ADLER®
ARBEITSMASCHINEN

PRODUCING QUALITY







- Sweepers
- Augers
- Snow blades
- Salt spreaders
- Walk-behind machines
- Manure scrapers
- Weed control
- Drill rigs

OUR PRODUCT RANGE

www.adler-arbeitsmaschinen.de

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PRODUCING QUALITY

ADLER Quality:









All ADLER products meet the highest quality criteria, as it is our aim that our products set the standards in excellence.

Material

We only use the best materials for our products: thicker steel plates, bigger sweeper brushes, better tyres. Problem-free functions and sturdy design are more important to us than scrimping on material.

Manufacturing

We at ADLER weld, bolt and join our products with high precision for maximum durability! We protect key components with an additional EPD primer & powder coating in all the important places.
A perfect finish that lasts for years!

Developed & produced in Germany

EPD
& POWDER COATING

Ideas

The quality of ideas that goes into our products is also essential. We research which products our clients really need and develop them. In doing so, we use a "modular" approach, so that you can combine our products flexibly and adapt them to your individual requirements.

Technology maturity

From the outset, we develop our products to withstand conditions which go above and beyond standard situations. This means that our machines perform well even under the toughest conditions. We test our products thoroughly and even if they work perfectly, we continue to optimise and enhance them.

Service

It goes without saying that we offer perfect service quality. When you experience our service, you'll be convinced!

Our team:

Our wealth of practical experience means that we know what work is and what works well. That's why we at ADLER provide you with the perfect work machines that make your daily work easier and more efficient.



Thomas Schmiemann | Our strategist

has many years of experience as Sales Manager of a leading machine construction company. Together with Markus Reckels, he transforms customers' requirements into successful products. As a mechanical engineering technician, he has a thorough product and market knowledge.



Rainer Hackenfort | Our lateral thinker

is an experienced banking administrator and organises our business administration. His expertise and his approach as a lateral thinker ensure that our company runs like clockwork and that our production and distribution chain functions smoothly.



Markus Reckels | Our developer

has been developing sweepers, snow blades, attachment machinery, drill rigs and farm loaders for over 17 years now. As a mechanical engineer, he has been held in high regard on the market for his consistently optimum-quality work for years.



Tobias Hackenfort | Our all-rounder

is experienced in purchasing and sales and plays an essential role in our company thanks to his constructive abilities. His flexibility, engagement and talent as an all-rounder enables him to make the impossible possible.

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Take it to the street ...

mechanically driven sweeper	*ideal for municipal vehicles and tractors*
Ø 560 mm universal sweeper roller	*long service life and especially good performance during winter service*
easy sweeper roller adjustment	*no inconvenient adjustment via the support wheels*
low operating weight	*also suitable for smaller municipal vehicles*
extremely robust design	*designed to withstand the wear and tear of tough municipal work*

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mechanically driven

Sweeper K 560

The perfect cleaning solution for your municipality …

Clear streets and public places easily from dirt, fallen leaves or snow.

The ADLER K 560 is the economical choice for municipal use, horticulture or landscape gardening and service providers in the property management sector. Thanks to its lightweight construction, this mechanically driven sweeper (which is also optionally available with hydraulic drive) is perfect for mounting on municipal tractors and small carrier vehicles.

The ADLER K 560's equipment can be adapted to differing uses and requirements as necessary by choosing from our individual options. With a working width of 1.80 m and an area performance of over 14,000 m²/h, you'll find your city's streets look brand new when they have been cleaned with this lightweight sweeper.

The user-friendly handling is evident in the easy sweeper roller readjustment. The brush speed and direction as well as the position of the transmission can also be adjusted perfectly to your carrier vehicle, thus allowing greater flexibility.

Whether you're sweeping dust, litter or fallen leaves, the K 560 provides optimum performance. Thanks to the large angle of breakage in the machine frame, it's also perfect for clearing snow – a great help all year round!

Accessories:

- Hydraulic swivel mechanism for versatile simple sweeping
- Large capacity hopper with wear-resistant sweep edge, third support wheel and hydraulic emptying as a standard feature with simple sweeping mode
- Water spray system (120 l) for dust control during sweeping (water tank mounted on rear of vehicle)
- Large side brushes for sweeping edges, perfect for sweeping gutters (hydraulically driven)
- Reinforced heavy-duty castor wheels Ø 200 mm x 50 mm
- Adjustable splash guard
- Side-marker lights LED
- Customised colour as per RAL colour chart (standard: RAL 2002)

Developed & produced in Germany

ADLER Sweeper K 560		135	150	180
Working width straight / angled	cm	135/128	150/143	180/171
Total width	cm	151	166	196
Brush diameter	mm	560	560	560
Rotation speed	rpm	540 – 2,200		
Weight , including hopper	kg	190	205	235
Hopper capacity	l	128	142	173
Area performance	m²/h	10,800	12,000	14,400



Side brush in use



K 560 with adjustable splash guard



Large angle of breakage in the machine frame – ideal for clearing snow



Simple sweeping mode as a standard feature if you require a hopper



Rotation speed and direction, and transmission position are adjustable

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A clean sweep ...

