

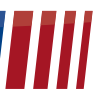
**4f**   
MASCHINENTECHNIK



**YOUR RELIABLE PARTNER FOR ALL SEASONS**

**LIMPAR<sup>®</sup>**

**SWEEPING MACHINES // SCARIFIERS // WEED BRUSHES // MANURE SCRAPERS**







## EVERYTHING AT A GLANCE

### Complete overview

#### Sweeping machines for year-round use

Limpar 67 .....	04
Limpar 72 .....	05
Limpar 74 Switch .....	06
Limpar 78 .....	07
Limpar 81 .....	08
Limpar 82 Vario .....	09
Limpar 102 .....	10
Limpar 122 .....	11
Limpar 84 Pro .....	12
Limpar 104 Pro .....	13
Limpar 124 Pro .....	14
Accessories for sweeping machines .....	13

#### Brush cutter for meadows and scrub

Limpar HG 55 .....	18
Limpar HG 65 .....	19

#### Attachments for lawn tractors

Attachment sweeping machine Compact .....	17
Snow blade Compact .....	17

#### Devices for the garden

Limpar scarifier V40 .....	16
Limpar scarifier V50 .....	16

#### The experts for problem zones

Limpar radial petrol / radial battery powered .....	20
---	----

#### Manure scraper for the barn / accessories for single-axle machines

Limpar SP 92 petrol / Limpar SP 94 battery powered .....	21
Accessories for single-axle machines .....	21

#### The alternatives to the combustion engine

Limpar battery 26 / battery 52 .....	22
Limpar battery 26 with side brush .....	22

#### The ecological variant / Limpar Weed Line

Limpar weed brush WD 70 .....	23
Limpar weed brush Turbo IV .....	24
Limpar weed brush Taifun II .....	25
Limpar weed burner WKB400 / WKB750 .....	26/27
Limpar 74 Switch .....	28

Technical data .....	29/30/31
----------------------	----------





## INFORMATION ABOUT THE COMPANY

### **THE COMPANY**

#### **Development and manufacturing directly on site**

Our company, founded in 1996, and based in Rehden, Germany, not only manufactures axial and radial sweeping machines in work widths from 70 - 120 cm, but also attachment sweeping machines for single-axle machines and lawn tractors, scarifiers, snow blades for winter service and special devices. For the most part, the machines can either be equipped with rechargeable battery or with modern, high-performance combustion motors from Honda, Kohler or Briggs & Stratton.

The extensive product range is rounded off with a wide range of accessories, which includes the plastic sweepings collector, as well as water spray devices, snow blades or snow chains.



### **OUR CONVICTION**

#### **A single source for know-how and quality**

We develop and manufacture all products ourselves in-house.

A single source for know-how and quality.

Short decision processes enable us to respond quickly at any time to improvements or customer requests.

We continuously and consistently work on maintaining the high quality of our products.

Consequently, you are purchasing a technically mature product from 4F, functional, solid, reliable and with a long service life.

## LIMPAR 67/72/78/81

### Compact, handy, manoeuvrable and operator-friendly

These entry-level models are ideal for private use around the house and yard. Whether spring cleaning, removing autumn leaves or winter work – for any season and for any purpose the appropriate accessories are available, such as sweepings container, snow blade, snow chains or other types of brushes. This allows even the most demanding caretakers to easily and professionally perform their cleaning tasks.

The sweeper brushes are powered from the centre – this enables sweeping right up to the wall, also in conjunction with a stable plastic sweepings collector. In this regard, brush pressure is variably adjustable and the brushes can pivot in different lock positions. You can conveniently adapt the handlebar to your height (Limpar 72/78). Brushes and drive mechanism can be switched separately.

## LIMPAR 67

### DETAILS LIMPAR 67

- 70 cm work width
- Compact, handy, manoeuvrable
- Sweeper brushes with 8 rows of bristles
- Traction drive via 1-gear oil bath gearbox
- Choose from the following motors:
  - Honda GCVx 170 OHV
  - Rato RVM 120



#### SWEEPINGS COLLECTOR

This robust plastic container collects your sweepings and facilitates disposal.

Safety switch

Sweeps right up to the wall

Holder for sweepings collector or snow blade





## LIMPAR 72

### DETAILS LIMPAR 72

- 70 cm work width
- Compact, handy, manoeuvrable
- Sweeper brushes with 10 rows of bristles
- 3-level handlebar height adjustment
- Variable brush height adjustment
- Traction drive via 1-gear oil bath gearbox
- Folding handlebar
- 360° freewheel drive
- Choose from the following motors:
  - Briggs & Stratton 675 IS - InStart
  - Honda GCVx 170 OHV



360° FREEWHEEL DRIVE



CENTRAL BRUSH HEIGHT ADJUSTMENT



### LIMPAR 72

## Optimum flexibility

Thanks to the compact design the machine is extremely manoeuvrable and in conjunction with the 360° freewheel drive, obstructions can be easily moved over and perfect about-turns can be executed. Space-saving storage and easy transport are ensured through the folding handlebar.

