

AEBI

Aebi Combicut





The company Aebi

An ASH Group company

The ASH Group has a total of 1,650 employees and manufactures its products at facilities in Switzerland, Germany, the Netherlands, Norway, Poland and USA. As part of the group, the Aebi Division in Burgdorf, Switzerland, is a leading global manufacturer of machines for the safe mechanical management and maintenance of steep slopes and particularly challenging terrain.

Heading for success with innovative technology

As traditional Swiss company, Aebi has been manufacturing innovative implement carriers and vehicles for more than 130 years. These decades of comprehensive experience and the employees' technical know-how make Aebi a reliable and competent partner for customers around the world.

Sustainable

Sustainable means the long service life that Aebi products are known for and a guaranteed supply of spare parts over many years. For us, sustainability begins in the development of our products. State-of-the-art technologies help to ensure that energy consumption is kept as low as possible during production. Saving energy and thus reducing CO2 emissions, avoiding waste and optimising the waste flows, as well as using renewable energy sources, is part of our daily responsibility.

Swiss quality – More than a promise

Aebi offers an extensive range of vehicles and machines for challenging green space maintenance as well as municipal and winter service operations. Our products meet the highest requirements and, in this, have only one goal: your satisfaction. Swiss Quality is thus more than a promise – it is our conviction.

Our service is wherever you are

We want our customers to receive all-round great care even after making their purchase. The efficient Aebi spare parts centres and the close-knit network of dealers ensure prompt service in your proximity. We work hard to ensure that the Aebi service technicians receive regular and comprehensive training, and are thus always on the cutting edge of technology.



Welcome to the world of Combicut



Aebi CC66



Aebi CC56



Aebi CC36



Aebi CC110



Aebi Combicut – as versatile as a swiss knife

An all-rounder

- + Tool-free attachment changing
- + Extensive range of attachments
- + Can be used effectively all year round

Easy working in difficult terrain

- + Infinitely variable driving speed
- + Operating comfort
- + Selectable active steering via columns or a hand lever
- + Only a minimal amount of strength is required to steer the machine

Protects the surface

- + Optimal tyre options for every type of work
- + Intelligent, active steering
- + Smooth traction control

Maintains surface grip even on extremely steep slopes

- + Low centre of gravity
- + Wide track width

Powerful range of models

- | | |
|--------------|----------------------------|
| + Aebi CC66 | 16.9 kW / 23 HP 2-cylinder |
| + Aebi CC66 | 13.2 kW / 18 HP 2-cylinder |
| + Aebi CC56 | 11.8 kW / 16 HP 2-cylinder |
| + Aebi CC56 | 9.6 kW / 13 HP 1-cylinder |
| + Aebi CC36 | 7.4 kW / 10 HP 1-cylinder |
| + Aebi CC110 | 5.9 kW / 8 HP 1-cylinder |





One idea. Many solutions.



Working safety

- + Both hands on the steering bar
- + Steers actively in response to the slightest pressure
- + Drives with fingertip control

True comfort

- + Steer without effort
- + On-the-spot turning
- + Vibration-damped steering bar
- + Quieter engines
- + Three speed ranges (CC66)
- + Automatic drive control ADC (CC66)
- + Auxiliary hydraulic system for additional device control (CC66)

