

CC 151 / CC 161 / CC 181

Motor mowers/ single axle machine

The new generation of Aebi Combicut Motormower series combines a compact design, precise control and maximum efficiency. Three models with varying power outputs and specifications offer the right solution for a wide range of requirements – from mowing and mulching to snow clearance. Thanks to the patented mechanical implement drive, the optional axle offset and innovative steering systems, the new motorised mowers operate powerfully, economically and with great accuracy.

Highlights

- **A completely new vehicle platform featuring** a compact design, optimised weight distribution and a low centre of gravity
- **Patented mechanical drive system** with direct power transmission and reduced power loss.
- **Flexible steering and driving concepts featuring** active steering, plus electric steering and TipTronic gear selection.
- **Hydraulic axle shift** for optimum adjustment of weight distribution to the attachment and operating conditions – depending on the model and specification
- **Three power ratings of 18, 23 and 33 PS for** a wide range of applications in agriculture and municipal services

Your benefits

- **Efficiency:** Direct mechanical power transmission reduces power loss and enables efficient utilisation of engine perfomance.
- **Control:** A low centre of gravity, balanced weight distribution and flexible steering systems support precise and accurate deployment on slopes.
- **Comfort:** Intuitive handlebar controls with finely graduated speed intervals reduce strain on the driver during long working shifts.
- **Flexibility:** Three power settings and numerous options for a wide range of applications.
- **Cost-effectiveness:** Fewer components and a modular design reduce maintenance requirements and running costs.



The hydraulic axle shift of up to 300 mm **optimises weight distribution depending on the attachment and the task at hand**. This ensures that the Combicut remains perfectly balanced and precisely controllable, even on extremely steep terrain.



Active steering and, on certain models, electric steering **provide precise control even on very steep slopes**. In combination with the footrest, the Combicut can be operated comfortably directly from the machine.

Performance features

Technical Concept

The hydrostatic drive system of the new Combicut series has been thoroughly refined. Planetary end drives efficiently transfer power to the wheels and enable high tractive force at comparatively low hydraulic pressure. The speed of the two wheels is controlled independently of one another, thereby enabling precise and effortless manoeuvring of the machine.
When steering, no energy is wasted unnecessarily; instead, the forward movement of the wheels is precisely modulated to differ as required. This stabilises the Combicut even on steep slopes and allows it to be manoeuvred with minimal effort. When turning, the wheels can rotate in opposite directions, allowing the machine to turn practically on the spot. This increases manoeuvrability in confined spaces whilst also protecting the ground.

User interface concept

All models in the new Combicut range are fitted as standard with the tried-and-tested active steering system. It responds immediately to light lateral pressure on the handlebars, making manoeuvring intuitive and effortless. On the CC 181, electric steering is included as standard, whilst on the CC 161 and CC 151 it is available as an option. It allows for particularly responsive and precise control and can be combined with a footrest. This enables the driver to ride along comfortably on larger, less steep areas – providing noticeable relief during longer working sessions.







The direction of travel and speed are conveniently controlled with the thumb via the drive lever. When in reverse, the lever automatically returns to the neutral position when released. The 10-speed TipTronic also allows the driving speed to be precisely adjusted to suit the task and terrain.

New, patented device drive mechanism

The patented mechanical implement drive transmits engine power directly to the implement without any hydraulic losses. The engine and implement drive are aligned in a straight line, thereby reducing power redirects and power losses. This increases efficiency and reduces fuel consumption by up to 20% compared with a hydraulic implement drive.
An integrated multi-disc clutch protects the implement drive from overload whilst ensuring that the implements start up smoothly. Fewer components in the drivetrain also reduce maintenance requirements.



CC Twin-Wheel Concept

Fitting and changing twin wheels on our single-axle tractors has never been so quick and easy. Thanks to a robust, well-designed adapter system, the twin tyres can be fitted in no time at all – and are compatible with existing tyres and the new pneumatic spiked wheels.
The overall width specified in the technical data applies to machines with an offset axle and is measured across the tyres. Without the offset axle, the machine is 44 mm narrower.
Further information

Agricultural machinery

The extensive Combicut range is designed for demanding agricultural tasks. It performs equally well when mowing, mulching and in other applications involving high-performance attachments, which can be operated efficiently thanks to the engine's high power output and direct mechanical drive. The quick-release attachment system allows different implements to be changed quickly and without the need for tools. This transforms the Combicut from a specialist for forage harvesting into a versatile implement carrier for year-round use.