Central brush height adjustment

Brush lateral adjustment

Safety operating lever made of high-strength plastic

Suspension element for accessories

Highly elastic sweeping brush cover



## **LIMPAR 74 „Switch“**

### **The multi-purpose machine**

All work can be done quickly and easily with the Limpar 74 „Switch“. A quick-release fastener allows either a sweeping brush or a weed brush to be mounted or replaced on the basic unit in just a few simple steps. Powered by a Honda GCVx 170 OHV engine, the machine offers combined cleaning; first weed control followed by sweepings removal. The Limpar 74 „Switch“ also has a 3-speed drive and is extremely handy and maneuverable due to its compact design. You can conveniently adapt the handlebar to your height. The travel and tool drives can be conveniently switched separately from the handlebar. Sweeping along the wall due to the central brush drive.



## **LIMPAR 74 „Switch“**

### **DETAILS** LIMPAR 74 - Sweeper

- 70 cm work width
- Sweeper brushes with 10 rows of bristles
- Brush can be pivoted in 3 stages
- Quick release system for the attachment
- 2 height-adjustable support wheels
- 360° freewheel drive
- Honda GCVx 170 OHV motor



**BASIC UNIT**



**ATTACHMENT SWEEPER**



**ATTACHMENT WEED BRUSH**



## LIMPAR 78

### Simply convenient

Carefully thought-out details, proven in practice that meet a wide variety of work requirements, such as the ergonomically shaped handlebar for comfortable work or the highly elastic sweeping brush cover for easy sweeping right up to the sides of the house or walls.

## LIMPAR 78

### DETAILS LIMPAR 78

- 80 cm work width
- Sweeper brushes with 10 rows of bristles
- 33 cm brush diameter
- Traction drive via 1-gear oil bath gearbox
- 2 brush speeds
- 360° freewheel drive ■

Choose from the following motors:

- Briggs & Stratton 675 IS - InStart
- Honda GCVx 170 OHV



### ACCESSORIES

Extend your equipment, for example, with a snow blade and / or snow chains.



### SWEEPING BRUSH COVER

## **LIMPAR 81**

### **A maximum of efficiency**

The large working width of 80 cm in conjunction with the compact design, 360° free-wheel drive and the 3 forward gears ensure maximum effectiveness. Whether spring cleaning, removing autumn leaves or winter work – for any season and for any purpose the appropriate accessories are available, such as sweepings container, snow blade, snow chains or other types of brushes. This allows even the most demanding caretakers to easily and professionally perform their cleaning tasks.

The sweeper brushes are powered from the centre – this enables sweeping right up to the wall, also in conjunction with a stable plastic sweepings container. In this regard, brush pressure is variably adjustable and the brushes can pivot in different lock positions. You can conveniently adapt the handlebar to your height .

## **LIMPAR 81**

### **DETAILS LIMPAR 81**

- 80 cm work width
- Compact, handy, manoeuvrable
- 3 drive speeds
- 1 brush speed
- Central brush height adjustment
- Brush can be pivoted in 3 stages
- Foldable handlebar with height adjustment
- Sweeps right up to the wall
- 360° freewheel drive
- Choose from the following motors:
  - Briggs & Stratton 675 IS - InStart
  - Honda GCVx 170 OHV





**LIMPAR 82 Vario/102/122****Veritable wonders of durability**

These stable and compact sweeping machines (all with 360° freewheel drive) are built for sweeping long distances and larger areas.

Their outstanding characteristics are high capacity and versatile implementation. These machines have high power reserves and are powered by modern, environmentally-friendly 4-stroke motors. These characteristics also pay off in harsh winter deployment.

**Strong details for professional use:**

- Stable, unbreakable operating elements
- Wheels with pneumatic tyres for damping and comfortable cushioning
- Weather-resistant rims in conjunction with 360° freewheel drive
- Protection against corrosion through phosphating and high-quality powder coating
- Convenient, toolless handlebar height adjustment in many positions

**LIMPAR 82 Vario****DETAILS LIMPAR 82 VARIO**

- 80 cm work width
- 3 drive speeds
- 1 brush speed
- Central brush height adjustment
- Brush can be pivoted in 5 stages
- 33 cm brush diameter
- Sweeps right up to the wall
- Choose from the following motors:
  - Briggs & Stratton
  - Briggs & Stratton 675 IS - InStart
  - Honda GCVx 170 OHV
  - Honda GXV 160 OHV

**LIMPAR 82 VARIO FOLDED**

Folds in easily and thus saves a lot of space.