600 mm brush diameter	long service life, excellent sweeping performance, even in snowy conditions
Simple sweeping mode	no need to remove the hopper
universal mounting system	mountable on a large variety of carrier vehicles for both front and rear use
easy sweeper roller readjustment	less wear and tear – shorter set-up times
large hopper size	fewer emptying cycles
hydraulic emptying system fitted as standard feature	with a shaker-mechanism for the hopper
2 large swivel castor wheels Ø 250 mm	good manoeuvrability on all terrains
overrun protection as a standard feature	protects your hydraulic drive

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Sweeper K 600

A clever solution that doesn't cost the earth ...

The ADLER K 600 offers you an ideal price-performance ratio. We've combined the brush diameter, the hopper capacity and the mounting options so that the K 600 has all that you need: outstanding cleaning results at a reasonable price.

The working widths ranging from 135 cm to 270 cm and the multi-functional intake system allow it to be optimally adjusted to your carrier vehicle. We've developed and tested every type of mounting system for you whether it's on a tractor, farm loader, wheeled loader, forklift truck or telehandler load lugger.

Thanks to our modular system, you can also re-fit your ADLER K 600 at any time with a large range of accessories. These include a hopper with a shaker-mechanism, side brushes or a water spray system.

These allow you to enhance the sweeping performance, so that it meets your expectations perfectly.



K 600 in use with a telehandler



Suitable for attachment on front and rear of tractor.

Accessories:

- Hydraulic pivot mechanism for flexible simple sweeping
- Large capacity hopper with wear-resistant sweep edge and hydraulic emptying as a standard feature
- The hoppers are all fitted with hydraulic simple sweeping mode
- Third support wheel for improved ground contour adjustment
- Water spray system (120/240 l) for dust control during sweeping
- Side brushes for sweeping edges, perfect for sweeping gutters
- Reinforced heavy-duty castor wheels Ø 250 mm x 80 mm
- Internal hydraulic motor
- Flow control valve 1" for hydraulic fluid volumes greater than 75 l/min.
- Side-marker lights LED
- Customised colour as per RAL colour chart (standard: RAL 2002)

Developed & produced in Germany



Brushes are continuously adjustable

ADLER Sweeper K 600		135	150	180	210	240	270
Working width straight / angled	cm	135/127	150/141	180/169	210/197	240/226	270/254
Total width	cm	166	181	210	240	269	299
Brush diameter	mm	600	600	600	600	600	600
Required Hydraulic pressure & volume		160 bar / >25 l/min.				160 bar / >40 l/min.	
Weight simple sweeping	kg	290	320	345	370	395	420
Hopper capacity	l	191	212	255	297	340	382
Area performance	m²/h	10,800	12,000	14,400	16,800	19,200	21,600



Simple sweeping mode, hydraulic hopper emptying system and third support wheel on hopper



Optional side brush and water spray system



Farm loader mount system with 3D levelling function



Heavy-duty wheeled loader mount system with 3D levelling function via castor control system

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... it'll sweep you off your feet!

750 mm brush diameter	*cleans powerfully with each rotation of the brush*
2 heavy-duty swivel castor wheels Ø 400 mm	*uneven terrain poses no problems*
overrun protection as a standard feature	*protects your hydraulic drive*
internal hydraulic motor	*the main core of the machine is optimally protected*
suspended sweeper roller	*perfectly adjustable to ground contours*
universal mounting system	*fits all standard carrier vehicles*
in-house production	*optimum quality*

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Sweeper K 750

A clean sweep with ADLER

The ADLER K 750 sweeper will give you magic cleaning powers! The K 750 was developed for the toughest conditions and designed to be individually adjustable to your carrier vehicle. We offer suitable mounting systems with a sophisticated 3D levelling function for all standard wheeled loaders, telehandler load luggers, and tractors.

In the standard version, the K 750 comes with a wear-optimised, suspended sweeper roller which adjusts perfectly to all ground contours. The roller diameter of 750 mm guarantees a long service life. As the hydraulic engine is fitted internally in all sweepers, you can avoid costly repairs that collisions may otherwise make necessary.

Further highlights include the high-quality heavy-duty swivel castor wheels, which enable the ADLER K 750 to ride over potholes, railway tracks and rough terrain without any difficulty. As optional extras, you can fit your machine with a large-capacity hopper, use side brushes to sweep curbs and gutters, or easily reduce dust levels during sweeping with the use of our water spray system.

Accessories:

- Hydraulic swivel mechanism for flexible simple sweeping
- Large capacity hopper with wear-resistant sweep edge and a heavy duty swivel castor wheel (400 mm x 100 mm)
- The hopper comes with a hydraulic simple sweeping mode as a standard feature
- Water spray system 240 l for dust control during sweeping
- Side brushes for sweeping edges, perfect for sweeping gutters
- Side-marker lights LED
- Flow control valve 1" for hydraulic fluid volumes greater 90 l/min.
- Customised colour as per RAL colour chart (standard: RAL 2002)

Developed & produced in Germany

ADLER Sweeper K 750		210	240	270	300	330
Working width straight / angled	cm	210/198	240/228	270/257	300/285	330/313
Total width	cm	233	262	292	321	351
Brush diameter	mm	750	750	750	750	750
Required hydraulic pressure & volume		160 bar / >35 l/min.			160 bar / >40 l/min.	
Weight , including waste collector and hopper	kg	690	800	890	995	1,135
Hopper capacity	l	390	450	500	555	610
Area performance	m²/h	16,800	19,200	21,600	24,000	26,400
For carrier vehicles with operating weight	t	3+	4+	5+	6+	6+