A first-class investment

- + Excellent value for money
- + High second-hand demand

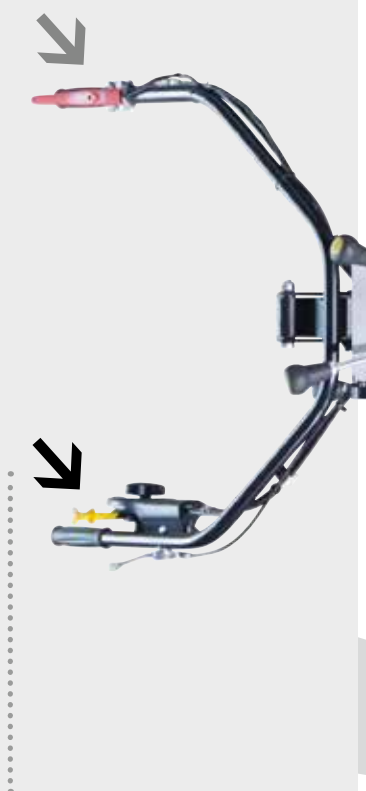


The technical concept

The Combicut has two variable displacement pumps and two hydro motors. These are controlled individually using the steering bar and the drive lever, either mechanically or electronically.

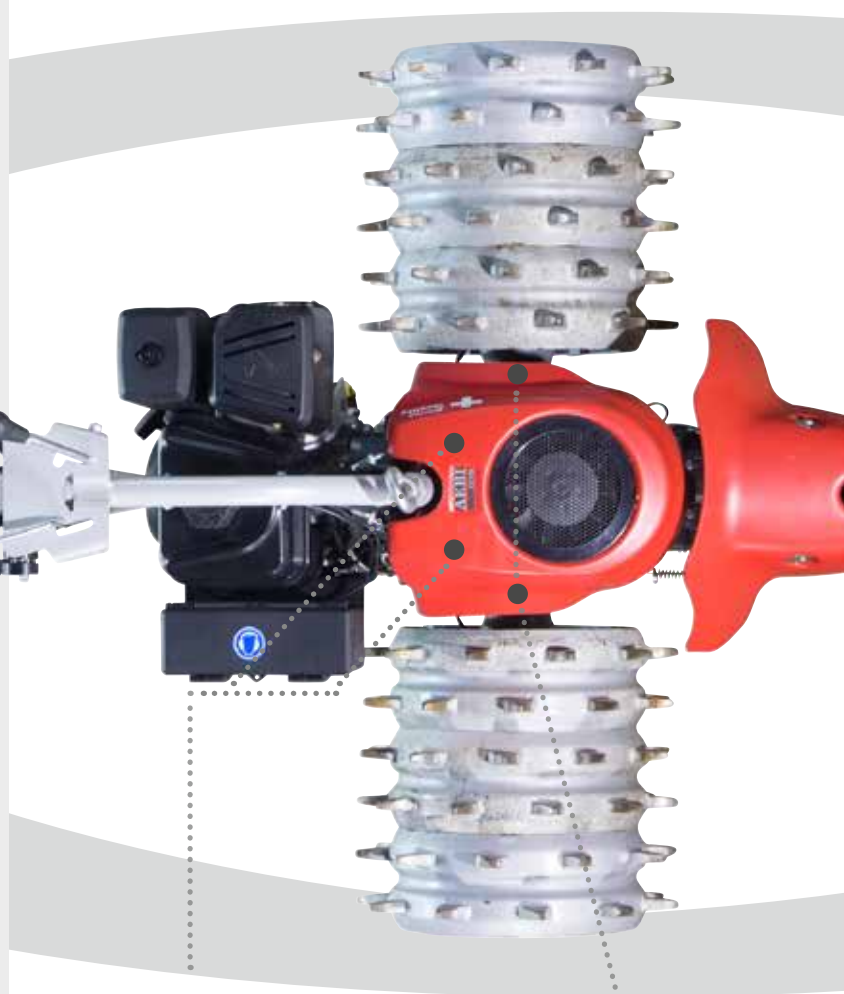
A light pressure on the steering bar to the right and the machine turns to the left. With this hydrostatic steering assistance, the Combicut can be driven very intuitively and steered effortlessly.

No energy is lost when steering, rather the drive to the two wheels is varied. The machine thus stabilises itself with practically no physical effort from the machine operator, even on steep slopes. Even on-the-spot turning manoeuvres can be executed easily. One wheel turns forward and the other wheel turns backward, and the Combicut can be turned around in the smallest of spaces. This manoeuvre can be executed easily, protects the surface and is simply ingenious.