**WATER SPRAY DEVICE**

## LIMPAR 102

### Strong in every discipline

Save a lot of time and effort. For daily use, for any kind of weather, and in every situation.

Our machines are designed for durability and endurance from top to bottom. Quality down to the smallest detail.



## LIMPAR 102

### DETAILS LIMPAR 102

- 100 cm work width
- 5 drive speeds
- 5 brush speeds
- Central brush height adjustment
- Brush can be pivoted in 5 stages
- 33 cm brush diameter
- Sweeps right up to the wall
- Choose from the following motors:
  - Briggs & Stratton
  - Honda GXV 160 OHV



**CENTRAL HANDLEBAR  
HEIGHT ADJUSTMENT**



### **SWEEPINGS COLLECTOR**

This robust plastic container collects your sweepings and facilitates disposal.



## LIMPAR 122

### DETAILS LIMPAR 122

- 120 cm work width
- 5 drive speeds
- 5 brush speeds
- Central brush height adjustment
- Brush can be pivoted in 5 stages
- 33 cm brush diameter
- Sweeps right up to the wall
- Choose from the following motors:
  - Briggs & Stratton
  - Honda GXV 160 OHV



### LIMPAR Accessories We extend your possibilities

Your satisfaction is important to us. Consequently, we offer an extensive range of accessories that facilitate work in any season and in any weather



**PLASTIC SWEEPINGS COLLECTOR**



**AGRICULTURAL TREAD PROFILED WHEELS**



**BRUSHES**



**SNOW BLADE**



**SNOW CHAINS**

## LIMPAR 84 Pro

### DETAILS LIMPAR 84 PRO

- 80 cm work width
- 3 forward gears / 1 reverse gear
- 3 brush speeds
- Central brush height adjustment
- Brush can be pivoted in 5 stages
- 40 cm brush diameter
- Sweeps right up to the wall
- Choose from the following motors:
  - Briggs & Stratton
  - Honda GCVx 170 OHV
  - Honda GXV 160 OHV



Optional: disk brushes

### LIMPAR 84/104/124 Pro

## Powerful and durable

This is the entry into the professional class. These sweeping machines work reliably and are constant even under extreme loads, and are designed for a long service life.

#### Strong details for professional use:

- Reinforced wheel drive
- Stable, user-friendly operating elements
- Pneumatic tyre support wheels with steel rim
- Large wheel diameter 15 x 6.00 - 6
- Compact design with balanced weight distribution
- Weather resistant + highly elastic plastic elements
- Toolless handlebar height adjustment
- Large brush diameter 40 cm
- Protection against corrosion through phosphating and high-quality powder coating



## LIMPAR 104 Pro

### DETAILS LIMPAR 104 PRO

- 100 cm work width
- 5 forward gears / 1 reverse gear
- 5 brush speeds
- Central brush height adjustment
- Brush can be pivoted in 5 stages
- 40 cm brush diameter
- Sweeps right up to the wall
- Choose from the following motors:
  - Briggs & Stratton
  - Honda GXV 160 OHV



**CENTRAL HANDLEBAR  
HEIGHT ADJUSTMENT**



**40 CM BRUSH DIAMETER**

## LIMPAR 124 Pro

### DETAILS LIMPAR 124 PRO

- 120 cm work width
- 5 forward gears / 1 reverse gear
- 5 brush speeds
- Central brush height adjustment
- Brush can be pivoted in 5 stages
- 40 cm brush diameter
- Sweeps right up to the wall
- Honda GXV 160 OHV ,otor





- EASY HANDLING*
- COMPACT DESIGN*
- STRONG PERFORMANCE*
- DURABLE*





## LIMPAR Scarifier V40/V50

### A strong helper for lawn care tasks

A beautiful, green lawn requires special care. In addition to mowing, in particular, regular scarifying is required. Our scarifiers free the turf of weeds, moss and lawn thatch, so that water and nutrients can again get to the roots. With their hardened blades they chop the flat-growing weeds, comb out the moss and gently loosen the soil so that fertiliser and nutrients can again get to the roots.

The lawn is gently maintained and will soon be a luxuriant green again.

The V40 and V50 have a stable, robust and torsion-free housing with hardened blades for long satisfaction with your device, steel rim tyres with ball bearings, and they are driven by powerful motors – ideal for professional use in harsh conditions or for the demanding user.

