - 98	●	⊙	⊙	⊙	⊙	⊙	⊙
Mobarrow® CITY CLEAN	⊙	16 cm	⊙	●	⊙	∅ 32 - 77	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Mobarrow® JUMBO	550 l	16 cm	⊙	●	⊙	∅ 40 - 98	●	⊙	⊙	⊙	⊙	⊙	⊙
Mobarrow® JUMBO DOUBLE	550 l	2x 16 cm + 2x 10 cm	⊙	2x ●	⊙	∅ 40 - 98	⊙	●	●	●	⊙	⊙	⊙
Mobarrow® LIVING LOG	⊙	4x 10 cm	⊙	2x ●	⊙	⊙	⊙	●	●	●	⊙	⊙	⊙
Mobarrow® TOWING VEHICLE	⊙	16 cm	⊙	●	⊙	∅ 32 - 98	⊙	●	●	●	⊙	⊙	⊙
Mobarrow® EQUERRY	⊙	2x 16 cm	⊙	●	⊙	∅ 40 - 98	⊙	●	●	●	⊙	⊙	⊙
Mobarrow® HERKULES	⊙	16 cm	⊙	⊙	●	∅ 32 - 77	⊙	●	●	●	⊙	⊙	⊙



MOBARROW® STANDARD

Basic model of a motor barrow
with 100l galvanized bin

Option:
with 80, 120, 200 l plastic bin
or barrow bed

All bins and extensions are interchangeable.
The exchange takes 3-4 minutes.

Pavel assembles gearboxes to Mobarrow.

Technical description:

Maximal load: 150 kg

Motor power/voltage: 250 W / 12 V

Recuperation: When traveling downhill the Mobarrow's brake can recover and store energy in its battery
Panasonic AGM battery 12 V / 22 Ah- 450 charging cycles, developed for electrical vehicles

Working time: 5 to 6 hours of common work

Highest vertical barrier approx. 20 cm

Maximum climb: 70 %

Travel speed: one gear, 3,0 - 4,2 km/h according to slope and load

Weight: 28 kg

Separate electric brake: No, reverse: No, continuous forward and reverse drive control: NO

Recuperation: YES, motor braking: YES, parking brake: NO

But everything possible on request

Dimensions:

Frame dimensions: length 170 cm, internal width 58 cm

Bin dimensions: depend on your choice of bin

Bins are removable and exchangeable

Tire thick 10 cm with 20 mm deep tread pattern



The Mobarrow POWER is equipped with a 100 l galvanized body with a thickness of 1mm and a motor with a power of 300 W (this motor is four-pole and has about 50% more torque than the 250 W motor in Standard model).

Tire
thick 16 cm with 20 mm deep tractor tread. (75 Nm on output from gearbox)

MOBARROW® POWER

Technical description:

Maximum load: 180 kg
Motor output /voltage: 300 W / 12 V
With a torque 50% higher than the Standard type
Recuperation: When traveling downhill the Mobarrow's brake can recover and store energy in its battery

Other parameters identical to Mobarrow Standard

Separate electric brake: YES, reverse: NO,
Continuous forward and reverse drive control: NO
Recuperation: YES, motor braking: YES,
parking brake: NO
But everything possible on request



Mobarrow Extra Power is the highest development line of classic one or three-wheel Mobarrows. Highly rated power electronics allows continuous speed control (stepless on right handle) forward and reverse, as well as continuous braking with the electric brake.

MOBARROW® EXTRA POWER

Technical description:

Motor output /voltage: 300 W / 12 V
100 l galvanized body with a thickness of 1mm
Continuous forward and reverse speed control
and a wide tire 16 cm
Maximum load: 180 kg
Separate electric brake: YES
Reverse: YES
Continuous forward and reverse speed control: YES
Recuperation: YES, motor braking: YES,
parking brake: NO

Other parameters identical to Mobarrow Power

Marek is working on the gearbox ring.



MOBARROW® SOFT

Model Soft - motor wheelbarrow with same frame design as Mobarrow Standard but with smaller volume 80L bin and bright yellow paint.