Example of a left turn:

Through light pressure to the right >



the variable displacement pumps are activated via the mechanical steering rods >

*and these control the two hydro motors:
the Combicut turns to the left*



Moreover, on the Combicut Aebi CC36 and CC56 (CC66 option) it is possible to use active steering via levers on the left and right near the handgrips even when the steering bar is locked. This secures the directional stability of the machine during work on steep slopes with heavy attachments without having to forego the convenience of active steering.

The Combicut drive lever is yellow, handy and unimposing. A small thumb movement forwards or backwards is enough and the machine starts to move, exactly according to the command. You have the infinitely adjustable speed selection and direction of travel right under your thumb. When reversing, the drive lever automatically returns to neutral when released. This simple operation in combination with the active steering which responds to light sideways steering pressure borders on magic and gives you the highest level of driving and operating comfort. All operating levers are ergonomically positioned on the steering bar.

The attachments are driven mechanically via the tried and tested Aebi quick coupling. The newly developed mower with integrated safety clutch offers the following benefits:

- + Increased ratchet torque
- + Modular design
- + Low-wear
- + Low-maintenance
- + Integrated into all Aebi mowers





Comfortable and powerful no matter what the task is and at any time of year.

Aebi Combicut – Swiss engineering from the very best!





Aebi CC66: the powerful mower

The professional model in the Combicut range is available with two different motors: a 2-cylinder motor with 18 or 23 HP. The CC66 masterfully manages the operation of high-power and wide attachments. In addition, its hydraulic system allows for the comfortable operation of various device functions. Three speed ranges can be preset by means of switches.

The Aebi CC66 with stepless hydrostatic transmission can be supplemented with several handy options. "Automatic Drive Control" ADC, for example, automatically ensures that the driving speed is always optimally adjusted for the working conditions. Thus, when blowing snow, the driving speed is reduced as the amount of snow increases and automatically increased where there is less snow, without intervention by the driver. This unique, electronically controlled driving mode increases working comfort. Thanks to the auxiliary hydraulic system, device functions can be operated at the push of a button. A double-acting hydraulic valve with two plug-in connectors and 2-pole socket is available as an option. Thus equipped, the C66 offers the greatest possible degree of working comfort.

Comfortable, silent and powerful



Lateral adjustment (CC66 only)



Height adjustment of the steering bar



CC66 engine



Aebi CC56: the universal mower

The basic version of this Combicut has 13 horsepower, but it can also be supplied with a quieter 2-cylinder engine with 16 horsepower. Positioned in the middle of the range, the CC56 has two different steering systems as standard and is equipped with the same tyres as the top-of-the-range model. The possible areas of application are comprehensive and it already allows professional snow-clearing equipment to be used. The stepless hydrostatic traction drive ensures optimum speed even in changing working conditions. The more powerful variants offer particular advantages when it comes to using attachments which require a lot of power such as a flail mower or snow blower, for example.

The technology and many of the machine parts are based on the professional CC66 model with only a few exceptions. Taken together, the solid and robust design, the powerful engines, two active steering options as standard and the comprehensive operating comfort make this a very attractive offering.

Extraordinarily versatile



CC56 steering bar



Height adjustment of the steering bar



CC56 engine



2-cylinder CC56 engine



Aebi CC36: the compact mower

The Aebi CC36 has established itself extremely successfully on the market. With its two selectable active steering options, this single-axle machine can be steered easily and effectively in a wide range of situations. Its low weight also offers real advantages in extreme terrain.

Equipped with a 10 horsepower petrol engine, the Aebi CC36 is a strong all-rounder which can be used in a wide range of ways. A wide variety of medium width working devices are available for wide-ranging applications. With its refined technology and the good features of the larger machines, this Combicut meets the highest demands and is the perfect solution in a wide variety of situations.