## LIMPAR V40

### DETAILS LIMPAR V40

- 40 cm work width
- Stationary or flying blades
- Variable height adjustment
- Honda GP 160 OHV motor

## LIMPAR V50

### DETAILS LIMPAR V50

- 50 cm work width
- Stationary or flying blades
- Variable height adjustment
- Honda GP 160 OHV motor





## **LIMPAR** Attachment sweeping machine Compact Easily equipped for a variety of purposes

Extend the application possibilities of your lawn tractor with different attachments for the all-season machine. Combined with our toolless quick-change system, convert your lawn tractor into a sweeping machine with minimal effort. All operating elements can be easily reached from the driver seat. Brush drive switches on automatically when lowering the attachment sweeping machine. The toolless quick-change system is partially integrated in the attachment frame. Thus projections in front of the lawn tractor are avoided and the attachment frame protects the front of the tractor against damage. Thanks to the toolless quick-change system the attachments can be coupled or uncoupled with minimal effort.

## **LIMPAR** Attachment sweeping machine Compact

### **DETAILS** LIMPAR ATTACHMENT SWEEPING MACHINE COMPACT

- 120 cm work width
- Fast attachment and removal
- 33 cm brush diameter
- Can be pivoted by the operator
- Short front-end projection – high manoeuvrability
- Central brush height adjustment
- Fast and easy installation
- Switch-on / switch-off from the driver seat
- Mounting option for many models
  - Details on request



### **SNOW BLADES**

With the snow blade Compact, you extend your lawn tractor to a clearing vehicle for snow removal or other application possibilities. Thanks to the quick-change system, it only takes you two steps to couple or uncouple the snow blade. The snow blade's safety system protects the operator and the lawn tractor from damage.

For example, if the snow blade encounters an obstruction in operation (manhole cover) the blade folds automatically and yields to the obstruction.

Naturally, a rubber scraper bar and rail are included in the scope of delivery.



## **LIMPAR HG 55 / 65**

### **Strong in any terrain**

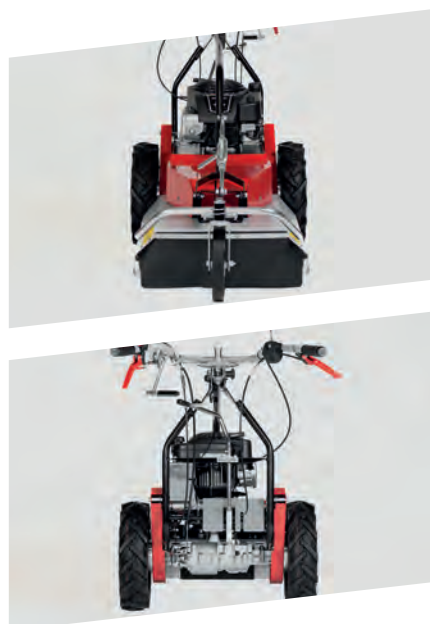
The new Limpac brush cutters convince with their powerful engines when used in rough terrain, at high meadow grass and scrub. For optimal driving these machines have an infinitely-adjustable hydrostatic transmission, which ensures the adjustment of the desired speed due to a rotary switch, or a manual transmission which is equipped with 5 forward and 1 reverse gear. Both drives are supported by a selectable differential lock and a lockable support wheel.

The handlebar damper reduces the operator's hand-arm vibrations, which makes the machine very comfortable, in conjunction with the three-stage handlebar height and side adjustment for off-setting the machine to the operator. In use, the robust main knife cuts the grass before it is crushed by the mulching knife.

## **LIMPAR HG 55**

### **DETAILS LIMPAR HG 55**

- 55 cm work width
- 5 forward gears / 1 reverse gear
- Selectable differential lock
- Mulching function
- Handlebar height and side adjustment
- Stepless cutting height adjustment
- Briggs & Stratton 950 E motor





## LIMPAR HG 65

### DETAILS LIMPAR HG 65

- 65 cm work width
- Hydrostat, infinitely-adjustable
- Selectable differential lock
- Mulching function
- Handlebar height and side adjustment
- Stepless cutting height adjustment
- Honda GXV 340 OHV motor



### **LIMPAR Radial / Radial battery-powered**

## **The all-round talent among the sweeping machines**

The powerful radial sweeping machines handle the most difficult tasks. The broom adapts ideally to every corner or unevenness.

The battery-powered version is as quiet as a whisper and is particularly well-suited for noise-sensitive areas, such as barns or residential areas. The machine even handles wet and heavy material.

The stable housing, combined with the height-adjustable and tilt-adjustable drive axle, large, stable pneumatic tyres, powerful motors and easy-to-replace brush segments result in a significantly reduced workload.

The machine always moves straight-ahead thanks to the factory-standard track stabilizer. Drive batteries and an automatic charger are included with battery powered machines. Naturally all models offer the capability of changing the direction of brush rotation.



