

Mecalac

AS900tele

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Mecalac





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.

EXPERIENCE OF YOUR WORKSITE AS 900TELE



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.

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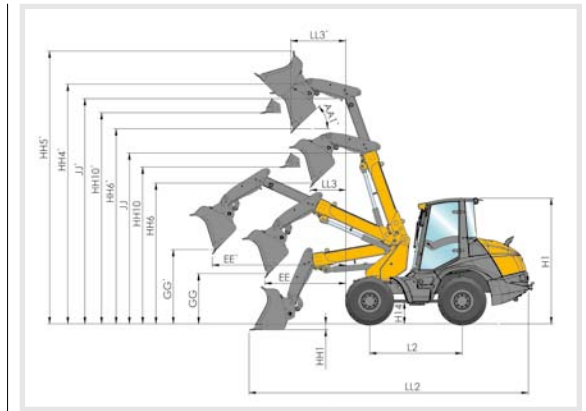
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LET'S HAVE A LOOK AT YOUR **+** ADVANTAGES

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.

- **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



TELES- COPING

POWERFUL

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.



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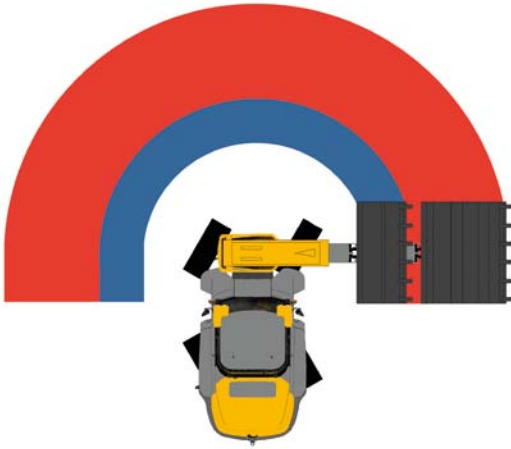
COMPACT & AGILE

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.

Flexibility. Performance. Safety.



**MECALAC
FOUR-WHEEL
STEERING**



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.



SPACIOUS OVERVIEW & COMFORT





COMFORTABLE AND ERGONOMIC

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YOUR WORKPLACE

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 AS 900TELE PERFORMING ALL-SEASON MUNICIPAL WORK

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.



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THE RIGHT TOOL FOR EVERY TASK



TECHNICAL DATA

AS 900TELE

OPERATING WEIGHT:	7250 KG
ENGINE POWER:	55 KW / 75 HP
BUCKET CAPACITY:	0.70 – 1.20 m ³

- 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
acc.to ISO 14396	75 hp / 55 kW
Max. torque at	1600 rpm
acc.to ISO 14396	300 Nm
Air intake filter:	•
2 level dry-air filter with safety cartridge	
Electrical system:	
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	•
Differential lock: self-locking differential in front axle	•
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°

BRAKES

Working brakes:	
1. hydrostatic inching brake	•
2. hydraulically operated, servo-assisted wet lamella brakes on front axle, acting on all 4 wheels	•
Parking brake:	
hydraulically operated spring loaded brake, acting on all 4 wheels	•

STEERING

Hydrostatic four-wheel steering with 3 steering modes (four-wheel, rear axle and crab steer)	•
Max. steering angle:	+/- 35°
Turning radius measured over: rear	3710 mm

HYDRAULIC SYSTEM

Dual-circuit system with gear pumps	
1. Working hydraulics circuit (lift/lower, tilt, telescopic functions, accessories), and steering (via priority valve); three-way control valve with primary and secondary safeguards	•
Max. operating pressure at 2600 min ⁻¹ :	84 l/min and 240 bar
2. Circuit (swivelling) single control valve with primary and secondary safeguards	•
Max. operating pressure at 2.600 min ⁻¹ :	35 l/min and 220 bar
Float position for lifting cylinders	
Cylinders: 1 lifting cylinder	110 ø
1 tilting cylinder	110 ø
2 swing cylinder	100 ø
1 telescopic cylinder	80 ø

PERFORMANCE DATA

Bucket position:	
Crowd angle	45°
Dump angle top	45°
Lifting force:	3700 daN
Breakout force:	4800 daN
Thrust force:	4500 daN
Tipping load, telescope retracted:	
Standard bucket, max. steered, straight	2950 kg
Standard bucket, max. steered, 90°-swivelled	2320 kg
Payload on forks, telescope retracted:	
max. steered, frontal, even terrain	2135 kg
Tipping load according to ISO 14397; Payload according to EN 474-3	

