Mecalac revolutionizes loading

The Mecalac Swing loader – with high efficiency and speed of action – provides top performance on all construction sites.

Its ability to simultaneously drive, maneuver and pivot is key to the high productivity. Switch to space management, mobility and stability.

Switch to

THE SWING CONCEPT

WATCH THE VIDEO
Urban construction sites are often congested, workspace is limited and ground conditions are often compromised. Designed around a one-piece frame with 3 steering modes as standard - 2 wheel steering, 4 wheel steering, crab - the mobility of this machine is 100% assured.

With 4 wheel steering, combined with the 180° swivel arm, the Mecalac Swing can perform a complete rotation on a footprint that is 20% smaller than that of a conventional loader.
Whatever is lifted by the bucket at the front, once the rear axle is locked, can be turned through 180° without any loss of steadiness. Thanks to this incredible stability in all positions and on all terrains, the Swing loader is able to radically transform the logistics of construction sites. Whatever the circumstances, it never loses its equilibrium, whether moving on site, between sites or during the various work stages, maintaining its mobility while reliably and securely overcoming any obstacles with ease. Its small turning radius ensures a very high degree of maneuverability, even on the most confined sites.
SWING CONCEPT

SWING LOADER

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SWIG CONCEPT

Switch to SPACE MANAGEMENT

Mecalac Swing, Immediate Efficiency

Urban construction sites and places with limited space and time are the natural environment for the compact wheeled loader. In addition to this compactness, essential in these environments, the efficiency of a wheeled loader is determined by its loading and unloading cycles.

These cycles consist of many time consuming maneuvers that account for a large proportion of a conventional loaders working time. Taking these considerations as a starting point, the innovative Mecalac Swing loader concept was born.

The swing concept places an even greater focus on the actual operation of a wheeled loader in order to make it more efficient and more comfortable for the driver.

Compactness, Efficiency

Greater benefit in operation has already been achieved by saving time in all maneuvers and avoiding unnecessary movements to optimize the use of the available space on site. The Swing loader, thanks to its arm, pivots instead of having to reposition. As a result, less time is wasted, less noise and visual nuisance are generated, less maintenance is required, and there is a lower risk of accidents and less impact on the environment.

For example, a conventional loader needs 10 meters of footprint to load a truck, the Swing only needs 5 meters.
SANDING A TRENCH

In the same way, not blocking traffic while filling a trench also means time saved and disruption minimized. The unparalleled compactness of the Mecalac Swing loader allows it to dump sand in a single lane where other loaders encroach on two lanes.
TECHNICAL DATA

<table>
<thead>
<tr>
<th>DATA</th>
<th>AS600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>4400 kg (9,700 lb)</td>
</tr>
<tr>
<td>Engine power</td>
<td>36.4 kW/49.5 hp (48.8 imperial hp)</td>
</tr>
<tr>
<td>Bucket capacity</td>
<td>0.6 – 0.8 m³ (0.78 - 1 yd³)</td>
</tr>
</tbody>
</table>

- Zero-play, chain operated 180° swing system
- Comfortable panoramic driver’s cabin with ROPS and FOPS safety system
- Servo-assisted joystick controls
- High-performance, power-controlled, hydrostatic four-wheel drive
- Four-wheel steering system with automatic alignment
- Planetary axles with self-locking differential on front axle
- P-Kinematics
- Excellent parallel lifting characteristics
- Hydraulically controlled quick-coupler with electric safety feature
- Wide range of attachments

### ENGINE

Low-noise, water-cooled Deutz TCD 2.2 L3 turbo diesel engine with intercooler. Common Rail injection system, cooled external exhaust gas recirculation, diesel oxidation catalyst (DOC).

<table>
<thead>
<tr>
<th>DATA</th>
<th>AS600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net power at acc. to ISO 14396</td>
<td>36.4 kW/49.5 hp (48.8 imperial hp)</td>
</tr>
<tr>
<td>Max. torque at acc. to ISO 14396</td>
<td>180 Nm</td>
</tr>
<tr>
<td>Air intake filter: 2-level dry-air filter with safety cartridge</td>
<td></td>
</tr>
<tr>
<td>Electrical system:</td>
<td></td>
</tr>
<tr>
<td>- Operating voltage</td>
<td>12 Volt</td>
</tr>
<tr>
<td>- Battery capacity</td>
<td>95 Ah</td>
</tr>
<tr>
<td>- Alternator rating</td>
<td>120 A</td>
</tr>
</tbody>
</table>

*EU Stage V
U.S. EPA Tier 4 Final*

*Depending on your Local Legislation - Environmental Protection Agency (EPA)
### DRIVE

<table>
<thead>
<tr>
<th>AS600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrostatic drive with automotive control, stages for maximum propulsive force, shiftable under load, multifunctional lever (joystick) for drive and working hydraulics control</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Axles:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planetary axles with four-wheel steering for maximum manoeuvrability, oscillating rear axle with suspension</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Differential lock:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-locking differential in front axle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wheels:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyre size: 12.5-18 15.5/55 R18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Speeds:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road gear 0-20 km/h (0-12 mph) 15.5/55 R18</td>
</tr>
<tr>
<td>Field gear 0-5 km/h (0-3.10 mph)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oscillation: max. oscillation angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>+/-9°</td>
</tr>
</tbody>
</table>