### **LIMPAR Radial**

#### **DETAILS**

- 85 cm work width
- Right-hand / left-hand brush rotation
- Track correction
- 3-part brush segments
- Incl. charger and traction batteries
- Choose from the following motors:
  - 12 V DC motor
  - Briggs & Stratton
  - Honda GCV 160 OHC
  - Honda GXV 160 OHV



**RADIAL  
WITH SWATH FORMER**





## LIMPAR SP 92 petrol/SP 94 battery-powered For hygiene in the barn

These special manure scrapers assist with the necessary, daily hygiene of your barn.

With its double soft bars the work is executed with particular thoroughness. The 1st lip presses the manure into the gaps and the 2nd lip removes any remaining residues. The balanced weight distribution in conjunction with the 360° freewheel mechanism enables turning on the spot.

The housing parts are all hot-dip galvanised or are made of stainless steel; propulsion is provided by robust and powerful motors

## LIMPAR SP 92/SP 94

### DETAILS LIMPAR SP 92/SP 94

- 90 cm work width
- Removable V-scraper
- Resistant to rust and acid thanks to hot-dip galvanisation
- 24 V DC motor (Limpar SP 94 battery-powered)
- Honda GP 160 OHV motor (Limpar SP 92)
- Incl. charger and battery



FEED PUSHING BLADE

## Accessories for single-axe machines

Provide new application possibilities for your single-axe machine with the right accessories. For example, with an attachment sweeping machine or a snow blade.



SNOW BLADE

### A VARIETY OF POSSIBILITIES

Your authorised dealer can advise you of the right combination and the available possibilities.

## LIMPAR Battery 26 / Battery 52 / Batterie SB

### The quiet solution that meets your requirements

For many users battery-powered sweeping machines are a welcome alternative to sweepers with internal combustion engines.

Noise protection, statutory regulations or even physical handicaps make it necessary to seek other possibilities. We offer a broad range of battery-powered machines that are suitable for the private user as well as the service provider. In this area battery-powered machines offer a number of advantages.

The important arguments in this regard are:

- Noise generation
- Low-maintenance
- No-exhaust operation
- No direct CO<sub>2</sub> emissions
- Immediate start via key switch

## LIMPAR

### Battery 26

#### DETAILS BATTERY 26

- 70 cm work width
- Different brush types
- 1 drive speed
- 1 brush speed
- Traction batterie 28 A



## LIMPAR Battery 52

#### DETAILS BATTERY 52

- 70 cm work width
- Different brush types
- 1 drive speed
- 1 brush speed
- Battery 50 A (AGM)



## LIMPAR Battery 26/52 with side brush

#### DETAILS

- 70 - 110 cm work width
- Brushes 8 x 2 bristle configuration poly
- 1 drive speed
- 1 brush speed
- Battery 28 A / 50 A (AGM)
- Sidearm Left or Right





**LIMPAR Weed brush WD 70****The weed brush for large areas**

The solid frame in connection with the powerful Honda GXV 160 OHV engine, the big wheels and the handlebar allows a vibration-free working over a long time with hardly noticeable lateral forces.

The brushes are individually adjustable. If wear occurs, the brushes can be pushed back by the quick-change system. A wear protection protects the plate damage. A splash guard protect against flying stones and damage. The brush head can be adjusted in the inclination. The handlebar is foldable and stepless height adjustable without tools. Furthermore it can be pivoted to the side.

**LIMPAR WD 70****DETAILS**

- Work width 70 cm
- 8 braided wire elements
- Braided wire elements automatically adapt to the ground on uneven surfaces
- Foldable steering with stepless height adjustment
- Damage protection for wire braid holder
- Tilt adjustment of the wire braids
- Low lateral forces
- Easy handling
- Choose from the following motors:
  - Honda GXV 160 OHV
  - Kohler Command PRO CV 224 with Cyclone air filter system



**QUICK CHANGE SYSTEM  
FOR BRAIDED WIRE  
ELEMENTS**

## LIMPAR Weed brush turbo IV

### Effective, cost-efficient and environmentally-friendly

This machine, equipped with six braided wire elements, removes weeds from paved surfaces – without any chemical agents or thermal treatment. Thanks to its balanced weight distribution and the large wheels it offers outstanding manoeuvrability. Special bearing support of the brush head enables vibration-free work. The brush can be pivoted laterally for convenient cleaning on edges.