MOBARROW® (CLASSICAL MOTORIZED BARROW)

Barrow extension is different, but the other other parameters are the same. Barrow bed dimensions: width 59 cm, length 112 cm, weight 9 kg. Barrow bed is exchangeable.



This is the strongest model of Mobarrow. This model is equipped with a motor with a nominal power of 400 W, 100 l galvanized body with a thickness of 1 mm, a wide tire, of course with continuous regulation and reverse. As the strongest model, it can handle any terrain...

MOBARROW® HERKULES

Technical description:

Maximum load: 180 kg

Motor output /voltage: 400 W, 12 V

Battery: Lead PANASONIC, type AGM (acid in a glass mat); 12 V/ 22 Ah.

Bin and frame identical to Mobarrow Power

Superstructure / Hull: removable

Tire: arrow pattern,

Inner tube, width 16 cm

Weight: 34 kg

Marta assembling the drive controls, thanks to device 15.



The large cargo space of the 550 l plastic bin allows you to carry loads like hay, straw, greenery, compound feed, bio-waste, manure or compost. Transport platform is also suitable for rugged terrain. The bin can be removed to create a barrow extension.



Mechanization of Mobarrow



Jumbo Double (2x4 drive) is the best equipped type of Mobarrow with load capacity 400 - 500 kg.

MOBARROW® JUMBO

Three-wheeled, driven front wheel

Maximum load: 200 kg

Motor power: 300 W / 12 V

Recuperation: When traveling downhill the Mobarrow's brake can recover and store energy in its battery

Energy parameters the same as Mobarrow Power

Separate electric brake: Yes, reverse: NO,

Continuous forward and reverse speed control: NO

Recuperation: YES, motor braking: YES, parking brake: YES

But everything possible on request

Weight: 36 kg

Dimensions:

Outdoor dimensions: width: 225 cm, length 92 cm, high 88 cm, lightness: 19 cm

Bin: easily removable, plastic, volume 550 l

Tires: front 20 mm deep arrow pattern, diameter 40 cm, width 16 cm, with tube; the backs have a diameter of 40 cm, a width of 10 cm, with tube

MOBARROW® JUMBO DOUBLE

Four-wheeled, driven front wheels

Maximum load: 400 kg in the field and 500 kg on the road

Motor power: 2 x 300 W / 12 V

Battery: 2x PANASONIC AGM lead 12 V / 22 Ah (450 charging cycles),

Working time: 5 to 6 hours of common work

Weight: 44 kg

Dimensions:

Dimensions: clearance 19 cm

Bin: easily removable, plastic, volume 550 l

Tires: front 20 mm deep arrow pattern, diameter 40 cm, width 16 cm, with tube; the backs have a diameter of 40 cm, a width of 10 cm, with tube

Separate electric brake: YES, reverse: YES

Continuous forward and reverse speed control: YES

Recuperation: YES, motor braking: YES, parking brake: YES

Final assembly of Mobarrow Standard by Lukáš.

Large load space optimal for transport of crates, barrels or boxes. The transport platform is also suitable for rugged terrain.



Mechanization of Mobarrow

The transport platform City Clean two-storey is a longer version of the standard City Clean, it is also three-wheeled and has a classic Mobarrow drive with a wide wheel (16 cm). It is possible to load on platform everything, what does not fit into the classic Mobarrow bin. It is also suitable for rugged terrain and easy to climb a steep hill. The travel control is located on the handle as well as on the Mobarrow.



MOBARROW® CITY CLEAN

Three-wheeled, driven front wheel

Max. load: 200 kg

Motor power: 300 W/ 12 V

Recuperation: When traveling downhill the Mobarrow's brake can recover and store energy in its battery

Tire: front : dia 40 cm, width 16 cm with 20 mm deep tractor tread

Rear: dia. 32 cm, width 10 cm

Weight: 30 till 32 Kg

Separate electric brake: NO, reverse: NO, Continuous forward and reverse drive control: NO

Recuperation: YES, motor braking: YES, parking brake: YES

Everything is possible on request

Dimensions:

Long version Dimension of loading space: 65 x 82 cm (width x length)

External dimension: 66 x 195 x 94 cm (width x length x high)

Short version Dimension of loading space: 65 x 65 cm (width x length)

External dimension: 66 x 175 x 94 cm (width x length x high)

MOBARROW® CITY CLEAN TWO-STOREY

Motor power: 300 W, 12 V

Energy parameters the same as Mobarrow Power

Travel speed: one gear and automatically adjusting between 3,2-4,5 km/h

Dimensions of storage space lower part: 65 x 90 cm (width x length)

Dimensions of the upper storage space: 65x 160 (width x length)

External dimensions of the whole device: 66 x 220 x 94 cm (width x length x h.)