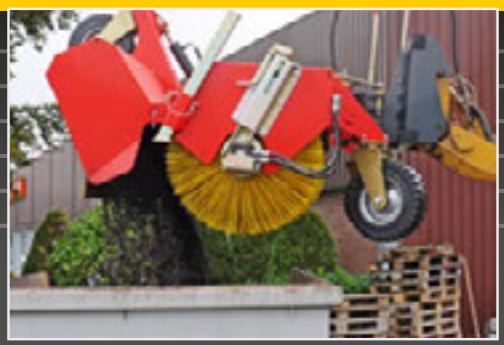


Optional side brush and 240-l water tank


Internal hydraulic motor


Simple sweeping mode and 750 mm brush diameter as standard features


Castor guide system with automatic levelling – follows ground contours perfectly on any terrain


Hydraulic hopper emptying system


Three large castor wheels 400 mm x 100 mm

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High powered ...

compact design	for easy transportation
low total height	can be used anywhere
high level of efficiency	effective work processes
maintenance-free usage	highly cost-effective
sturdy design	almost indestructible, even under the toughest conditions

Developed & produced in Germany

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Augers E Series

Powerful performance! The auger range for every carrier vehicle.

The ADLER Auger series is equipped with powerful orbital engines, which are protected by a sturdy enclosure. The machine is operated using a single-action or dual-action hydraulic control circuit.

Drilling machines are mounted directly using the quick hitch mechanism or forklift forks on farm loaders or smaller wheeled loaders.

In the case of mini-excavators, the quick hitch coupler or a bolt attachment are used to mount attachments.

The universal joint in the auger mount ensures that drilling is always vertical no matter how the carrier vehicle is positioned on the ground.

The auger drills are equipped with exchangeable heads and blades suitable for light to medium soils. The augers are also easy to change using a bolt fixing mechanism.

You can also work with medium and heavy soils quickly and effectively using our heavy duty auger blades and heads.



Auger with soil



Universal joint fitted as standard.

ADLER Auger E-Series	E 50	E 100	E 165	EG 250	EG 500
Drive	hydraulic			hydr. with gearing	
Auger diameter mm	to 220	to 300	to 500	to 750	to 850
Required hydraulic pressure & volume	160 bar / >20 l/min		160 bar / >30 l/min	200 bar / >50 l/min	200 bar / >75 l/min
Torque daNm	50	100	165	250	500
Pressure relief valve	optional			inclusive	
Weight* kg	105	118	131	180	191

*Weight without mounting system. Other auger sizes upon request.



The range – suitable for all types of carrier vehicle



Auger on mini-excavator



Heavy-duty augers are optional available

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Ready for snowy weather ...

up to 115 cm high and 330 cm wide	*they clear an impressive amount of snow*
made of 5 mm or 6 mm thick steel plate	*extremely robust and absolutely torsion-free*
anti-icing spring flaps	*trouble-free handling in any conditions*
adjustable support wheels	*perfectly adjustable to ground contours*
curb guards	*protect the outer spring flaps*
large network of suppliers	*short delivery times*
in-house production	*quality of the highest standards*

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Snow Blade S-Series

There's no avoiding next winter!

And chances are there'll be snowy weather…

With the new ADLER S-Series Snow Blades, you'll be ideally prepared for clearing snow and ice for many years to come.

We have designed the blade's spring flaps, so that they won't ice over. This guarantees excellent clearing results in even the toughest weather conditions and round-the-clock use. Moreover, the time-consuming task of de-icing the spring flaps while you're on the road also becomes unnecessary. If you choose our optional hydraulic swivel function, then the driver can also easily rotate the snow blade from the driver's seat during clearing.

As well as the standard Vulkollan rubber wear edges, we also offer rubber and corundum wear edges for round-the-clock use. Our support wheels are height-adjustable as a standard feature. Together with the curb guards, they help to protect the snow blade against damage and ensure a longer service life.

Our snow blades are suitable for almost all carrier vehicles. They come in a range of working widths from 135 cm up to an impressive 330 cm. These working widths and a blade height of 115 cm mean that you'll be able to clear a whole lot of snow!



Anti-icing spring flaps, with curb guards as a standard feature (a range of wear bars are available)

Accessories

- Hydraulic swivel allows you to clear snow effectively without leaving the driver's seat
- Pressure relief valve for overload protection
- Extra heavy-duty swivel castor wheels
- Alternative wear edges:
  - Rubber and corundum wear edges
  - Steel wear edges
- Side-marker lights LED
- Holders for warning flags
- Warning flags
- Customised colour as per RAL colour chart (standard: RAL 2002)

Developed & produced in Germany

ADLER Snow Blade S-Series	135	150	180	210	240	270	300	330
Working width (straight/angled up to 30°) cm	135/120	150/134	180/160	210/187	240/214	270/241	300/263	330/289
Height mm	650	650	800	800	800	800	1150	1150
Castor wheels ø/mm	200x50	200x50	200x80	200x80	200x80	200x80	250x80	250x80
Weight kg	195	210	336	366	393	421	594	628



S-Series attached to wheeled loader



Working widths from 135 cm to 330 cm



Snow blade, 5 mm or 6 mm thick



Universal mounting system with hydraulic swivel mechanism (with two hydraulic cylinders)



Height-adjustable support wheels

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Cleared ...

up to 65 cm high and 180 cm wide	*suitable for all clearance tasks*
two swivel folding wings	*provide three clearance positions*
hydraulic side swivel	*positioned by two hydraulic cylinders*
anti-icing spring flaps	*trouble-free handling in any conditions*
curb guards	*protect the outer spring flaps*
EPD primer and powder coating	*for optimum corrosion protection*
adjustable support wheels	*perfectly adjustable to ground contours*

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Snow Blade V-Series

The Snow ADLER for next winter

The ADLER V-Series Vario Snow Blade will help you to clear snow professionally in difficult situations next winter. The variable swivel positions (30°) to the right and left and in V- and Y-shape configurations will enable you to clear cycle paths, pathways, car parks and business premises easily and effectively.

