Experience of your worksite
For decades, MECALAC has been developing and producing high-quality and innovative wheel loaders at the Büdelsdorf site in Northern Germany.

With our articulated loaders, four-wheel steered front loaders and four-wheel steered swing loaders, we are the only manufacturer to offer all concepts for compact loaders. At MECALAC you can choose the best suitable solution for your application.

The unique MECALAC AS 900tele convinces with its enormous reach and lift height as well as with its broad range of applications. With an extensive number of attachments, it is an indispensable all-season working equipment, in particular in municipal areas.
HANDLE YOUR DAILY WORKSITE PROCESS FAST AND EFFICIENTLY - THAT’S WHAT MECALAC SWING LOADERS STAND FOR

The four-wheel steered MECALAC swing loaders featuring a low-torsion, rigid chassis offer the highest stability, maximum agility and efficiency for every worksite. They allow worksite tasks to be completed faster and therefore more productively. The key to productivity is that you can simultaneously drive, steer, swing and telescope while performing your daily loading work.

Versatile operation, ease of maintenance and durable components are warrantors for profitability and synonyms for MECALAC swing loaders.

SUMMARY
FIRM GRIP ON YOUR WORK PROCESS WITH THE AS 900TELE

MECALAC swing loaders are compact, versatile, comfortable, safe, and extremely powerful. Their increased profitability and their innovative swing system have been the key for long-term market leadership in the swing loader sector which they continue to expand.

The AS 900tele combines the advantages of a telescoping wheel loader and a swing loader in a single machine. The enormous lift height and reach make machine operation even more profitable. In this way, you can complete your daily work tasks fast, safely, accurately and without any compromise.

LET'S HAVE A LOOK AT YOUR ADVANTAGES

- 2 DOORS FOR ACCESS FOR EASY Access ON BOTH SIDES
- RIGID CHASSIS
- FOUR-WHEEL STEERING FOR MAX. STABILITY AND FOR EXCELLENT MANOEUVRABILITY
- LOAD-DEPENDENT AXLE SUPPORT
- CHAIN OPERATED SWING SYSTEM WITH CONSTANT AND PRECISE SWING SPEED
- TELESCOPIC ARM WITH Z-KINEMATICS FOR PRECISE PARALLEL LIFTING
- ELECTRO-HYDRAULIC QUICK-COUPLER
- OPTIMAL ACCESS TO ALL SERVICE POINTS
- WIDE RANGE OF ATTACHMENTS
STRONG!
MECALAC TELESCOPIC ARM
LIFT HEIGHT & REACH

The telescopic arm designed by MECALAC was engineered to be rigid and to offer optimum visibility. The swing function increases the effective working area to 180°. The bucket volume range is 0.7-1.2 m³.

Featuring a maximum lift height of 4.72 m with pallet forks, a maximum reach of 3.50 m and a maximum fork payload of 2135 kg, the AS900tele lets you safely and easily complete even demanding tasks.

The zero-play chain swing system providing constant working speed allows easy, efficient and precise work cycles for high productivity.
STABLE PERFECT DURING OPERATION
COMPACT & AGILE

The AS 900tele is the only telescopic swing loader with four-wheel steering.

The extremely robust rigid chassis with four-wheel steering is the basis for maximum stability at maximum performance because the footprint remains unchanged at all times. A turning radius of only 3.71m across the rear warrants the highest possible mobility, even on most confined worksites.

The telescoping arm featuring a swing range of 180° adds to the famed agility and flexibility of the loader that lets you quickly and efficiently complete every task. It is the interplay of our MECALAC technologies that distinguishes our loader and has made it so successful until today.

MECALAC PANORAMA CAB

The spacious cabin and the ergonomically laid out controls offer a convenient workplace for long-term work. Large tinted glass panes ensure an excellent all-round vision which is complemented by two large, hinged rear view mirrors. The mirrors can even be heated as an option. The panorama roof provides an exact overhead view, for example for truck loading. In this way, the telescopic arm and the work area are always in your field of view.
A multi-position comfort seat, convenient oddment trays, ample storage space and a powerful 3-stage ventilation and heating system make daily work a pleasure. A washer system keeps the large front and rear windows clean even in bad weather. A perfect vision is essential, especially in winter. For this reason, the AS 900tele comes with a heated rear window. The even, single-piece floor mat allows for simple and fast cleaning. Due to a great number of equipment options, individual demands on the interior features can be accounted for.
VERSATILE POWER IN EVERY SECTOR
The multi-faceted tasks of communes, road maintenance depots, horticulture and landscaping as well as construction enterprises require an equally versatile machine.

