Frontloader: Efficient disposal of commercial waste

Thanos

Front loader

Compression:
Cycle time approx . 40 seconds

Container emptying:
Cycle time approx. 37 seconds

Load volume:
37 m³ - 45 m³

Hydraulically adjustable forks

Loading process control via joystick

Integrated service recording

Schmidt Kommunalfahrzeuge GmbH
Industriestraße 4
68649 Groß-Rohrheim

As of February 2026
Subject to technical changes

Thanos
FRONT LOADER

Schmidt KOMMUNALFAHRZEUGE
NEW | USED | RENTAL | SERVICE

THE BENCHMARK

Still as bullet-proof as the original

For more than 35 years our FRONT END LOADER has been the benchmark in the UK and Europe, during which time it has evolved through design tweaks and upgrades.

Our latest model is the result of customer feedback and operational requirements

ADDITIONAL FEATURES

» Speed and flexibility from the market leading FRONT END LOADER
» Ergonomic Joystick Controls
» Ergonomically designed for ease of operation and maintenance
» Designed to handle containers from the EN840 & EN12574 series of standards up to 5000 Litre
» Tried, tested and trusted design
» Suitable for a wide variety of 26 & 32 to. chassis
» Fully automatic self levelling forks available
» Compatible with all major weighing systems
» 4 tailgate sizes, and various arm, fork and top door configurations

FRONT END LOADER – a full range of options tailored to your needs.

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TECHNICAL INFORMATION

Body external dimensions (arms down): L 10,200-11,000mm / W 2,542mm / H 2,730mm
Maximum working pressure: 170 bar
Engine revs during working phases: 1,300 rpm (approx)
Lifting arm cycle time[1]: 15 - 17 seconds (same for all models)
Packer cycle time: 32 -38 seconds (same for all models)
Container pump cycle time[2]: 27 - 30 seconds (same for all models)
Maximum bin width[3]: 1,950mm

HYDRAULIC SYSTEM

Pump type (standard): Vane
Maximum operating pressure: 170 Bar
Working RPM: 1,300 approximate
Litres at working RPM: 126 litres/min
Tank capacity (litres): 155
Filter: 100 mesh reusable suction screen 10µ,return filter

CYLINDER SPECIFICATION

Ejector - double acting telescopic
Number of Stages: 3 Bore x Stroke: 140 x 4,623 mm
Tailgate raise - double acting
Bore x Stroke: 76 x 622 mm
Tailgate locks - double acting
Bore x Stroke: 76 x 92 mm
Arms - double acting
Bore x Stroke: 114 x 1,200 mm
Forks - double acting
Bore x Stroke: 102 x 710 mm
Top door - double acting[4]
Bore x Stroke 64 x 2,286 mm

PLATE SPECIFICATIONS (conform to BS EN 10025 S550)

Body sides - thickness: 4 mm	micro alloyed thermomechanical rolled fine-grain structural steel
Body floor - thickness: 4.7 mm	micro alloyed thermomechanical rolled fine-grain structural steel
Roof - thickness: 4 mm	micro alloyed thermomechanical rolled fine-grain structural steel
Hopper floor - thickness: 5 mm	micro alloyed thermomechanical rolled fine-grain structural steel
Hopper side walls: 5 mm	micro alloyed thermomechanical rolled fine-grain structural steel
Tailgate side walls: 3 mm	micro alloyed thermomechanical rolled fine-grain structural steel
Packer: 4.7 mm	micro alloyed thermomechanical rolled fine-grain structural steel

FINISHING

Sandblasting pre-treatment prior to application of 2K epoxy primer surfacer coating
Finished in a customer specific colour range of either 2k High Solid Polyurethane topcoat or Waterborne based metallics & clear coats

[1] Actual figure varies depending on door type fitted; hinged top door 18-20 seconds.
[2] Actual figure varies depending on top door type.
[3] Standard hopper shown. Tapered hopper 2000 mm. Note, measurements include any external pockets or bracing.
[4] Sliding door (SLTD) shown. Rear Hinged top door (RHTD) 102 x 610mm and Side Opening top door (SOTD) 50 x 400mm

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Travel position of the lift gear (upper)

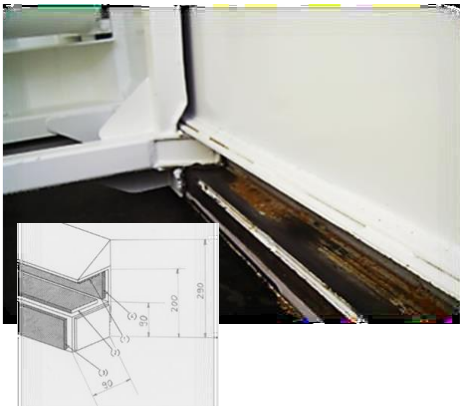
Standard storage position of the fork shaft above the windshield.
If the cover and lift mast are outside the defined positions or the rear section is not closed, the travel speed of the front loader may be limited (optional).