We equip the V-Series with curb guards, anti-icing spring flaps and high-grade adjustable support wheels (Ø 200 mm x 50 mm) as standard.

The available, easily exchangeable mounting systems for local authority tractors and farm loaders enable you to use the V-Series snow blades in a variety of ways. The integrated levelling mechanism also ensures consistently effective clearance results.

If your vehicle does not feature a second dual-action control circuit, you can set the required snow blade positions using the optional electric switch valve.



V-Series attached to farm loader



Anti-icing spring flaps, fitted with curb guards as standard

Accessories

- Reinforced heavy-duty castor wheels Ø 200 mm x 50 mm
- Electric switch valve for swivel operation
- Side-marker lights LED
- Holders for warning flags
- Warning flags
- Customised colour as per RAL colour chart (standard: RAL 2002)

Developed & produced in Germany



Electric switch valve

ADLER V-Series Vario Snow Blade		135	150	180
Clearance widths in V, Y and diagonal position (at 30° angled position)	cm	121	129	155
Blade height outside/inside	mm	550/650	550/650	550/650
Castor wheels	ø/mm	180x50	180x50	180x50
Weight (without attachment)	kg	185	190	200



Farm loader attachment with levelling mechanism and support leg







All possible clearance configurations in V, Y and diagonal position

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Breaking the ice!

12 volt operation	*ideal for vehicles with little or no hydraulic power*
central control unit	*convenient control from the driver's seat*
fitted with stirrer as standard	*no bridging*
rotational speed is freely adjustable	*optimum dosage*
spread width of up to 8 m	*even large areas can be de-iced quickly*
PVC salt hopper with fill level indicator	*hand guard and hinged lid (attached, so cannot be lost)*
universal mounting system	*fits all standard carrier vehicles*
completely made of stainless steel	*highly durable*





Salt Spreader ST-E

Safety for winter roads!

Most municipalities transfer the obligation to clear and grit icy surfaces to house or property owners (officially called "winter road safety obligations"). Businesses must meet these obligations too.

Work is quickly completed with ADLER S-Series or V-Series Snow Blades and the ADLER ST-E Salt Spreader. They will help you to avoid accidents on adjoining roads, your driveways and your premises.

The ST-E Salt Spreader comes with a 120- or 200-litre tank made of plastic and a sturdy frame.

The tank features a special stirrer mechanism and a water-tight hinged cover. The electrical controls can be conveniently operated from the driver's seat. The ST-E Salt Spreader is fitted with a powerful 12 volt drive motor for the spinner disc. The spread width is continuously adjustable from 1 m to 8 m.



Salt spreader mounted on farm/wheeled loader

Mounting system variants:

- Universal mounting system for fork lift trucks and farm and wheeled loaders – height adjustable
- KAT I/II Three-Point Linkage
- Hitch triangle
- Pick-up

Developed & produced in Germany

ADLER Salt Spreader	ST-E 120	ST-E 200
Tank capacity l	120	200
Speed adjustment	variable	variable
separate stirrer (fitted as standard)	Driven by geared motor	Driven by geared motor
Salt supply via feeder	electrical	electrical
Body	V2A / V4A stainless steel, 2.5 mm	V2A / V4A stainless steel, 2.5 mm
Weight without mounting system kg	48	56
Area performance m²/h	for example 80.000 at 10 km/h	



Universal mounting system



Rotational speed is freely adjustable



12 volt geared motor for the spinner disc



Spread range up to 8 m, regulated by rotational speed and dosage. Detail: Dosing mechanism to set the amount of salt

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Make sweeping changes!

75/100 cm working width	covers up to 4,000 m²/h
hydraulic drive for driving and sweeping modes	low-maintenance, very convenient; can be pushed with little effort
differential transmission as a standard feature	extremely manoeuvrable
large drive wheels	great results on rough terrain
steering with rods instead of Bowden cables	robust and durable
continuously adjustable drive forwards/ backwards	flexible, effective work processes



Walk-behind Sweeper HK 5.5 HK 6.5

For professional use!

With this walk-behind sweeper you have a powerful and versatile helper at your side.

A sweep width of 75 / 100 cm ensures that it has an area performance of up to 4,000 m² per hour. Used in combination with the practical hopper, you can sweep surfaces quickly and thoroughly.