Compact and high-performing on steep terrain



CC36 steering bar



Height adjustment of the steering bar



CC36 engine



Aebi CC110: the lightweight mower

The low weight of the CC110 offers clear advantages when it is used on extremely steep slopes. The traction comes together with tyres which are perfectly adapted to the ground conditions and active steering to provide excellent handling in practice.

The petrol engine provides 8 horsepower and runs perfectly even on very steep slopes. The versatility of the lightweight Combicut is almost as great as that of far larger machines. The only real difference is the reduced working width of the attachments which are used. The simple, solid and modern technology and the excellent price-performance ratio make the Aebi CC110 a strong offering.

Strong, light and professional



CC110 steering bar



Height adjustment of the steering bar



CC110 engine





Completes even the hardest work with ease and efficiency.

Aebi Combicut – Smooth driving and excellent steering!





Combicut, the comfortable all-rounder

Versatility increases the economical operation

With its infinitely adjustable hydrostatic traction drive, precisely responsive steering and the quick-fit attachment connector system, the Combicut is an easy to operate single-axle tractor with a wide range of uses. A comprehensive range of attachments is available. This ensures year-round use and reduces downtime for the basic machine. Whether in agriculture, in the maintenance of green areas, for sweeping tasks or in winter services, the Combicut makes the work easier and the handling is a real pleasure.

Agriculture

Without a doubt, the Combicut's speciality is mowing. Depending on the model, maximum working widths of between 1.75 and 2.50 metres are possible and a wide variety of different individual tyres are available to ensure an excellent performance on the steepest slopes. The Aebi quick-fit attachment connector system also means that other attachments can be used. Working with mulch using the flail mower or clearing snow with

the snow plough or the snow blower are other options use which significantly increase the usage rate for the basic machine. The Combicut is more than just comfortable to operate; it can also be used to complete an enormously wide range of tasks.





The Combicut takes even the hardest tasks in its stride

The Combicut Aebi CC110, Aebi CC36, Aebi CC56 and Aebi CC66 are all designed according to the same basic technical concept. They are all equipped with an infinitely variable traction drive with fingertip control and subtly responsive active steering. The result is outstanding driving and working comfort requiring minimal physical effort.

Municipal

If green areas and surfaces on steep or difficult terrain need to be tended or if work needs to be carried out on delicate ground, the Combicut offers nothing but advantages. The use of wide implements and the ease with which the machine can be operated ultimately results in high working efficiency. In addition to mowing using a fingerbar, portal, flail or rotary mower, a wide variety of other attachments can

also be used thanks to the Aebi quick-fit attachment connector system. The attachments can be changed quickly and with no tools required. Snow plough, snow blower, sweeping brush, self-collecting front sweeper, weeding brush, rotary harrow – the virtually endless variety of different attachments available makes the Aebi Combicut a real all-rounder.





Types of tyres

CC110



CC36



CC56 / CC66





The range of fingerbars

Fingerbar	Working width	CC110	CC36	CC56	CC66
Aebi Medium Cut A83 / Normal Cut A81	1.45 m	x	x	x	x
Additional cutter on both sides	1.60 m	x	x	x	x
(1.45 m only Medium Cut A 83)	1.75 m	x	x	x	x
	1.90 m		x	x	x
	2.20 m			x	x
	2.50 m				x



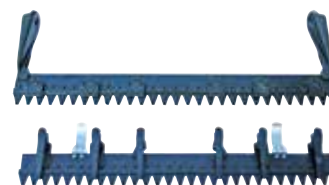
Aebi Medium Cut A83 / Normal Cut A81	1.45 m	x	x	x	x
End plate shoe and mowing plate on both sides	1.60 m	x	x	x	x
	1.90 m		x	x	x



Aebi Medium Cut A83 / Normal Cut A81	1.90 m		x	x	x
Additional cutter left (Zero-cutting fingerbar)					



