Combicut Aebi CC56/CC66

The peak of mowing technology

Combicut from Aebi
Work is a pleasure with subtle steering and driving comfort
Inclined to perfection

Swiss state-of-the-art engineering, ingenious and multi-functional

Aebi is the leading manufacturer of machines for working efficiently in difficult terrain and on extremely steep slopes. Thanks to the use of Aebi technologies, our customers not only increase their working efficiency but additionally have the comforting assurance that they are using the most innovative engineering on the market.

Extreme terrain is our homeland – the appropriate technology our world

With a broad range of products consisting of the Combicut single-axle tractor with mechanical or hydrostatic traction drive, the Terratrac steep-slope implement carrier, the 4x4 Transporters and the Viatrac with full hydro-pneumatic suspension, we offer precisely the right solution for the most diversified applications in the ground care and agricultural machinery sectors.

Swiss Quality

As an owner-managed, traditional Swiss company, Aebi is proud of its skilled workforce.

The Combicut models are developed and assembled at Aebi’s own production centres. Thanks to optimised work processes and modern manufacturing methods, the Swiss production plants are internationally competitive.

Swiss quality does not just mean building a high-quality machine and developing innovative technologies, but also being able to offer our customers faultless and competent service and support.
The Combicut takes even the hardest task in its stride
The Combicut Aebi CC56 and the Combicut Aebi CC66 are both designed according to the same basic technical concept. Both are equipped with an infinitely variable traction drive with finger tip control and subtly responsive active steering. The result is outstanding driving and working comfort requiring minimal physical effort.

1. Maintains surface grip even on extremely steep slopes
   • Low centre of gravity
   • Wide track width

2. Easy working in difficult terrain
   • Infinitely variable driving speed
   • Operating comfort

3. Protects the surface
   • Optimal tyre equipment for every type of work
   • Intelligent, active steering
   • Smooth traction control

4. An all-rounder
   • Implement change without tools
   • Extensive range of implements

5. Working safety
   • Both hands on the steering bar
   • Steers actively in response to the slightest pressure
   • Drives with finger tip control

6. True comfort
   • Steer without effort
   • Turning on-the-spot
   • Vibration-damped steering bar
   • Low engine noise

7. A first-class investment
   • Excellent value for your money
   • High second-hand demand
Combicut, the comfortable all-rounder

With infinitely adjustable hydrostatic traction drive, precisely reacting steering and the quick-fit implement connector system, the Combicut is an easy to operate, multipurpose single-axle tractor. A comprehensive range of implements is available. This ensures all-year-round use and reduces the time the basic machine is non productive. Whether in agriculture, in the upkeep of grassed areas, with sweeping tasks or for winter services, the Combicut facilitates the work, and the handling is a real pleasure.
Combicut with rotary mower

Combicut with weeding brush

Combicut with flail mower

Combicut with self-collecting front sweeper

Combicut with fertiliser spreader

Combicut with sweeping brush

Combicut with rotary harrow

Combicut with snowplough
The technical concept

Combicut single-axle tractors are equipped with a hydro motor on each wheel. These are controlled individually by 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 – in principle it is precisely the same impulse that with single axle tractors without steering assistance has to be given with a great deal of physical effort. With this hydrostatic steering assistance, the Combicut can be driven very intuitively and steered effortlessly. This means no energy is lost when steering but simply that the drive to the two wheels is varied. Thus the machine remains stable with practically no physical effort by 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.

Furthermore, with the C56 even when the steering bar is locked the active steering can still be used via levers on the left and right near the handgrips. This means that during work on steep slopes with heavy implements, the directional stability of the machine is ensured without losing the convenience of the active steering.

The infinitely adjustable traction drive is controlled by a fingertip control lever and all operating levers are ergonomically positioned on the steering bar. The drive for the implement is mechanical. Using the proven quick-change coupling, which has remained unaltered for decades, all existing implements can continue to be used.

Example of a left turn: Through a 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.
The Combicut is distinguished by the very latest technology and is robustly built

The robust and innovative technology of the Combicut from Aebi provides a great deal of pleasure, since the good characteristics are always noticeable whatever the application.