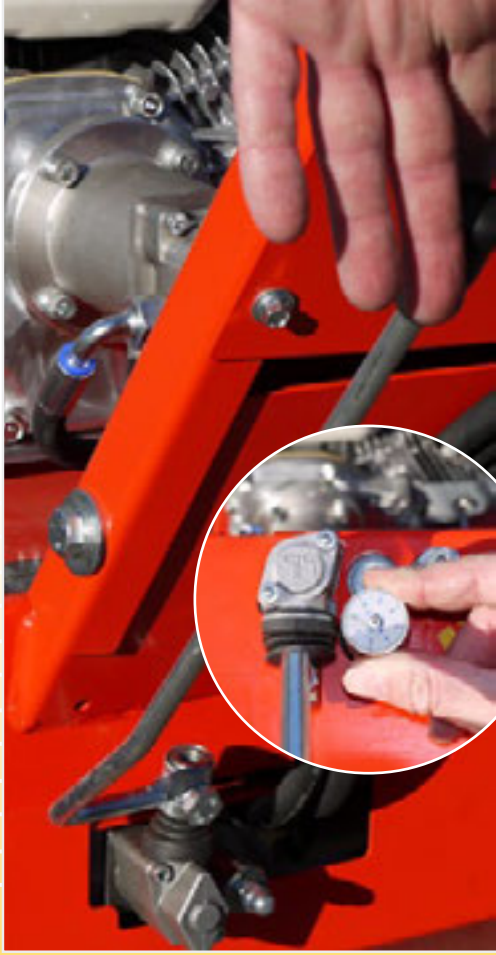
Over the years, this sweeper has also proven itself to be a great help in winter: smaller amounts of snow can be quickly cleared with a snow sweeper roller while the easy-to-attach snow blade allows you to eliminate larger amounts of snow as well. In designing this sweeper, we have avoided using cold-sensitive Bowden cables and installed a high-quality rod steering system instead. This means our HK Series is always ready for use, even if the temperature drops below freezing.

The sweeper's powder coating, robust construction and low maintenance hydraulic drive guarantee a long service life.

Accessories:

- Hopper with support wheels
- Hydraulic side brush
- Snow blade with rubber edge
- Snow chains
- Sulky

ADLER Walk-behind Sweeper	HK 5.5	HK 6.5
Working width (straight) cm	75	100
Brush drive	Hydraulic	Hydraulic
Brush diameter mm	320	320
Roller adjustment	left/right/straight	left/right/straight
Direction of brush rotation	rotates in one direction	rotates in both directions
Traction drive:	hydraulic/continuously adjustable (forwards) 0 – 3.7 km/h	hydraulic/continuously adjustable (forwards & backwards) 0 – 4.2 km/h
Transmission	differential	differential
Drive motor	Honda GCV 160, 5.5 hp (4.0 kW)	Honda GX 200, 6.5 hp (4.8 kW)
Tyres	480/4.00-8	480/4.00-8
Area performance m²/h	2,800	up to 4,000
Finish	powder coating	powder coating



Hydraulic rod steering system and continuously adjustable traction drive



Walk-behind sweeper with side brush



Sweeping with a hopper



The HK 5.5 in use – extremely manoeuvrable



Honda motor GX 200



Walk-behind sweeper with a snow blade

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Thorough...

- *hydraulic drive Weed Brush HW 5.5*
- *effective against wild grass and moss*
- *cleans paths and surfaces without pesticides*
- *steering with rods instead of Bowden cables*
- *hydraulic drive Radial Sweeper HR 5.5*
- *clockwise / anti-clockwise sweeping as a standard feature*
- *easy-to-use weed control*
- *ideal for gardening, agriculture and municipal use*
- *environmentally friendly solution*
- *less maintenance-prone, very robust*
- *easily convertible in just a few simple steps*
- *flexible, easy to manoeuvre – ideal for sweeping or for shifting fodder in barns*



Weed Brush HW 5.5

Radial Sweeper HR 5.5

ADLER Weed Brush HW 5.5

Say goodbye to those pesky weeds!

The ADLER Weed Brush makes controlling weeds an easy task. It's ideal for gardening and landscape architecture, agricultural and municipal use and for service providers. This weed brush is also perfect for use in your own garden at home.

The specially designed weeding brush enables you to eliminate moss and wild grass from pathways, gutters and large surfaces.

In designing the weed brush, we have avoided the use of Bowden cables where possible and fitted it with a high-quality rod steering system.

The machine's powder coating, robust construction and low-maintenance hydraulic drive guarantee a long service life.

Accessories:

- Radial sweeper (also see HR 5.5)



Sweeping edges – no problem

ADLER Radial Sweeper HR 5.5

Your practical helper for home and farm!

This all-purpose radial sweeper makes livestock shed work such as sweeping and shifting fodder so much easier.

The specially designed long sweeper bristles prevent fodder being shifted too far and guarantee a long service life. The radial sweeper comes with a brush that rotates both clockwise and anti-clockwise as a standard feature, allowing you to respond flexibly to different requirements. Thanks to the sweeper's high manoeuvrability, you can reach even the smallest nooks and crannies.

Accessories:

- Weed brush (also see HW 5.5)

ADLER Weed Brush HW 5.5 and ADLER Radial Sweeper HR 5.5	
Working width cm	60/70
Brush drive	hydraulic, chain
Roller adjustment	via support wheel
Direction of brush rotation	rotates in both directions
Drive motor	Honda GCV 160, 5.5 hp (4.0 kW)
Tyres	480/4.00-8
Finish	powder coating



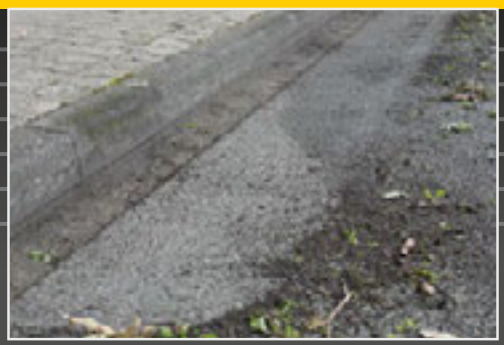
Ideal for shifting fodder in barns



Manoeuvrability



Weed Brush with adjustable support Wheel



Weed? No problem!