Universal / Universal-Municipal	1.17 m	x	x	x	x
	1.48 m	x	x	x	x
	1.68 m	x	x	x	x



Double-cutting fingerbar ESM	1.35 m	x	x	x	x
	1.48 m	x	x	x	x
	1.68 m	x	x	x	x



Adjustable weighted sole for Aebi Fingerbar with additional cutter on both sides and double-cutting fingerbar ESM



Aebi Combicut technical details

CC110

Engine type and transmission

Engine type		Basco-Vanguard
Petrol engine	kW / HP	5,9 / 8 (1-cylinder)
Continuous hydrostatic drive		✓
Single-disk dry clutch / Electromagnetic clutch		- / ✓
Speed forward	km/h	0 - 7
Speed backward	km/h	0 - 4
Brake		Hydrostatic
Power take-off shaft		852

Steering

Active steering via handlebar		✓
Hand lever active steering		-
Zero turn steering	mm	✓
Handlebar height / lateral adjustment		✓ / -

Tyres

Standard tyres		4.00-8 AS Options: 16x6.50-8 Terra Spiked wheel 4-row
Width with standard wheels	mm	650
Width with double wheels	mm	901
Dual wheels / cage wheels / twin cage wheels / spiked wheels		✓ / ✓ / ✓ / ✓

Attachment mounting and weight

Aebi quick-change coupling		✓
Cutter bars width min./max	mm	1450 / 1750
Cutter bars fingerless width min./max.	mm	1170 / 1680
Weight without attachment	kg	125

Options

Front working light		✓
Parking brake / mechanical freewheel		- / ✓
Automatic Drive Control ADC		-
Supplementary hydraulics		-
Electric starter for motor		-



CC36



CC56



CC66

Basco-Vanguard	Basco-Vanguard	Basco-Vanguard
7,4 / 10 (1-cylinder)	9.6 / 13 (1-cylinder) or 11.9 / 16 (2-cylinder)	13.2 / 18 or 16.9 / 23 (both 2-cylinder)
✓	✓	✓
✓ / -	✓ / -	✓ / -
0 - 8	0 - 9	0 - 3 / 0 - 6 / 0 - 9
0 - 5	0 - 4	0 - 4
Hydrostatic	Hydrostatic	Hydrostatic
854	858	860
✓	✓	✓
✓	✓	Option
✓	✓	✓
✓ / -	✓ / -	✓ / ✓
5.0-10 AS 21x11.00 Terra Option: Spiked wheels	6.50/80-12 AS 23x8.50-12 Terra 23x8.50-12 Grass Options: 6-12 Street Spiked wheels	6.50/80-12 AS 23x8.50-12 Terra+Grass 23x10.50-12 Terra+Grass Options: 6-12 Street Spiked wheels
748 / 996	1029 / 1032 / 2-Zylinder: 800 / 1032	800 / 1223
1110 / 1702	1339 / 1664	1107 / 1857
✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓
✓	✓	✓
1450 / 1900	1450 / 2200	1450 / 2500
1170 / 1700	1170 / 1700	1170 / 1700
156	202 / 2-cylinder: 217	235
✓	✓	✓
✓ / ✓	✓ / ✓	Standard
-	-	✓
-	-	✓
-	-	✓



CC36 with mower bar



CC66 with portal cutter bar



CC36 with belt windrower



CC56 with reverse cutter



CC66 with hay pusher



CC66 with rotary harrow



CC66 with leaf blower



CC36 with fertiliser spreader



CC66 with flail mower



CC110 with portal rotary mower



CC110 with mower bar



CC110 with flail mower



CC66 with weeding brush



CC110 with sweeping brush

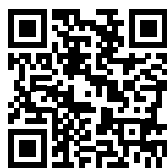


CC56 with snow plough



CC66 with snow blower

Aebi Schmidt Holding AG
Marketing and Communication



Scan and experience the
ASH Group on YouTube

Technical specifications subject to change.
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We will be happy to help you!