Whether sweeping in summer or snow clearing and salting in winter: The AS 900tele is always a warrantor for clean areas. Operation with a professional mulcher is also an efficient variant for the municipal area. In this way, shoulders or shrubs on the kerb can be quickly and easily taken care of.
**AS 900TELE**

- **RIGID, SINGLE-FRAME CHASSIS FOR MAX. STABILITY**
- **FOUR-WHEEL STEERING SYSTEM WITH AUTOMATIC ALIGNMENT ALLOWS MINIMUM TURNING RADIUS**
- **ZERO-PLAY, CHAIN OPERATED 180° SWING SYSTEM**
- **TELESCOPIC BOOM WITH Z-KINEMATICS**
- **HYDRAULICALLY CONTROLLED QUICK-COUPLER WITH ELECTRIC SAFETY DEVICE**
- **HIGH-PERFORMANCE, POWER-CONTROLLED, HYDROSTATIC FOUR-WHEEL DRIVE**
- **PLANETARY AXLES WITH SELF-LOCKING DIFFERENTIAL ON FRONT AXLE**
- **LOW-MAINTENANCE WET LAMELLA BRAKE**
- **COMFORTABLE PANORAMIC DRIVER’S CABIN WITH ROPS/FOPS SAFETY SYSTEM**
- **SERVO-ASSISTED JOYSTICK CONTROLS**
- **WIDE RANGE OF ATTACHMENTS**

**ENGINE**

- Low-noise, water-cooled Deutz TCD 2.9 L4 turbo diesel engine with intercooler.
- Common Rail injection system, cooled external exhaust gas recirculation and diesel oxidation catalyst (DOC).
- No regeneration necessary.
- Net power at 2600 rpm: 75 hp / 55 kW
- Operating voltage: 12 Volt
- Battery capacity: 95 Ah
- Alternator rating: 120 A

**DRIVE**

- Hydrostatic drive with automotive control, 2 stages for maximum propulsive force, shiftable under load, multifunctional lever (joystick) for drive and working hydraulics control.
- Axles: planetary axles with four-wheel steering for maximum manoeuvrability, oscillating rear axle with suspension.
- Wheels:
  - Tyre size: 16/70-20
  - Optional: 405/70 R20
- Speeds:
  - Road gear: 0-20 km/h
  - Field gear: 0-5 km/h
- Oscillation: max. oscillation angle +/- 10°

**TECHNICAL DATA**

- **OPERATING WEIGHT:** 7250 KG
- **ENGINE POWER:** 55 KW / 75 HP
- **BUCKET CAPACITY:** 0.70 – 1.20 m³

**BUCKET DATA**

- **FILLING CAPACITIES**

<table>
<thead>
<tr>
<th>Fill Type</th>
<th>Capacity</th>
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<tbody>
<tr>
<td>Engine with filter</td>
<td>approx. 8.0 l</td>
</tr>
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<td>Fuel tank</td>
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<td>approx. 12.0 l</td>
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<td>Hydraulic system with tank</td>
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**PERFORMANCE DATA**

- **Crowd angle:** 45°
- **Dump angle top:** 45°
- **Lifting force:** 3700 daN
- **Breakout force:** 4800 daN
- **Thrust force:** 4500 daN

**HYDRAULIC SYSTEM**

- **Circuit (swivelling) single control valve with primary and secondary safeguards**
  - Max. operating pressure at 2600 min⁻¹: 35 l/min and 220 bar
- **Float position for lifting cylinders**
  - 1 lifting cylinder
  - 1 tilting cylinder
  - 2 swing cylinder
  - 1 telescopic cylinder

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### TECHNICAL DATA

#### CHASSIS
- Rigid, single-frame chassis with rear axle support for maximum stability, especially when working in swivelled position
- Sealed articulated/oscillated pivot with play-free, chain operated swinging system with constant turning speed and power
- Telescopic boom with Z-Kinematics for exact parallel lifting
- Operator’s cab with flexible four-point mountings for maximum driver comfort and minimum noise levels
- The servo-assisted joystick controls are smooth, accurate and long lasting