Easy -to-use!

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Clean as a whistle ...

powerful manure scraper	*livestock shed hygiene made easy*
ideal weight distribution	*excellent manoeuvrability in sheds*
working width: 95 cm	*fits easily through all doorways*
hydraulic rod steering system	*improved handling, lower maintenance costs*
extra large agricultural tyres	*high ground clearance*
fully galvanized as a standard feature	*longer service life*



Manure Scraper HS 5.5

Helps you look after your livestock and keep your sheds clean and comfortable!

This manure scraper makes the daily work of ensuring livestock shed hygiene so much easier. It has ideal weight distribution and offers great manoeuvrability in sheds.

With a working width of 95 cm, it fits easily through all doorways. Fully galvanized as a standard feature and with a high-quality rod steering system, it is not only very durable but also ensures lower maintenance costs.

The scraper is powered by a strong 5.5 hp Honda GCV 160 engine, which allows you to drive both backwards and forwards. It comes with extra-large agricultural tyres to provide increased ground clearance.

ADLER Manure Scraper	HS 5.5
Working width (straight)	95 cm
Drive	Honda GCV 160, 5.5 hp (4.2 kW)
Travel drive forwards/ backwards	Speed range 1: forwards 3.7 km/h
Transmission	differential
Tyres	4.00-8, agricultural tyres
Coating	galvanized
Weight	115 kg



Low-maintenance rod steering system



Double-lipped scraper with a spacer



Forward and backward traction drive



Large drive wheels



Manure scraper attachment with levelling system



Powerful Honda motor

Thermal weed control

The perfect solution for pesticide-free, environmentally friendly and economical weed control on paved surfaces, roads and water bound pathways.

ADLER Arbeitsmaschinen GmbH & Co. KG is the exclusive distributor in Germany for the flame weeders developed and produced by the Dutch company Weed Control. These innovative weed control machines have low gas consumption and are lightweight, compact and versatile. This makes them perfect for almost any situation. Their low levels of carbon emission are the only environmental impact – pesticides no longer play a role.

How does flame weeding work?

Flame weeders subject weeds to the intense heat radiated by the burners. The effect is increased by the radiating wire mesh that additionally absorbs heat and reflects it as infra-red radiation. To minimise gas consumption, the heat produced is optimally conserved in the isolated and shielded burning chamber. This heat causes the cell walls in weed leaves to burst open, so plants lose moisture and the weeds quickly wilt, shrivel and begin to decompose. Unlike weed brushes, flame weeding also damages a weed's root system, which curbs re-growth. A further advantage of thermal weeding is the fact that the weeds' seeds lose their ability to germinate.

How does recycled hot air weed control work?

Inside a closed combustion chamber, gas burners heat air to about 370 °C. A ventilator then blows the heated air underneath the machine at high speed. The air is then re-absorbed at the front of the machine and re-heated as necessary.

This fast-moving hot air makes the weeds' plant cells burst and prevents them from being able to absorb moisture. As a result, the plants wither and are permanently destroyed. The plants' seeds circulate through the hot air chamber, losing their ability to germinate, further decreasing the re-growth of weeds.

Exclusive distribution in Germany


ADLER
Heißluft-Recycling
Heiss Luft Recycling

ADLER®
ARBEITSMASCHINEN

Weeds won't stand a chance!

- *thermal weed control* → *environmentally friendly and non-toxic*
- *kills the root system and seeds* → *reduces re-growth*
- *no pesticides required* → *ideal for larger surfaces, roads and water-bound pathways*
- *low gas consumption* → *cost-effective*

Exclusive distribution in Germany



Flame Weeder Select

The advantages:

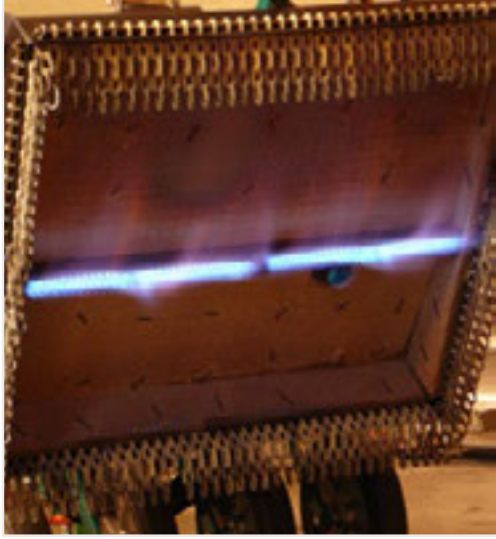
- Ground and drinking water protected as no toxins seep into the soil
- Low gas consumption
- No sweeping action and no damage to the ground
- Minimal re-growth of weeds, as seeds are destroyed and roots are dried out
- Suitable for water-bound pathways and streets
- Working widths in mm: 350/500/750

Accessories:

- Hand-held torch set
- Large pneumatic tyres for sandy surface routes

Technical Data for Flame Weeder Select:

		Select 350	Select 500	Select 750
Working width	cm	35	50	75
Drive		walk-behind	walk-behind	walk-behind
Area performance	m²/h	up to 1,000	up to 1,500	up to 2,250
Working speed	km/h	2 – 4	2 – 4	2 – 4
Gas consumption	l/h	2.0	2.8	4.0
Propane gas cylinder	kg	11	11	11
Fuel		Propane gas cylinder	Propane gas cylinder	Propane gas cylinder
Weight without gas cylinder	kg	50	65	75



Combination of direct flame and reflecting shield provide high efficiency



Height-adjustable control unit



Hand-held torch for corners and edges



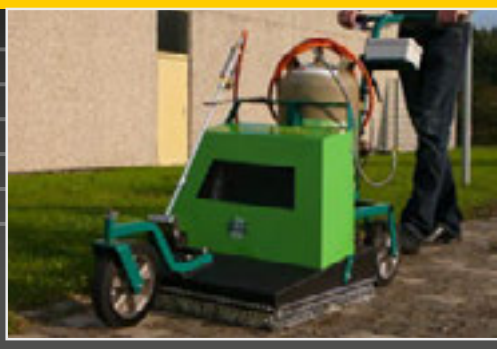
Electrical ignition



Before ...



... and after three days!



Working widths: 35 cm / 50 cm / 75 cm

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ARBEITSMASCHINEN

Feel the heat ...

- *weed control using recycled hot air* → *no open flame / energy-efficient continuous operation*
- *the power pack and the hot air unit are combined* → *convenient for weed control on roads and water-bound pathways*
- *total costs as low as 0.01 €/m²* → *cost-effective weed control*
- *kills the root system and seeds* → *re-growth is substantially reduced*

Exclusive distribution in Germany



Combi Compact

Recycled hot air weed control unit

The advantages of the Combi Compact:

- No additional carrier vehicle required
- Convenient electrical ignition
- The hot air unit has a tapered shape and can swivel 45° to either side, allowing you to control weeds in corners and along edges
- Closed combustion chamber with an operating temperature of approx. 370 °C
- The walk-behind machine can be used all year round for other tasks too (as a sweeper roller or snow blade, for example)

Operating costs of the Combi Compact:

	Amount	per m²
Purchase costs (width = 80 cm)	€12,500	
Daily performance (5 hours x 1,600 m²/h)	8,000 m²	
Annual performance (20 days/month x 6 months)	960,000 m²	
Operating costs for Combi Compact per day	€20.00	
Annual operating costs (25 l LPG/day at €0.80 /l)	€2,400	€0.0025
Operating costs walk-behind machine per day	€7.50	
Annual operating costs (10 l petrol/day at €1.80 /l)	€2,160	€0.0023
Depreciation (useful life = 4 years)	€3,125	€0.0033
Cost of capital (8 % p.a. on an average €6,250	€500	€0.0005
Maintenance costs (per year)	€500	€0.0005
Total costs per m² of treated surface:		**€€ 0.01**

All amounts exclude VAT. These calculations are based on careful measurements – but may vary depending on use.

Accessories:

- Hand-held torch set – optional with 10 m hose reel
- Digital temperature display
- Winter service equipment: Sweeper, snow blade, snow chains

Technical Data for Combi Compact:

		Combi Compact
Working width	cm	80
Drive		walk-behind
Area performance	m²/h	up to 1,600
Working speed	km/h	2 - 4 km/h
Gas consumption (LPG autogas)	l/h	approx. 4
Tank capacity (LPG autogas)	l	40
Total weight	kg	240



Control weeds permanently using hot air



The Combi Compact can also be switched over for use as a sweeper



Hot air unit with electrical control and hydraulic connections



LPG gas tank with a quick-exchange frame



It swivels 45° to either side, which means you can access even the hardest-to-reach places

ADLER®
ARBEITSMASCHINEN

All fired up!

weed control using hot air	*no open flame / energy-efficient continuous operation*
no toxins seep into the soil	*ground water and drinking water protection*
no sweeping action	*no damage to the ground*
Comfort Combi as a front-mounted unit	*universal mounting for all your carrier vehicles*

Exclusive distribution in Germany



Comfort Combi

Recycled hot air weed control unit

The advantages:

With this patented recycled hot air weed control unit, weeding is safer, more environmentally friendly, more cost-effective and requires no toxic chemicals:

- no open flame means reduced fire risk
- ground and drinking water protection as no toxins seep into the soil
- very low gas consumption thanks to hot air recycling (as little as around 50 to 70 litres per working day!)
- high area performance due to fast heat transfer
- no sweeping action and no damage to the ground
- prevents weed re-growth thanks to seeds being destroyed and the root-system being weakened
- suitable for water-bound pathways and streets
- working widths: 100 cm / 130 cm



Suitable for all your carrier vehicle work

Carrier vehicle requirements:

- For hydraulic sidewards shift: 1 x dual-action
- For the hydraulic ventilator: 1 x single-action with min. 12 litre/min.
- With non-pressurized return motion adjustable for continuous operation
- alternatively:
- 1 x dual-action with max. 6 bar counter pressure during return motion



Temperature control with a digital display

Required at all times:

- 1 x drain line
- For front power lift: bearing capacity about 700 kg at hitch point
- For electronic control: 12 V connection (direct; no cigarette lighter, ideally 3-pin)