Combicut Aebi CC56 and CC66: the technical data

<table>
<thead>
<tr>
<th>Engine</th>
<th>Basco-Vanguard, Petrol, 1-cylinder, 4-stroke, 391 cm³, 9.6 kW (13 HP), air-cooled, OHV, regulator, reversing starter and electronic ignition.</th>
<th>Basco-Vanguard, Petrol, 2-cylinder, 4-stroke, 570 cm³, 13.2 kW (18 HP), air-cooled, OHV, regulator, reversing starter and electronic ignition. Option: electric starter and battery.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clutch</td>
<td>Single-disk dry clutch for both the drive and the implement drive.</td>
<td></td>
</tr>
<tr>
<td>Traction drive</td>
<td>Separate hydrostatic drive for each wheel, consisting of an axial piston pump and a Gerotor motor. Option: wheel disengagement on both sides with parking brake.</td>
<td>Separate hydrostatic drive for each wheel, consisting of an axial piston pump and a Gerotor motor. Option: wheel disengagement on both sides. Parking brake.</td>
</tr>
<tr>
<td>Speeds</td>
<td>Forward: 0–9 km/h, reverse: 0–4 km/h. Electric, infinitely variable speed control and deadman’s lever.</td>
<td>Forward: 0–9 km/h, reverse: 0–4 km/h. Electronic, infinitely variable speed control with 3 speed ranges and deadman’s lever.</td>
</tr>
<tr>
<td>Power takeoff</td>
<td>Revolutions: 860 r.p.m.</td>
<td></td>
</tr>
</tbody>
</table>

Combicut Aebi CC56

Combicut Aebi CC66
<table>
<thead>
<tr>
<th>Front implement mounting</th>
<th>Simple to use, two-stage quick-fit coupling with involute gear teeth, operable from the steering bar.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steering</td>
<td>Ergonomically designed, rubber-dampened steering bar, adjustable rapidly in height (even on the move). Active steering, or in the blocked steering bar position, using levers on the left and right next to the handgrips.</td>
</tr>
<tr>
<td>Tyres / outside width</td>
<td>Terra tyres: 23x8.50-12; outside width 1029 mm. Turf tyres: 23x8.50-12; outside width 1029 mm. Traction tyres: 6.50/80-12; outside width 1032 mm. Turf tyres 6-12; outside width 1032 mm.</td>
</tr>
<tr>
<td></td>
<td>Traction tyres: 6.50/80-12; outside width: Standard track 930/1162 mm, Narrow track 800/1032 mm. Terra tyres: 23x8.50-12; outside width: Standard track 994/1222 mm, Narrow track 1092 mm. Turf tyres: 23x8.50-12; outside width: as per Terra tyres above. Terra tyres: 23x10.50-12; outside width: Standard track 1103/1223 mm, Narrow track 1093 mm. Turf tyres: 23x10.50-12; outside width: as per Terra tyres above.</td>
</tr>
<tr>
<td>Weight</td>
<td>210 kg, basic machine without implement. 220 kg, basic machine without implement.</td>
</tr>
<tr>
<td>Implements</td>
<td>Mowing attachments with finger, universal and municipal cutter bars. Mower attachment with reciprocating double-knife cutter bars, rotary mower, flail mower, belt-type side rake, snowblower, snowplough, sweeping brush, self-collecting front sweeper, salt spreader, edge-trimming tool, rotary harrow, weeding brush, path maintenance unit, stone burier etc.</td>
</tr>
<tr>
<td>Optional equipment</td>
<td>Dual wheels 5.0-12, cage wheels, dual cage wheels, spiked wheels and dual spiked wheels.</td>
</tr>
<tr>
<td>Auxiliary hydraulics</td>
<td>– Optional extra: 1 double-action cylinder with 2 front-mounted connectors and 1 front-mounted electrical socket.</td>
</tr>
<tr>
<td>Lighting</td>
<td>Option: Working lights on the steering bar.</td>
</tr>
</tbody>
</table>
Many clever details

The basic equipment of both the Combicut machines is very extensive. Additional equipment is available as optional extras, but in some cases it is only available for a particular model.

**CC66 auxiliary equipment**

- Narrow track version
- Hydraulics: connections ...
- … and operating buttons

**CC56**

- Height adjustment of steering bar
- Sideways adjustment of steering bar (CC66 only)
- Engine CC56
- Engine CC66
- Steering bar CC56
- Steering bar CC66
- Working lights (auxiliary equipment)
Gentle on the surface

The selection of tyres is extremely wide. They can be optimally selected to suit the actual task for which the machine is being used; from smooth turf tyres, Terra and traction tyres, dual tyres and right through to cage or spiked wheels.

<table>
<thead>
<tr>
<th>Traction tyres</th>
<th>Road tread</th>
<th>Turf tread</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.50/80-12</td>
<td>6-12</td>
<td>23x8.50-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>23x10.50-12</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Terra tread</th>
</tr>
</thead>
<tbody>
<tr>
<td>23x8.50-12</td>
</tr>
<tr>
<td>23x10.50-12</td>
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<table>
<thead>
<tr>
<th>Dual wheels</th>
<th>Increased track width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traction tyres 5.00-12</td>
<td>275 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cage wheel</th>
<th>Cage wheel with additional studs</th>
<th>Dual cage wheels with additional studs</th>
<th>Spiked wheel</th>
<th>Dual spiked wheel</th>
</tr>
</thead>
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