Additional wheel decision: 78 cm (external rate)

Diameter of additional wheels: 32 cm

Tire width: 16 cm

Max. load: 200 kg, lightness: 11 cm

Weight: 42 kg, tool holder: Yes

Separate electric brake: NO, reverse: NO,

Continuous forward and reverse drive control: NO

Recuperation: YES, motor braking: YES, parking brake: YES

Everything is possible on request

Eliška takes care of a final control of all Mobarrows.

Motor wheel model with a larger loading area. The wider spacing of the support legs ensures better stability. Longer handles reduce the force required to lift and hold by about 15%. Shorter webs increase the passability through the forest.



MOBARROW® (LARGE MOTORIZED BARROW)

Maximum load: 180 kg

Energy parameters the same as Mobarrow Power

Separate electric brake: NO, reverse: NO, Continuous forward and reverse drive control: NO

Recuperation: YES, motor braking: YES, parking brake: NO

Weight: 33 kg

Special = body is not replaceable

MOBARROW® NURSE

Our new Mobarrow nurse finds employment mainly in health care facilities, where greatly facilitates work

This model is a power-driven, stepper motor-driven and wireless All-In-One Joystick-operated tow wheel that attaches to a hospital bed in a simple electromechanical manner. The drive wheel with electric motor ensures comfortable handling of the bed indoors and, if necessary, outdoors.



Mechanization of Mobarrow

It is used for short transport of trailers, especially in places where is limited maneuverability.



TOWING VEHICLE

Maximum weight on the ball: 200 kg

Energy parameters the same as Mobarrow Power

Safety belly button STOP with half-second reversal

Separate electric brake: YES, reverse: YES

Continuous forward and reverse drive control: YES

Weight: 25 kg

Dimensions:

width: 70 cm, height: 103 cm

HOIST

Tripod with adjustable length for hoisting loads up to one ton.

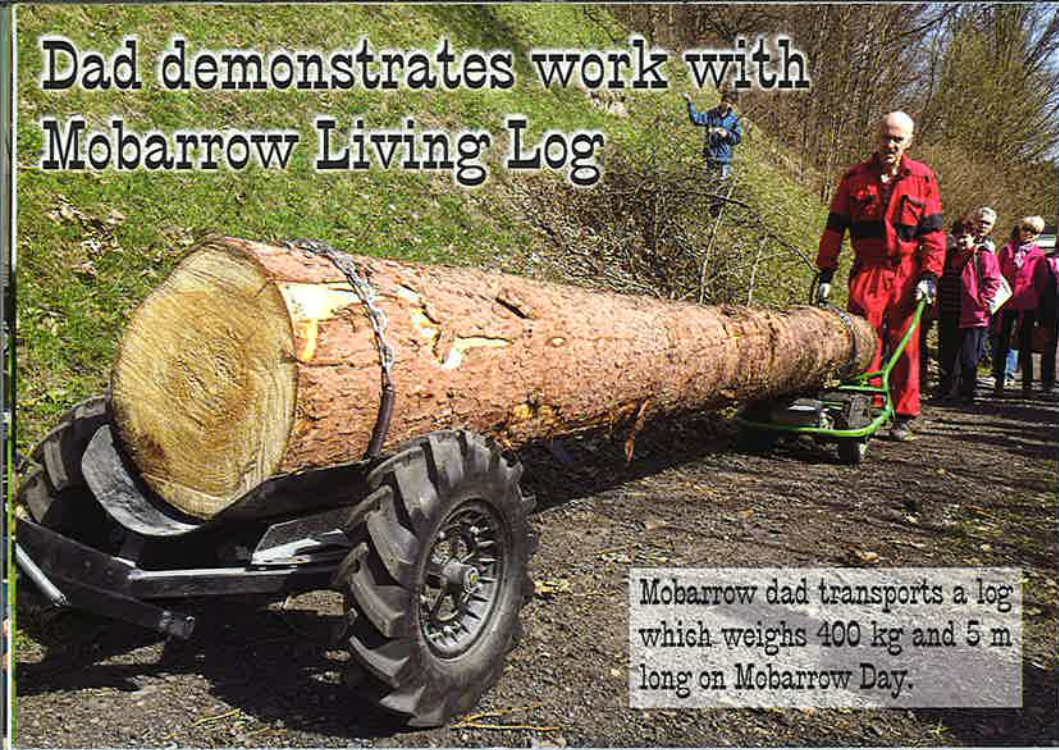
Dimensions:

The maximum height of the hook above the ground without the extensions is 1350 mm and with 1780 mm. The length of the leg-shaped triangle without extensions is 1880 mm and with 2325 mm. The working stroke is 1500 mm



Our developer Pavel during a practical test. It is loaded 350 kg in iron.

Dad demonstrates work with Mobarrow Living Log



Mobarrow dad transports a log which weighs 400 kg and 5 m long on Mobarrow Day.



The whole Mobarrow team participates in practical field tests. Now when loading logs weighing 350 kg and 4.5 m long.

HAND-FOUR CENTS LIFTING KIT

It consists of a light folding stand and a light winch with a force of 11,000 N. The winch can be used separately for other purposes. The maximum load is 400 kg.

Mobarrow Living log can transport logs of any length, diameter up to 65 cm and up to a total weight of 800 kg.



Workers do not believe how easily they can take a log weighing almost half a ton out of the forest!

MOBARROW® LIVING LOG

2 x 4 drive (=main trolley has two independently driven wheels 2x 300 W, four-pole motor) with continuous forward / reverse speed and electric brake. The main trolley has a continuously rotating axle. The auxiliary trolley is pulled or pushed according to the direction of movement and its axle can be rotated continuously (in this case two people operate Motúčko) or in fixed increments (when one person works with Motúčko). This method ensures that you can maneuver the log within a dense forest. As part of Mobarrow Living Log, we recommend the Hand-Four Cents Lifting Kit, which consists of a light folding stand and a light winch with a force of 11,000 N. The winch can be used separately for other purposes. For its own transport, it is pulled to each independent trolley by a belt with a quick-release lock.



Mobarrow uncle Milan shows customers a ride across the test ramp!

Pictures from tests and use in practice...



"Mobarrow is our idea, utility model, development and production. It has passed and constantly has been undergoing hardest tests. We produce it with a huge emphasis on quality. We don't have a single performance complaint for more than 30 000 pieces of sold Mobarrows - that is, someone would complain that he had been fooled."



Our quality motto is:

The Mobarrow will be inherited from father to son and from grandfather to grandson!

ACCESSORIES AND TOOLS

Depending on type or wish, discrete or continuous electric brake/ Continuous speed control
FORWARD and REVERSE, hot-dip galvanized frame and many other useful accessories/possibilities.

FRONT TOOLS...

ADJUSTABLE SNOW
PLOW ARROW-STRAIGHT



SNOW
PLOW

SNOW
PLOW



UNIVERSAL FRONT
TOOL HOLDER



TOWING
HITCH



WINCH
15 m and 30 m



BRAVO MOBARROW®

More than electrically powered wheelbarrow!



TRIGLAV
BANTAM
ø 32 cm,
width 9 cm



LAWNSPIKE



Powered tools...
carried
in front



ROTARY
WEEDER

BRUSH



FROND
LAWNSPIKE



FORK
HERKULES



ROLLER



ASH BIN HOLDER



INTERCHANGEABLE
BINS



PLASTIC 80, 120, 200 L



ZINC 100 L

BARROW BED
(BARROW EXTENSION)



RAKE



REAR
TOOLS...

All bins are interchangeable...





UNIVERSAL FRONT TOOL HOLDER

The Uni - holder joins all front accessories to Mobarrow. It can stay on Mobarrow permanently and any accessory is clamped in seconds.