## LIMPAR Weed brush turbo IV

### DETAILS

- 6 braided wire elements that can be swapped out via a quick-change fastener
- Braided wire elements automatically adapt to the ground on uneven surfaces
- Full protection with foldable guard
- Handlebar folds without tools
- Accessories: support wheel
- Choose from the following motors:
  - Honda GCVx 170 OHV
  - Honda GXV 160 OHV
  - Kohler Command PRO CV 224 with Cyclone air filter system



**SUPPORT WHEEL**



**LATERALLY PIVOTING BRUSH**  
For convenient work on edges.



**RILSAN BRUSH**



**LIMPAR Weed brush Taifun II****The weed brush for large areas**

The solid frame in connection with the powerful engine, the big wheels and the handlebar allows a vibration-free working over a long time with hardly noticeable lateral forces.

The brushes are individually adjustable. If wear occurs, the brushes can be pushed back by the quick-change system. A wear protection protects the plate damage. A splash guard protect against flying stones and damages. The brush head can be inclined to follow slopes. The handlebar is foldable and stepless height adjustable without tools. Furthermore it can be pivoted to the side. The drive is provided by powerful gasoline engines.

**LIMPAR Weed brush Taifun II****DETAILS LIMPAR Taifun II**

- Work width 65 cm
- 8 braided wire elements
- Quick change system with tool-free adjustment of the wire braids
- Foldable steering with stepless height and side adjustment
- Damage protection for wire braid holder
- Central tilt adjustment
- Low lateral forces
- Solid rubber wheels
- Choose from the following motors:
  - Honda GP 160 OHV
  - Honda GX 160 OHV with Cyclone air filter system
  - Kohler Command PRO CH 255 with Cyclone air filter system



### **LIMPAR** Weed burner

## The weed burner for sustainable results

The Limpar weed burners destroy wild herbs using a combination of radiant heat and air. Due to the radiant heat, the protein-containing plant cells are attacked to initiate the withering process. When used repeatedly, the roots dry out and the weeds die.

Our weed burners can be used to burn off unwanted weeds on many types of paved and unpaved surfaces, paths, water-bound areas, private and commercial roads. Of course, a fire extinguisher is included.



## **LIMPAR** WKB 400

### DETAILS LIMPAR WKB 400

- Work width 40 cm
- Gas regulator
- Max. consumption: 2,4 kg/h
- Max. performance: 30 KW
- Ignition via battery
- Special thermal insulation of the combustion chamber
- Easy handling
- Economically
- Without herbicides



FLOW REGULATOR

## LIMPAR WKB 750

### DETAILS LIMPAR WKB 750

- Work width 75 cm
- Gas regulator
- Max. consumption: 4,8 kg/h
- Max. performance: 60 KW
- Ignition via battery
- Special thermal insulation of the combustion chamber
- Easy handling
- Economically
- Without herbicides



**ACCESSORIES : HAND BURNER**



**SPECIAL THERMAL INSULATION**



## **LIMPAR 74 „Switch“**

### **The multi-purpose machine**

Grass, weeds, moss and deposits on sealed surfaces are a recurring problem. For the sake of environmental protection, we offer a mechanical solution with the Limpar 74 „Switch“. A quick-release fastener allows either a sweeping brush or a weed brush to be mounted or replaced on the basic unit in just a few simple steps. Powered by a Honda GCVx 170 OHV engine, the machine offers combined cleaning; first weed control followed by sweepings removal. The Limpar 74 „Switch“ also has a 3-speed drive and is extremely handy and maneuverable due to its compact design. You can conveniently adapt the handlebar to your height. The travel and tool drives can be conveniently switched separately from the handlebar.

## **LIMPAR 74 „Switch“**

### **DETAILS LIMPAR 74**

- 50 cm work width
- 6 braided wire elements that can be swapped out via a quick-change fastener
- Reduced speed
- Side impact protection
- Quick release system for the attachment
- 360° freewheel drive
- Honda GCVx 170 OHV motor



**BASIC UNIT**



**ATTACHMENT SWEEPER**



**ATTACHMENT WEED BRUSH**

**LIMPAR**  
**Axial petrol**  
**67-81**



Technical data	Limpar 67	Limpar 72	Limpar 78	Limpar 81
Work width	70 cm	70 cm	80 cm	
Motor/Article number	Honda GCV 170/FKW-F3	Honda GCV 170/FKV-G3	Honda GCV 170/FKX-F3	Honda GCV 170/FBM-A3
Drive speed	1	1	1	3
Brush speed	1	1	2	1
Weight	45 kg	45 kg	75 kg	60 kg
Equipment				
Handlebar height adjustment	–	3-level	variable	3-level
Sweeps right up to the wall	x	x	x	x
Accessories				
Sweepings collector	FKG-V69	FKG-V69	FKG-B82	FKG-V81
Snow blade	FSS-C68	FSS-C68	FSS-B82	FSS-D81
Snow chains	4KC-A11	4KC-A11	4KC-A11	4KC-A11
Agricultural tyre tread profile	4AZ-A11	4AZ-A11	4AZ-A11	–
Brushes with mixed bristle configuration	4HM-N1M	4HM-N1M	4HM-L2M	4HM-Q30
Winter sweeper brush set	4HM-N8P	4HM-N8P	4HM-L8P	4HM-Q29