Hydraulic sidewards shift by 35 cm

Technical Data for Comfort Combi 100/130:

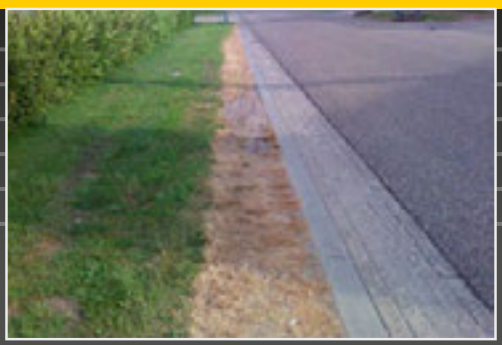
		Comfort Combi 100	Comfort Combi 130
Working width		100 cm	130 cm
Area performance	m²/day	15,000 – 25,000	20,000 – 30,000
Hydraulic sidewards shift		optional	optional
Working speed	km/h	2 to 4:	2 to 4:
Gas consumption	l/day	approx. 50	approx. 70
Tank capacity, LPG	l	85	115
Gas cylinders, propane (optional)	kg	2 x 11	3 x 11
Fuel		LPG/propane	LPG/propane
Weight , including tank	kg	385	415



The covering panel radiates heat



Dandelion being treated



The effects after 2 – 3 days!



Three or four burners provide the required heat

ADLER®
ARBEITSMASCHINEN

Breaking new ground ...

A powerful drilling solution for the most confined of spaces.

Ideal for:

- Well drilling
- Geothermal drilling
- Geological exploration drilling
- Up to depths of 100 m!

Save time

- Quick and easy to transport
- Short set-up times
- Start work without delay

Reduce costs

- Superb price-performance ratio
- Low investment costs
- Simple maintenance

Impress customers

- Gentle on gardens
- Fits easily through all doorways
- Engine with noise insulation



Developed & produced in Germany

EPD & POWDER COATING

Drill Rigs B-Series

Drilling in places others can't reach!

The powerful B-Series drill rigs allow you to make drill holes to a depth of 100 m, even in places which are difficult to access.

With a transport width of 88 cm and a height of just 195 cm, these rigs will fit through any door, enabling you to reach back courtyards and enclosed gardens. You can also access drilling points safely on difficult terrain with the help of continuous tracks.

Our drill rigs are thus used for well drilling, geothermal drill holes and geological exploration drilling. Thanks to the low weight, the compact design and the integrated system units, such as the drive train in the continuous tracks, the powerful mud pumps and remote controls, you reduce your investment and set-up costs to a minimum, thus increasing your earnings!

We can provide you with the necessary equipment and a turnkey design concept for almost all requirements. Just ask us for a quote tailored to your needs.



Easily transported to customer on a trailer.



At 88 cm wide, easily fits through all doors and accesses.



Lower the support legs hydraulically and raise the mast.



The B-Series is ready for use after minimum set-up.



Drilling in livestock shed



B 50 ideal for geothermal energy drilling



Drilling in the city with auger



B 25 sounding for unexploded bombs



Piped drilling with preventer



Swivel-out B 50 Drill Head

Technical Data	B 14	B 25	B 35	B 50
Drive unit (Kubota engine)	2 cyl. / 10.8 kW / 15 hp	3 cyl. / 18.5 kW / 25 hp	3 cyl. / 26.1 kW / 36 hp	4 cyl. / 37 kW / 50 hp
Crawler track mm	PT9 rigid Width: 780	PT9 telescopic width: 700-1000	PT15 telescopic width: 700-1000	PT15 telescopic width: 700-1000
Drill mount / pipe m	1.8/1.5	1.8/1.5	1.8/1.5	2.3/2.0 (opt.) 1.8/1.5
Feed / lifting force kN	9	12	23	23
Hydraulic drill head	ABK 315: 90 daNm / 65 rpm	ABK 400: 110 daNm / 70 rpm	ABK 630: 165 daNm / 80 rpm	ABK 800: 200 daNm/ 80 rpm
hydraulic drill head with gearbox (double-stage)	on request	on request	AGBK 3: 290 / 145 daNm / 61/122 rpm	AGBK 5: 440 / 220 daNm / 56/102 rpm
Water drill depth / diameter	25 m / 150 mm	50 m / 170 mm	75 m / 200 mm	100 m / 200 mm
Mud pump / output	30 m³/h – 3 bar (opt.)	40 m³/h – 5 bar	80 m³/h – 5 bar	80 m³/h – 6.8 bar
Dry core drill depth / diameter	–	–	15 m / 146 mm	15 m / 178 mm
Hollow drill auger drilling depth / diameter	–	–	10 m / 185 mm	15 m / 219 mm
Stroke clip clearance/ lifting force/stroke	–	–	Ø 148 - 219 / 100 kN / 200 mm	
Weight t	1.18	1.33	1.78	1.96



Preventer



Remote control



Breaker with hydraulic clamp – standard feature in B-Series models



Water drill head and mud pump are cleverly combined in one.

Ideal for:

Well drilling

Geothermal drilling

Geological exploration drilling

Up to depths of 100 m!

Drill Rigs B-Series

ADLER®
ARBEITSMASCHINEN

PRODUCING QUALITY



Developed & produced in Germany

2013/04 (GB) We reserve the right to modify dimensions, weight and technical data.
Conceptual design & layout: www.werbeagentur-willers.de

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