WINCH

Steel string dia 3 mm
length 15 m or 30 m,
pulling force 200 kg.



FORK HERKULES

The Fork is for transporting of bulky objects. Loan is picked up with help of handles, which multiply your personal power three times. Dimensions: length of fork: 50 cm, width: 53 cm, maximum loan weight 90 kg.

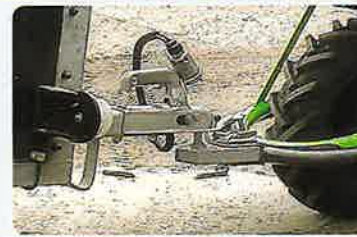


PLOUGH

Plough is unavoidable in the field. You can easily set the required width and depth of the furrow



TOWING HITCH
for connecting of trailer



SNOW PLOUGH - THREE SIDE

It cleans 20 cm of wet snow. Good idea is to combine Snow Plough with Snow Chain. Dimensions: width: 65 cm,



LAWNSPIKE

The rotation is derived from the motion of Mobarrow. Piercing into the adjustable depth 0 - 2,5 cm.



RAKE ,

With rake work is approx. 6x faster than manual. The rake has wipers and three degrees of compressive force. Wide of rake is 90 cm.



TRIGLAV - REAR WHEELS

Additional wheels mounted on revolving arms just like in automotive. Correct Ackerman's angle is set, each wheel follows its own archway in the curve. Two spring bumpers limit oscillation in terrain. The set is completely glow zinc coated and completed with parking brake. Easily to be mounted on or de-mounted in less than two minutes.

Technical description:

Tire: bantam dia 32 cm, width 10 cm, external gauge of Triglav: 78 cm.

The folding frame can be selected for each Mobarrow



FOLDING FRAME MOBARROW®

Simply put the frame in the trunk of car. Folding takes just a few seconds and in working condition is as strong as standard frame.

Bins - Rough



PLASTIC BINS

80 l, 120 l and 200 l

Bins are made of glass fiber reinforced polypropylene so they are resistant to the rough handling, aggressive materials and all weather conditions. We neither saw nor heard of any broken bin.



ZINC COATED BINS 100 l

thickness of sheet metal is 0,8 or 1 mm

All bins and rough are mutually exchangeable. Exchange takes 3 to 4 minutes.



BARROW EXTENSION

Barrow extension is universally exchangeable and is especially suitable for one to two meter long log transport even in dense forest.

Accessories

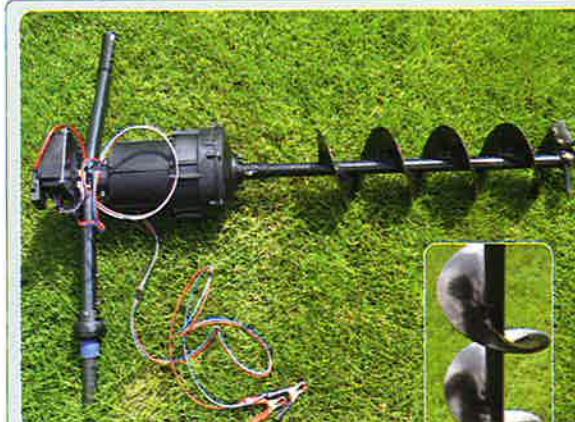


TOOL HOLDER - HANDS FREE

The holder clamps tool like rake, shovel and many others with different handle diameters.

SNOW CHAINS

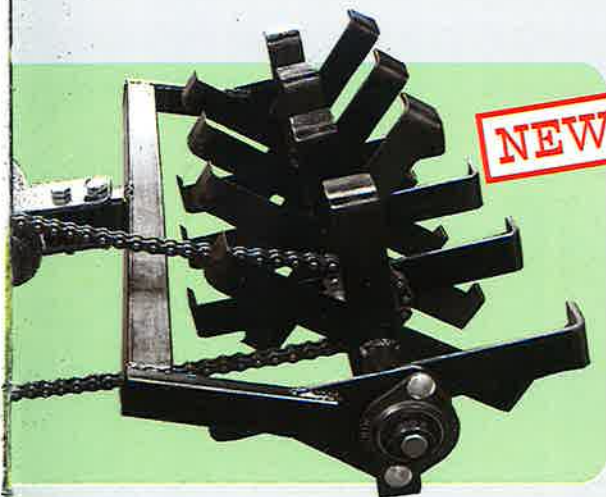
Snow chains wide 10 cm or 16 cm make traction considerably better in a wood, mood, snow or on ice.