**LIMPAR**  
**Axial petrol**  
**82-122**



Technical data	Limpar 82 Vario	Limpar 102	Limpar 122
Work width	80 cm	100 cm	120 cm
Motor/Article number	Briggs & Stratton/FKN-V1 Honda GCV 170 OHV/FKN-V3 Honda GXV 160 OHV/FKN-V4 Briggs & Stratton E-Start/FKN-V5	Briggs & Stratton/FKN-F1 Honda GXV 160 OHV/FKN-F4 Briggs & Stratton E-Start/FKN-F5	Briggs & Stratton/FKN-L1 Honda GXV 160 OHV/FKN-L4 Briggs & Stratton E-Start/FKN-L5
Drive speed	3	5	5
Brush speed	1	5	5
Weight	82 kg	85 kg	88 kg
Equipment			
Handlebar height adjustment	variable	variable	variable
Sweeps right up to the wall	x	x	x
Accessories			
Sweepings collector	FKG-B82	FKG-B102	FKG-B122
Snow blade	FSS-B82	FSM-B102	FSM-B122
Snow chains	4KC-A11	4KC-A11	4KC-A11
Agricultural tyre tread profile	4AZ-A11	4AZ-A11	4AZ-A11
Brushes with mixed bristle configuration	4HM-L2M	4HM-M2M	4HM-P2M
Winter sweeper brush set	4HM-L8P	4HM-M8P	4HM-P8P

**LIMPAR**  
**Garden**  
**V40/V50**



Technical data	Scarifier V40	Scarifier V40	Scarifier V50	Scarifier V50
Work width	40 cm	40 cm	50 cm	50 cm
Motor/Article no.	Honda GP 160 OHV/ FVA-F3S	Honda GP 160 OHV/ FVA-F3F	Honda GP 160 OHV/ FVB-F6S	Honda GP 160 OHV/ FVB-F6F
Knife	fixed	flying	fixed	flying
Weight	45 kg	45 kg	50 kg	50 kg

**Attachments for single-axle machines and lawn tractors**

Technical data	Attachment sweeping machine 80/100 cm	Snow blade single-axle machine	Attachment snow blade lawn tractor
Work width	80/100 cm	100/120 cm	120 cm
Article number	–	–	FSK-P
Brush diameter	33/40 cm	–	–
Weight	37/48 kg	12/14 kg	40 kg
Equipment			
Brush height adjustment	variable	–	–
Sweeps right up to the wall	x	–	–
Accessories			
Sweepings collector	FKG-D104/FKG-B82	–	–

## LIMPAR

### Sweeping machines

### Professional



Technical data	Limpar 84 Pro	Limpar 104 Pro	Limpar 124 Pro	Limpar Compact
Work width	80 cm	100 cm	120 cm	120 cm
Motor/Article number	Briggs & Stratton Honda GCV 170 OHV Honda GXV 160 OHV Briggs & Stratton E-Start	Briggs & Stratton Honda GXV 160 OHV Briggs & Stratton E-Start	Honda GXV 160 OHV	FKT-H2
Brush diameter	40 cm	40 cm	40 cm	33 cm
Drive speed	3	5	5	–
Brush speed	3	5	5	–
Weight	90 kg	95 kg	100 kg	42 kg
Equipment				
Handlebar height adjustment	variable	variable	variable	–
Sweeps right up to the wall	x	x	x	x
Accessories				
Sweepings collector	FKG-D84	FKG-D104	FKG-D124	FKG-B122
Snow blade	FSM-D104	FSM-D104	FSM-D124	FSK-P
Snow chains	4KC-A113	4KC-A113	4KC-A113	–
Agricultural tyre tread profile	–	–	–	–
Brushes with mixed bristle configuration	4HM-Q21	4HM-Q22	4HM-Q33	4HM-P2M
Winter sweeper brush set	4HM-Q19	4HM-Q20	4HM-Q32	4HM-P8P

