

a-mag

off road machines ag ●●●

conti-spreader CS 6-15



Technical Specifications /
Detailed Information

Technical Specifications

Drive unit

Engine power 265 KW / 360 PS – 324 KW / 440 PS

Speed

top speed 88 km / h
Working speed 2.500 m / h

Spreading

Daily output 300 t
Single spread rotor 5 – 18 kg / m²
Twin spread rotor 18 – 70 kg / m²
Binding agents dust based
Spreading width 2,50 m
Spreading with reduction every 50 cm
Spread rotor operation mode automatic / manual
Worm conveyor operation mode automatic / manual
Driver-information-system colour-display

Weights, dimensions

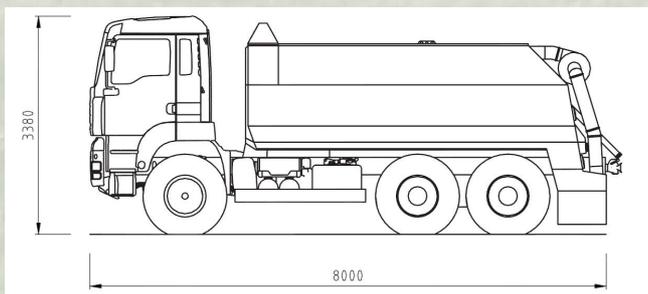
Unladen weight 14,5 t
Payload 15 t
operating weight 29,5 t
overall dimensions (L x W x H) 8,10 x 2,55 x 3,33 m

Fluid capacities

Fuel 400 l
Hydraulic oil 140 l
Cleaning-fluid 45 l
Additional air pressure tank for filter cleaning 60 l

Electrics

24 V
Electric bus system CAN 2.0
Spreading computer 16 bit-System



Detailed Information

High-tech binder sprayers from more than 45 years of practical experience in mixed-in-place.

Our spreaders developed in-house spread the binder accurately controlled by an SPS-Spreading computer.

A binder sprayer tried and tested over 30 years- continuously refined. Patented twin spreading units (capable of spraying 8-70 kg/m²) with integrated weighing device. A large filtering system minimizes dust.

Vehicle

- Custom 3-axle all-terrain vehicle with all-wheel drive and wide off-road tires.

- Wide, low-pressure tires provide optimal traction on any terrain leaving insignificant tracks.

- a rearward pointing camera allows precise reversing and manoeuvring without help of a third party

- Integrated spreader cleaning device with cleaning agent 45 l cleaning agent tank with 12,5 m self-retracting hose and spray gun.

- Central lubrication mechanism keeps the machine greased = low maintenance

- Solid ram guard to protect the spreading area.

Spreader technology:

- Daily output: 300 t cement

- A patented, infinitely variable speed sensitive transmission controls 2 counter-rotating dispensing rollers. This ensures even distribution and binder measurement to the kilogram. By using tin rollers (spread-rotors) output can be from 5 kg/m² (using only a single roller) to 70 kg/m² (using both rollers) keeping the precise measure throughout. The spreaders are equipped with an exact dosing system. The binding agent consistency only needs to be set once, and automatically switches to twin rollers as required.

- Automatic weighing using weight-technology – remaining amount of binding agent is constantly displayed; the spread-computer uses these values for its calculation.

- the dispensing rollers are fed binding agent constantly from the main tank, its fill-level, controlled through sensors for 'current', 'maximum' and 'minimum'.

- Worm conveyor developed and proven over 30 years, no changes in volume as seen with pneumatic spreaders, no spread escapes through the sides as with a conveyor belt.

- Logical economic tank volume: 15 t. The silo truck (max. 29 t) is emptied with only 2 fillings. Multiple trips to the silo truck for tank fillings are not necessary, minimizing costs.

- All dust-based binding agents can be used with the spreader truck.

- Spreading width can be reduced on both sides every 50 cm to closed the dispensing rollers.

- Spreading mechanism is hydrostatic.

Dust-Filter-System:

- Dust-free binding agent transport through a clever no-dust-system: The waste air produced during filling is filtered through self-cleaning, large-volume dust filters; blow back of the binding agent is therefore eliminated. Consequently there are no dust emissions when the binding agent is transferred; waste air is free to dust.

- Minimal dust creation during spreading thanks to the vacuum. Veil no-dust: near dust-free binding agent dispensation due to the low machine height as well as full encompassing dust-vacuum system. The vacuum system around the spread area eliminates dust during spreading and the vacuumed air is filtered using the vehicle-integrated filters. Therefore the spreader can also be employed in dust-sensitive areas (houses, Residential areas). Safety valve with bypass function in case of excessive air volume.

Transport- and operating speed:

- The vehicle is registered for use on public roads and can travel quickly (88km/h) between sites using public roads without arrangements.

- Acoustic and optic warnings when reversing.

User environment and display functionality control system:

- A complex spreader computer (robust industrial SPS) using Can-bus-system automatically controls the spreading using 11 fill-level sensors – with self-diagnosis.

Detailed Information / Equipment

- Operator information system via a large industrial colour TFT display. Central controller with all display functions in the driver's cab.

Fully automatic: The amount of spread is set once by the driver on the display (the value entered is relative to 1m² spread, e.g. 18 kg/m²). The binder distributor constantly adjusts the pre-set amount precisely using the computer throughout the spreading without any driver intervention. The remainder in the binding agent tank is always displayed on the color display leaving the driver no doubt about the remaining treatable area.

- In the unlikely event of an electrical failure operation is still possible due to comprehensive manual controls.

Standard equipment:

- engine power 265 KW/ 360 PS
- gearbox with servo shift, 32 gears
- permanent all-wheel-drive
- differential lock rear axles
- extreme wide desert tyres, even for highway use
- electronic- engine- management
- 2 switchable rotating dispensing rollers for high output
- worn conveyors automatically operated
- clogging indicator for hydraulic oil-filter
- anti lock braking system
- driver comfort seat with lumbar vertebrae support
- Rearward actuated warning signal
- Hobbs meter

- electric windows

-air cleaning device in front and rear

- 2 days training session onsite

-Comprehensive tool kit

-Safety equipment with emergency cut off

-Safety features approved by trade unions

Optional equipment:

- engine power 325 KW / 440 PS

- engine mounted compressor 600cm³

- no dust system, minimal dust creation during spreading

- weight technology – always display the actual payload

- high volume dust filters prevent dust condition whilst filling

- air-filter with pre-filter

- trailer coupling

- central lubrication system – fully automatic

- custom paint

- registered for normal use on public roads

- driver information colour display

- air conditioning

- rearward pointing camera

- 45l cleaning agent tank with 12.5 m hose and spray gun