FILLING CAPACITIES

Engine with filter	approx. 8.0 l
Fuel tank	approx. 130.0 l
Front axle total	approx. 11.0 l
Rear axle with gear box	approx. 12.0 l
Hydraulic system with tank	approx. 134.0 l

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

EMISSIONS

Engine: Emissions according to stage III B - EU-RL 97/68	•
Noise emission:	
Sound power level LWA ¹	99 dB(A)
Acoustic power level LpA ²	72 dB(A)
Vibrations:	
Vibration total value ³	< 2,5 m/s ²
Effective vibration level ⁴	< 0.5 m/s ²

¹ According to 2000/14/EG

² According to ISO 6396

³ According to ISO/TR 25398

⁴ According to ISO/TR 25398

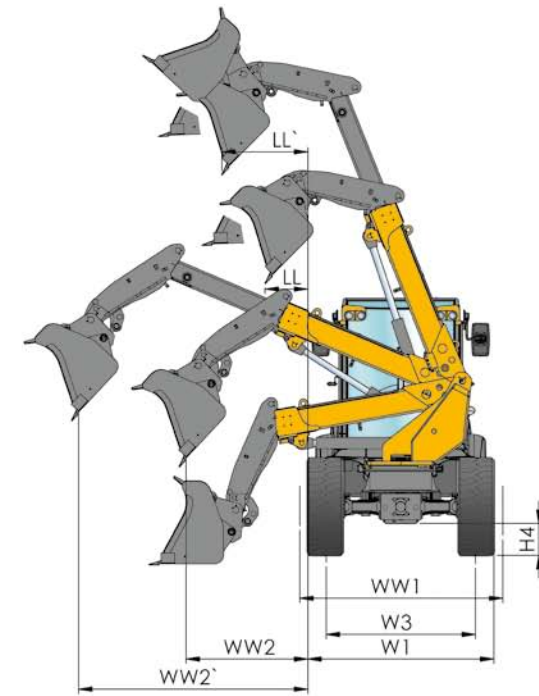
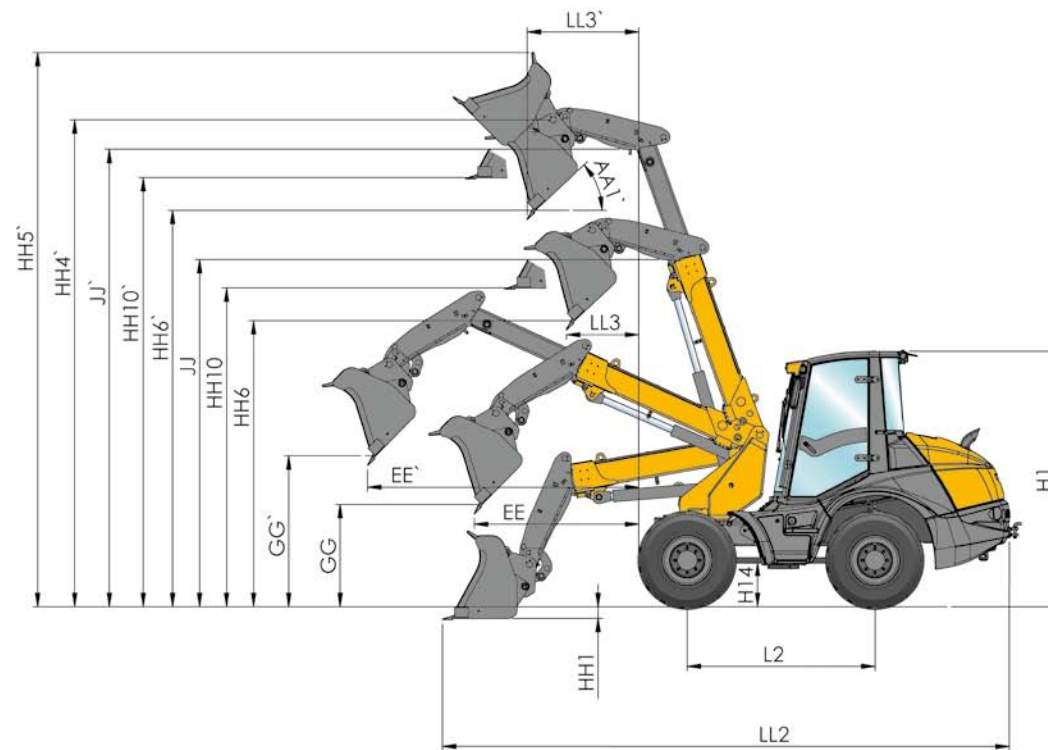
All data based on standard tires.