Compression

Cycle time approx . 40 seconds

press plate rail

Two lateral press plate guides
Wear-resistant steel-on-steel rail guide, Hardox 400
No regular replacement of sliding pieces necessary
Non-contact sensors, uniform type, interchangeable (except angle encoder fork and arm shaft)
Service life depending on load in single-shift operation:
- 5 years for the press
- 8 years for the mounting walls



Inverted cabin protection roof

Entry of waste between the superstructure and cabins is reliably prevented. Any waste that falls out prematurely is guided into the superstructure.
Follower panel to reduce the risk of cargo spillage.

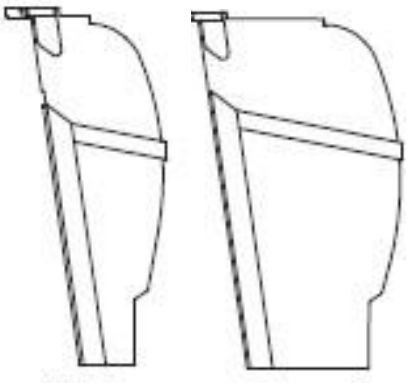
Closed container

Completely closed container
Front wall made of expanded metal mesh prevents material from entering between the structure and the cabin.

CAN bus control

For individual adjustment of loading processes and basic body functions (fork readjustment, tipping positions, lid opening) to company-specific conditions. Guided display and learning of the desired position (direct teach-in) possible without additional programming software and hardware on the control panel in the cab.
Password protection for functions.
The CAN bus control is well protected (splash water, sunlight) and attached to the front of the body. Performance data can be viewed in plain text in the body control system. Essential data includes tipping processes (by container type), pressing processes, full pack, unloading processes, and operating hours of the body.

Loading volume



Up to 41.0 m³ available loading volume

Up to 45.5 m³ available loading volume

Rear section locking monitored separately on both sides by two proximity sensors.

Safety supports at both rear corners of the body.

container emptying

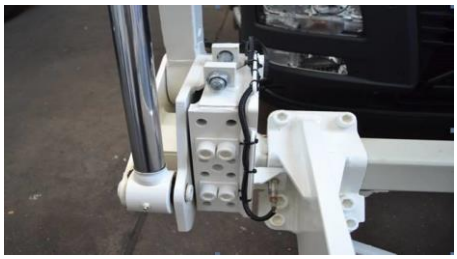
Container emptying cycle time 27-30 seconds.

Fork, hydraulically adjustable

Controllable via switch in the control unit.
One-sided displacement.
Automatic adjustment of the end positions of the tipping angle of the transfer containers depending on the detected fork width.
Possible fork width (inside) from 1,280 to 2,000 mm (standard: 1,280–1,890 mm)
Integrated mount for MGB 1.1 containers via pins or comb strip.
Ideal for 1.1 containers with hinged lids, mounting possible without leaving the cab.
No manual preparation necessary for MGB 1.1 mounting.

Load cells

Universal mount for load cells of various weighing systems.



Camera system

Front camera:
Certified (instead of front mirror)
Additional view of the right-hand container pocket

Rear view camera:
Protected mounting
Reversing camera withwide-angle lens, automatic activation

Waste disposal room camera:
Surveillance camera for waste disposal room with wide-angle lens and LED, automatic activation

All camera images are displayed alternately on the certified 7" screen in the cab.

Structure control

Body control via joystick
Integrated performance recording (standard)
Performance data can be viewed in plain text in the body control system (tipping operations (by container type), pressing operations, full pack, unloading operations, operating hours of the body)

Radio remote control (optional)

Radio remote control for body control
Operation of loading functions from outside the cab
Start of compaction
With emergency stop button
Engine start-stop function

Position lock for operator when using remote control:
Locks the operator to a location during the loading process using a tamper-proof touch panel that ensures a full view of the loading process from the safety area.
Fork movement in the pick-up area is also possible without position locking using the remote control (1.1 pick-up). For 1.1 pick-up using the chamber pick-up.

Integrated underride guard

Rear section with integrated underride guard
Holder for shovel and broom at the rear of the vehicle
Ladder secured to the side of the body with a lock
The attachment points on the left and right are located near the tipping opening, allowing necessary cleaning work to be carried out without having to climb onto the body roof.
No access to the roof for operating personnel
Optional: Kratos fall protection
Securing of the operator using personal protective equipment. Attachment to fixed mounting points.

Ident system

Identification systems from various manufacturers can be installed as desired.

Sleep mode

The body hydraulics are permanently available via the vehicle's permanent power take-off, even while driving. If no body function is called up, the body hydraulics switch off, switch to standby mode, and thus protect all hydraulic components. The body automatically switches to working mode the next time a function is requested. The operating hours counter only records the actual operating times, even if the body has not been switched off.

Lighting

Rotating beacons (2)
Rear series and bottom right on rear underride guard

Work lights on cab front (2)
For perfect illumination of the work area

Manual comb holder forr MGB - DIN 840-1

FL-EHP-GA010

easy handling
manual operation from the outside via hand lever

3. Cover of the filling chute (3rd flap) *FL-EHP-DA005*

additional protection, prevents light particles from flying and settling on the vehicle roof
closes and opens synchronously with side flaps

Louis 360° Camera system, surcharge on standard 3-camera system

FL-EHP-K002

additional option to standard 3 camera systemR46 certified