Municipal engineering

The extensive Combicut range capably demonstrates its versatility in municipal services. Whether it's maintaining green spaces, mulching, weed control or winter maintenance: the compact design, high manoeuvrability and powerful attachment drive enable efficient work even on difficult terrain and in confined spaces. The quick-release attachment system allows a wide range of attachments to be fitted – from mowers and sweepers to snow ploughs and snow blowers.





Attachments

To find out more about attachments, visit https://www.aebi-schmidt.com/de/produkte-loesungen/mehr/#aebi-combicut-anbaugeräte.

Find out more about the new Combicut generation

Discover what sets the new generation of Aebi Combicut machines apart. Find out more about the key innovations, developments and improvements – explained clearly and concisely.

www.aebi-schmidt.com/newcc



Gallery








Variants

CC 151



With **18 hp**, the CC 151 is the entry-level model in the large Combicut Motormower range. The patented mechanical implement drive and active steering come as standard; axle shift and electric steering are available as options.

CC 161



The CC 161 combines **23 hp** with an exceptionally wide range of features and variants. In addition to active steering and a mechanical implement drive, optional extras include axle offset, electric steering, a visual display, a footboard and radio remote control.

CC 181



With **33 hp**, the CC 181 is the most powerful model in the range. Axle shift, active steering, electric steering and a display are all included as standard, complemented by numerous options such as a running board and radio remote control.



The new, patented mechanical implement drive **transmits power directly and efficiently to the implement**. Unlike hydraulic systems, this prevents unnecessary energy losses in the form of heat.

Technical data

	CC 151	CC 161	CC 181
Drive system - Engine			
Engine type	B&S-Vanguard	B&S-Vanguard (EFI)	B&S-Vanguard (EFI)
Number of cylinders	2	2	2
Fuel	Gasoline	Gasoline	Gasoline
Fuel tank	11.5 l	11.5 l	11.5 l
Rated power	13.2 kW (18 HP)	17.2 kW (23 HP)	24.3 kW (33 HP)
Stepless adjustable hydrostatic traction drive	yes	yes	yes
Implement Drive Clutch Type	Multi-Plate Clutch	Multi-Plate Clutch	Multi-Plate Clutch
Brake	Spring-loaded Brake	Spring-loaded Brake	Spring-loaded Brake
PTO shaft speed	860 1/min	860 1/min	860 1/min
Attachment mounting			
Aebi quick-fit attachment connector system	yes	yes	yes
Speed			
Forward speed	0-9 km/h	0-9 km/h	0-9 km/h
Number of driving speeds	3	10	10
Reverse speed	0-4 km/h	0-4 km/h	0-4 km/h
Tyres			
Basic tyres	23x8.50-12 23x10.50-12 26x12.00-12 Air spiked rollers three-row	23x8.50-12 23x10.50-12 26x12.00-12 Air spiked rollers three-row	23x8.50-12 23x10.50-12 26x12.00-12 Air spiked rollers three-row
Width with single tyres - narrow/wide	1,176 / 1,412 mm (23x8.50-12) 1,286 / 1,414 mm (Air spiked rollers three-row)	1,176 / 1,412 mm (23x8.50-12) 1,286 / 1,414 mm (Air spiked rollers three-row)	1,176 / 1,412 mm (23x8.50-12) 1,286 / 1,414 mm (Air spiked rollers three-row)
Width with double tyres - narrow/wide	1,828 / 2,064 mm (23x8.50-12) 1,938 / 2,066 mm (Air spiked rollers three-row)	1,828 / 2,064 mm (23x8.50-12) 1,938 / 2,066 mm (Air spiked rollers three-row)	1,828 / 2,064 mm (23x8.50-12) 1,938 / 2,066 mm (Air spiked rollers three-row)
Aebi Dual Wheel Concept	yes	yes	yes
Equipment			
Active Handlebar Steering	Series	Series	Series
Electric starter for engine	option	Series	Series
Axle Adjustment	option	option	Series
LED lighting system	option	option	option
TipTronic	no	Series	Series
Vision Control (Multifunction display 4.3“)	no	option	Series
Electric Steering	option	option	Series
Two-Stage Handlebar Adjustment	no	option	Series
Footboard	no	option	option
Auxiliary hydraulic system	no	option	option
Weights			
Weight	268 kg	275 kg	298 kg

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