EARTH DRILL

Environmentally friendly, zero emissions, quiet - and will still drill holes 100 - 200 mm diameter and 60 cm deep.





ROTARY WEEDER

It is the first accessory that has a drive independent of the speed of the travel wheel. It is powered by the Mobarrow motor via a chain drive to a fast 5:1. When working, it is necessary to turn the Mobarrow freewheel to the OFF position, the Mobarrow travel is then manual at any speed and the motor power is transferred to the Hoe, or other driven front accessories (sweeping brush, front lawnspike, etc.)



FRONT LAWN SPIKE

It is a front-powered accessory, connected in the same way as the Rotary Weeder. It has the same features as the rear lawnspike, but is located in the front and is also powered.



SWEEPING BRUSH

The front driven accessories, the bristles of the brush form a helix and when sweeping the brush sweeps to one side and creates a row

BIN FOR BEEKEEPERS I.

It is designed for transporting an extension or box 50x50 cm (superstructure has a surface dimension (2x50) x 50 cm.

BIN FOR BEEKEEPERS II.

The extension for beekeepers in the shape of a frame can be fastened with screws to the Mobarrow frame in the same way as bin or other extensions. the extension is fastened with three screws and replaced with a bin for 3 minutes.

Dimension of one hole: 50 x 50 cm, can be ordered to measure.



SUBMERSIBLE PUMP WITH HANDLE

The pump is perfect for watering of gardens, lawns and trees with rain water. Pump is connected by a cable and battery clamps to Mobarrow 12 V battery (pump is supplied with cable and clamps).



FLOW PUMP

The pump is excellent for irrigation gardens, flower beds and trees with rainwater.
Power of Pump: 12 V / consumption to 10 A
Displacement: 6 m
Flow: max. 30 l/min, (1,8 m³/hour)
Length of cable: 5 m



CHARGER

Input: 240 V / 50 Hz, nominal output: 12 V / 4 A - automatically adjusted according to battery need. Charging time: about 4 hours. Both voltage and current are followed and controlled by smart microprocessor during the charging process.

SMART CHARGER

An intelligent 12 V charger, the main advantage of which is the ability to revive deeply discharged and sulphated AGM batteries using the Repair functions. Charger designed for LEAD-ACID / AGM / GEL / WET OR DRY / VRLA batteries with 3 charging levels. Other functions of the charger include protection against overheating, overvoltage protection, small dimensions, automatic fast charging, etc. The screen shows the voltage, current, current temperature, battery charge in real time and all in a clear way. Automatic charging protects your battery from overcharging, so you can leave and leave the charger on for as long as you want.



BRAVO

Welcome to the club Mobarrow !

I use my Mobarrow most days at home in our large garden and also in the forest . I have shifted tens of tons of soil , rocks and timber of all sizes...

Kvido Stepanek 😊

Isolit-Bravo, spol. s r. o.

e-mail: stepanek@isolit-bravo.cz

mobile: +420 602 453 157

www.mobarrow.cz

www.facebook.com/motucko f

Dad doesn't have to work like a horse anymore. He's got his Mobarrow now! 😊



Jumbo Double loaded with 450 kg of wood.



Mobarrow father transports rocks to a rock garden (weight 140 kg).



Export of meter wood weighing 160 kg to the storage on hill.

WHAT AWAITS US IN 2020? WHAT ARE WE DEVELOPING?

MOBARROW® ROTARY WEEDER

It is the first accessory that has a drive independent of the speed of the travel wheel. It is powered by the Mobarrow motor via a chain drive to a fast 5:1. When working, it is necessary to turn the Mobarrow freewheel to the OFF position, the Mobarrow travel is then manual at any speed and the motor power is transferred to the Hoe, or other driven front accessories (sweeping brush, front lawnspike, etc.)