All data are non-binding.

Changes are reserved without notice.

The order confirmation is exclusively decisive.

TECHNICAL DATA

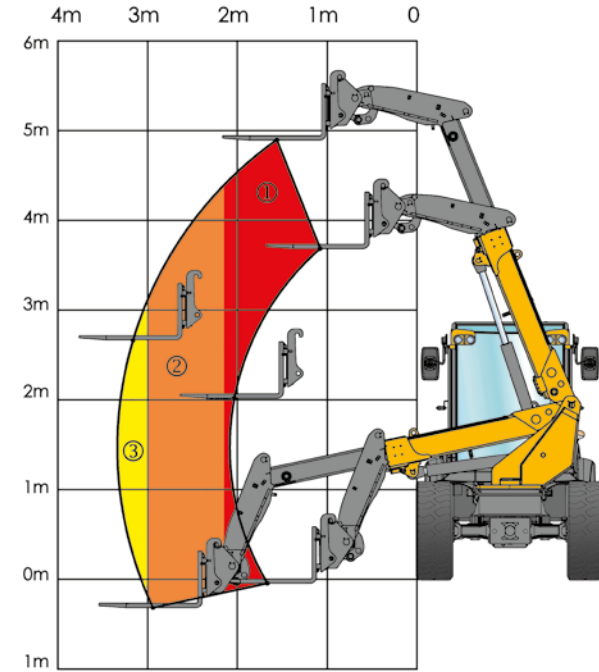
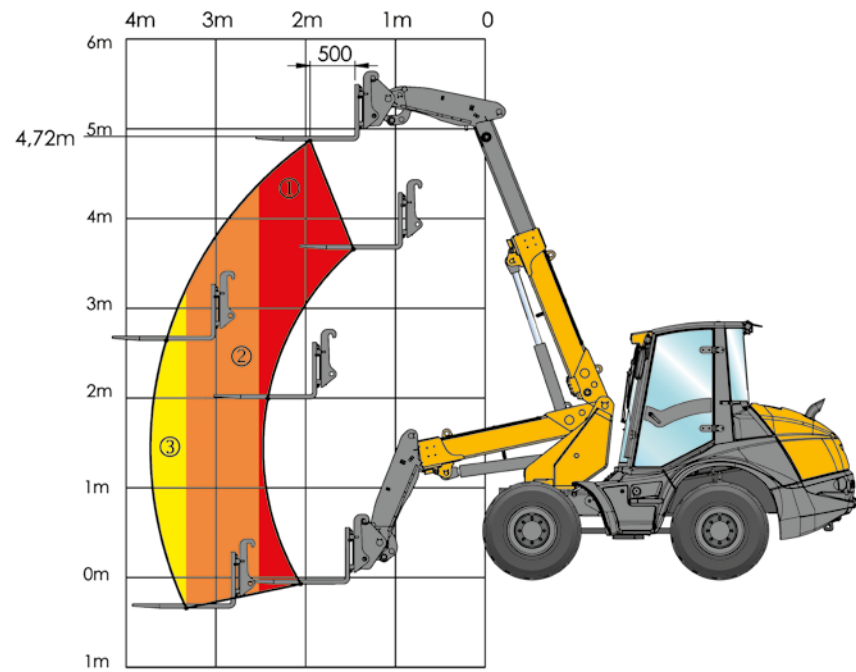


BUCKETS

STANDARD 0.90 m³

AA1'	45°	HH10	3500	LL	460
EE	1850	HH10'	4490	LL'	850
EE'	2850	HH4'	5120'	LL2	6270
GG	1000	HH5'	6250	LL3	840
GG'	1000	HH6'	3100	LL3'	1230
H1	2910	HH6'	4100	W1	2060
H4	390	JJ	3950	W3	1660
H14	440	JJ'	4900	WW1	2100
HH1	180	L2	2085	WW2	1470
				WW2'	2470

TECHNICAL DATA



PAYLOAD (% TIPPING-LOAD)	
even ground	
80%	
frontal	

1.	2135 kg
2.	1550 kg
3.	1410 kg

PAYLOAD (% TIPPING-LOAD)	
even ground	
80%	
90° swivelled	

1.	1600 kg
2.	1015 kg
3.	900 kg



AS 900 *tele* **MECALAC**

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