## LIMPAR

### Axial battery powered



Technical data	Battery 26	Battery 52	Battery 26 SB	Battery 52 SB
Work width	70 cm	70 cm	70 cm/110 cm	70 cm/110 cm
Motor/article number	FBH-G7	FBC-G7	FBH-G7 (side arm left) FBG-G7 (side arm right)	FBF-G7 (side arm left) FBE-G7 (side arm right)
Batteries	28A batteries	50A AGM batteries	28A batteries	50A AGM batteries
Side arm	–	–	x	x
Battery quick-change system	–	x	–	x
Weight	63 kg	73 kg	73 kg	83 kg
Equipment				
Handlebar height adjustment	3-level	3-level	3-level	3-level
Sweeps right up to the wall	x	x	x	x
Battery and charger	x	x	x	x
Accessories				
Sweepings collector	FKG-V69	FKG-V69	FKG-VSE	FKG-VSE
Snow blade	FSS-C68	FSS-C68	FSS-C68	FSS-C68
Snow chains	4KC-A11	4KC-A11	4KC-A11	4KC-A11

## LIMPAR

### Agriculture



Technical data	Radial petrol	Radial battery powered	Manure scraper petrol	Manure scraper battery powered
Work width	85 cm	85 cm	90 cm	90 cm
Motor/ article no.	Briggs & Stratton/FKL-B1 Honda GCV 170 OHV/FKL-B3 Honda GXV 160 OHV/FKL-B4	12 V DC motor/FKL-E5 AGM batteries	Honda GP 160 OHV/FPC-F3	24V DC motor/FPH-G5 AGM batteries
Drive mechanism	–	–	x	x
Rotational direction of the brushes	left/right	left/right	–	–
Weight	63 kg	69 kg	102 kg	110 kg
Equipment				
Handlebar height adjustment	1-level	1-level	3-level	3-level
Battery and charger	–	x	–	x
Accessories				
Swath former	FKH-285	FKH-285	–	–
Replacement brush white	4HM-R04P	4HM-R04P	–	–
Replacement brush yellow	4HM-R12	4HM-R12	–	–
Replacement brush – mixed bristle configuration	4HM-R05P	4HM-R05P	–	–
Feed blade	–	–	FSF-P1	FSF-P1
V-scraper	–	–	FPB-210	FPB-210



## LIMPAR Weed Brush



Technical data	Weed Brush Limpar Turbo IV	Weed Brush Limpar Taifun II	Weed Brush Limpar WD 70
Work width	40 cm	65 cm	70 cm
Article number	FWM-A1	FWH-B1	FWD-A1
Motor	Honda GCV 170 OHV	Honda GP 160 OHV	Honda GXV 160 OHV
Weight	44 kg	66 kg	79 kg
Equipment			
Side adjustment	infinitely variable	–	–
Tilt adjustment	–	x	x
Accessories / Wearing parts			
Support wheel	4AZ-S82	–	–
Wire braids	4KC-A117	4HM-Z05	4HM-Z04

## LIMPAR Weed Burner



Technical data	Weed burner Limpar WKB 400	Weed burner Limpar WKB 750
Work width	40 cm	75 cm
Article number	FGA-A1	FGB-A1
Weight	30 kg	35 kg
Consumption max.	2,4 kg/h	4,8 kg/h
Performance max.	30 KW	60 KW
Equipment		
Extinguisher	x	x
Gas bottle	not included	not included
Accessories		
Hand burner	4AZ-S86	4AZ-S86

## LIMPAR Brush Cutter Professional



Technical data	Brush Cutter Limpar HG 55	Brush Cutter Limpar HG 65
Work width	55 cm	65 cm
Article number	FMS-SF2	FMS-HF3
Motor	B&S 950 E	Honda GXV 340 OHV
Weight	132 kg	139 kg
Transmission	5 F / 1 R	Hydrostat
Equipment		
Differential lock	x	x

## LIMPAR Equipment carrier Multi purpose



Technical data	Limpar 74 Basic Unit	Limpar 74 Attachment-Sweeper	Limpar 74 Attachment-Weed-Brush
Work width	-	70 cm	50 cm
Motor/Article number	Honda GCV 170/FAA-A3	-/FAK-A70	-/FAW-A65
Drive speed	3	1	1
Quick release system	x	x	x
Weight	47 kg	14 kg	17 kg
Equipment			
Handlebar height adjustment	3-level	–	–
Sweeps right up to the wall	–	x	x
Accessories			
Sweepings collector	–	FKG-V69	–
Snow blade	–	FSS-C68	–
Support wheel	4AZ-S94	–	–
Wire braids	–	–	4KC-A117
Brushes with mixed bristle configuration	–	4HM-N1M	–
Winter sweeper brush set	–	4HM-N8P	–



**4F Maschinentechnik GmbH**

Am Gasspeicher 6 | 49453 Rehden

Germany

T +49 (0)5446 997040

F +49 (0)5446 997042

info@4-f.de | www.4-f.de

Due to continuous further development we must reserve the right to change the scope of delivery in form, technology and equipment. Consequently, no claims can be derived from the information and illustrations of this catalogue. We assume no liability for printing errors.