MOBARROW® RUDL

We are preparing a new mechanization for you called Mobarrow (Rudl). The main advantage will be a high load capacity of up to 350 kg, easy handling in a small space, the possibility of smooth forward and reverse travel.



Rosta tests E-rudl in a warehouse weighing 80 kg.

MOBARROW® EQUERRY

It excels in toughness and easy travel through difficult terrain. The four-wheel design, low center of gravity, track and wheelbase guarantee very good stability. It is excellent wherever it is necessary to transport larger volumes of material at once than the classic Motůčka could handle, and it adds the advantage of powered tipping.



Drive: 2x4

MOBARROW IS ALSO DOING WELL ABROAD



WHERE TO FIND US:

Germany	Austria
Italy	Slovenia
France	Spain
Belgium	Sweden
Denmark	Switzerland
Finland	England
Norway	Slovakia
Poland	Australia
Portugal	Argentina
Lithuania	Chile



www.mobarrow.cz

www.motokarre.com

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Dad Mobarrow advises:



What is difference between Mobarrow Standard and Power?

I worked with Mobarrow Standard a lot and during the whole time I claim that I did not find a hill (possible for a man to walk up), which the standard Mobarrow would not go up with 70 kg load. In the technique competition at Europe's steepest vineyards on the Mosel River, we carried uphill a 130 kg organizer uphill with a Standard - when the terrain was too difficult for walking so we pulled him up with the Mobarrow winch. It is similar with cars. With the standard model, you can drive every asphalt road, but people like often buy more powerful cars that have better acceleration. Although the Power difference between Mobarrow Standard and Power models is only 50 W more, the four pole motor increases the torque by 50%. Extra Power model has the same 4-pole motor like the Power model.

Is the charger included in delivery of Mobarrow?

The charger is not included in delivery, because you can also use a quality car battery charger that you may already have at home. However, if you are using different charger than ours, it must have the following parameters:

- terminal voltage 14,8 to 15 V
- charging current with a maximum limit of 8.5 A
- automatic switching to battery maintenance mode

The Bravo charger, which is available in the Accessories section, has these parameters and many other protections. It is a smart charger and will ensure you not only, but also the car and all other 12 V batteries.



Mobarrow always has great interest at exhibitions.

How is the speed controlled on the Mobarrow models?

Mobarrow Extra Power and Jumbo Double have a continual forward and reverse speed control and integrated continuous electric brake. Continuous control is solved by power transistors and is the most advanced way of regulation. The switches and lever are robust and covered, and suitable for heavy duty use. This smooth regulation can be ordered for all types of Mobarrow, instead of the basic On - Off control specification.

Are the rear wheels Triglav of benefit to me?

My answer is: for sure! I personally use them at home and they make things much easier for me. My lumbar spine is, according to doctors, "miserable" and with Triglav. I do not carry any weight it. The Mobarrow is great and Triglav is even better. In practice, I have found two situations, where Triglav does not fit well, namely:

- If you drive along the level line of a steep hill on a narrow or sloping track
- If you drive through the forest with dense tree stumps.

In the above situations you can temporarily take off Triglav - it takes max. two minutes.

Do you develop, or sleep?

Farther says; we don't sleep but we try to continuously develop. After all, our vision is that... Mobarrow has its best times still to come. It will be like it is our belief that a Mobarrow around the home, or workplace will be as common as a battery screw driver and drill: Who doesn't have at least one of these tools at home today? At the same time, we welcome all your ideas (including crazy ones) and experience! I personally consider Jumbo Double and Mobarrow Living Balk to be very successful.



Mobarrow father brought wood for the whole winter effortlessly.



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If you have a garden or a piece of land or forest, then Mobarrow will save you many-times more, then it costs. With each type enlisted in this catalog I in person transported tenths of tons of earth, stones wood and other needed materials.

I know what I am talking about.

Kvido Stepanek

Maborrow's Dad. 😊

BRAVO Isolit-Bravo, spol. s r.o.,

Jablonské nábřeží 305

CZ-561 64 Jablonné nad Orlicí

tel.: 00420 607 035 153



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