#### STANDARD FEATURES
- Amply dimensioned ROPS panoramic comfort cabin with 2 lockable doors
- FOPS grid for cabin roof
- Doors can be locked in 2 positions within the contour of the loader
- Single piece floor mat for easy cleaning
- Tinted windows
- Parallel guided windscreen wiper
- Rear wiper
- Front and rear screen washing device
- Heated rear window
- 2 large fold away outside mirrors
- Tinted roof window
- Steering column is adjustable in height and inclination
- Ergonomically adjustable joystick
- Multiply adjustable driver’s seat
- Safety belt
- Sun visor
- Heating and ventilation system with recirculation air function
- Main battery switch
- Interior light
- 12 V socket
- Coat hook
- Storage pockets in the cabin
- Storage box with lid
- Lockable storage compartment at the chassis
- Central multifunctional display
- 2 driving lights on cabin roof
- 2 working lights at monoboom
- Single key system
- Hydraulic quick coupler with electric safety device
- Towing coupling
- Fastening and lifting points
- Proportional 1st auxiliary hydraulics circuit is integrated in the joystick
- Color scheme: yellow
- Operator’s cabin, axles and wheels: grey

#### OPTIONAL EQUIPMENT
- 35 km/h version
- Wide tires
- Beacon light
- Interior mirror
- Acoustic back up alarm
- 2nd auxiliary hydraulics
- Permanent function for auxiliary hydraulics
- High performance hydraulic
- Safety valves
- Boom suspension
- Bio-degradable oil fill for hydraulic system
- Pressureless return line
- Inching speed
- Lockable differential on rear axle
- Sliding windows right and left
- Air-conditioning system
- Air suspended driver’s seat
- Radio
- Heated outside mirrors
- Immobilizer
- 2 working lights rear
- Trailer coupling
- Rear mounting bracket for sand/salt spreader
- Special corrosion protection for salt applications
- Attachments as per separate list as pallet fork, load hook etc.

#### EMISSIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine: Emissions according to stage III B - EU-RL 97/68</td>
<td>•</td>
</tr>
<tr>
<td>Noise emission:</td>
<td></td>
</tr>
<tr>
<td>Sound power level LWA&lt;sup&gt;1&lt;/sup&gt;</td>
<td>99 dB(A)</td>
</tr>
<tr>
<td>Acoustic power level LpA&lt;sup&gt;2&lt;/sup&gt;</td>
<td>72 dB(A)</td>
</tr>
<tr>
<td>Vibrations:</td>
<td></td>
</tr>
<tr>
<td>Vibration total value&lt;sup&gt;3&lt;/sup&gt;</td>
<td>&lt; 2.5 m/s²</td>
</tr>
<tr>
<td>Effective vibration level&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&lt; 0.5 m/s²</td>
</tr>
</tbody>
</table>

<sup>1</sup> According to 2000/14/EG
<sup>2</sup> According to ISO 6396
<sup>3</sup> According to ISO/TR 25398
<sup>4</sup> According to ISO/TR 25398

All data based on standard tires.
All data are non-binding.
Changes are reserved without notice.
The order confirmation is exclusively decisive.
TECHNICAL DATA

BUCKETS
STANDARD 0.90 m³

<table>
<thead>
<tr>
<th>AA'</th>
<th>EE</th>
<th>EE'</th>
<th>GG</th>
<th>GG'</th>
<th>H1</th>
<th>H4</th>
<th>H14</th>
<th>HH1</th>
<th>LL</th>
<th>LL'</th>
<th>LL2</th>
<th>LL3</th>
<th>LL3'</th>
<th>LL10</th>
<th>LL10'</th>
<th>W1</th>
<th>W3</th>
<th>WW1</th>
<th>WW2</th>
<th>WW2'</th>
</tr>
</thead>
<tbody>
<tr>
<td>45°</td>
<td>1850</td>
<td>2850</td>
<td>1140</td>
<td>1220</td>
<td>2910</td>
<td>390</td>
<td>440</td>
<td>180</td>
<td>3500</td>
<td>4490</td>
<td>5120</td>
<td>6250</td>
<td>5100</td>
<td>4100</td>
<td>3950</td>
<td>4100</td>
<td>2285</td>
<td>2285</td>
<td>2470</td>
<td></td>
</tr>
</tbody>
</table>
**PAYLOAD (% TIPPING-LOAD)**

**even ground**

<table>
<thead>
<tr>
<th>Location</th>
<th>Payload (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80%</td>
<td>2135 kg</td>
</tr>
<tr>
<td>frontal</td>
<td>1550 kg</td>
</tr>
<tr>
<td>90° swivelled</td>
<td>1610 kg</td>
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**even ground**

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<tr>
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<td>1015 kg</td>
</tr>
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<td>980 kg</td>
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