### BRAKES

<table>
<thead>
<tr>
<th>AS600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working brakes:</td>
</tr>
<tr>
<td>1. Hydrostatic inching brake, acting on all 4 wheels</td>
</tr>
<tr>
<td>2. Hydraulically operated disc brake at the front axle, acting on all 4 wheels</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parking brake:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanically activated parking brake, acting on all 4 wheels, with deactivation of the drive</td>
</tr>
</tbody>
</table>

### STEERING

<table>
<thead>
<tr>
<th>AS600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrostatic four-wheel steering with 3 steering modes with automatic alignment (four-wheel, front-wheel and crab steer)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Max. steering angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>+/-35°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Turning radius, measured over: rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>3185 mm (10'4&quot;)</td>
</tr>
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</table>

### HYDRAULIC SYSTEM

<table>
<thead>
<tr>
<th>AS600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual-circuit system with gear pumps</td>
</tr>
</tbody>
</table>

| 1. Working hydraulics circuit (lift/lower, tilt, accessories), and steering (via priority valve); three-way control valve with primary and secondary safeguards |
| Max. operating pressure at 2300 rpm 40 l/min (10.6 gal/min) and 230 bar (3336 psi) |

| 2. Circuit (swivelling) single control valve with primary and secondary protection |
| Max. operating pressure at 2300 rpm 20 l/min (2.4 gal/min) and 200 bar (2900 psi) |

<table>
<thead>
<tr>
<th>Float position for lifting cylinders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder: 2 lifting cylinders 1 tilting cylinder 2 swing cylinders</td>
</tr>
</tbody>
</table>

### PERFORMACE DATA

<table>
<thead>
<tr>
<th>AS600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket position:</td>
</tr>
<tr>
<td>- Crowd angle 45°</td>
</tr>
<tr>
<td>- Dump angle top 45°</td>
</tr>
</tbody>
</table>

| Tipping load: |
| Standard bucket, max. steered, straight 2150 kg (4740 lb) |
| Standard bucket, max. steered, 90°-swivelled 2250 kg (4960 lb) |

| Tipping load and payload on forks: |
| max. steered, frontal, even terrain 1850 kg (4079 lb) |
| max. steered, frontal, even terrain 2050 kg (4519 lb) |

| Payload: |
| max. steered, frontal, even terrain 1500 kg (3307 lb) |
| max. steered, frontal, even terrain 1650 kg (3637 lb) |

| Payload according to EN 474-3 |

| Tipping load according to ISO 14397 |

*With additional counterweight*

### FILLING CAPACITIES

<table>
<thead>
<tr>
<th>AS600</th>
</tr>
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<tbody>
<tr>
<td>Fuel tank approx. 65 l (17.2 gal)</td>
</tr>
</tbody>
</table>

| Hydraulic system with tank approx. 55 l (14.5 gal) |

### CHASSIS

<table>
<thead>
<tr>
<th>AS600</th>
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<tbody>
<tr>
<td>Rigid, single-frame chassis with rear axle support for maximum stability, especially when working in swivelled position</td>
</tr>
</tbody>
</table>

| Sealed articulated/oscillated pivot with play-free, chain operated swinging system with constant turning speed and power |

| 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 |

### NOTE: METRIC MEASUREMENTS ARE THE CRITICAL VALUES

- 1 Litre = 0.26417 US Liquid Gallons
- 1 Litre = 0.21997 Imperial Liquid Gallons
### Standard Features AS600

<table>
<thead>
<tr>
<th>Feature</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Amply dimensioned ROPS and FOPS panoramic comfort cabin with 2 lockable doors</td>
<td></td>
</tr>
<tr>
<td>Single piece floor mat for easy cleaning</td>
<td></td>
</tr>
<tr>
<td>Tinted windows</td>
<td></td>
</tr>
<tr>
<td>Parallel guided windscreen wiper</td>
<td></td>
</tr>
<tr>
<td>Rear wiper</td>
<td></td>
</tr>
<tr>
<td>Front and rear screen washing device</td>
<td></td>
</tr>
<tr>
<td>Heated rear window</td>
<td></td>
</tr>
<tr>
<td>2 large fold away outside mirrors</td>
<td></td>
</tr>
<tr>
<td>Tinted roof window</td>
<td></td>
</tr>
<tr>
<td>Steering column is adjustable in height and inclination</td>
<td></td>
</tr>
<tr>
<td>Ergonomically adjustable joystick</td>
<td></td>
</tr>
<tr>
<td>Multiply adjustable driver’s seat</td>
<td></td>
</tr>
<tr>
<td>Safety belt</td>
<td></td>
</tr>
<tr>
<td>Sun visor</td>
<td></td>
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<tr>
<td>Heating and ventilation system with fresh air filter</td>
<td></td>
</tr>
<tr>
<td>Main battery switch</td>
<td></td>
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<tr>
<td>Interior light</td>
<td></td>
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<tr>
<td>12 V socket</td>
<td></td>
</tr>
<tr>
<td>Coat hook</td>
<td></td>
</tr>
<tr>
<td>Storage pockets in the cabin</td>
<td></td>
</tr>
<tr>
<td>Intuitive modular control panel with onboard computer for machine monitoring</td>
<td></td>
</tr>
<tr>
<td>2 driving lights on cabin roof</td>
<td></td>
</tr>
<tr>
<td>Single key system</td>
<td></td>
</tr>
<tr>
<td>Hydraulic quick coupler with electric safety device</td>
<td></td>
</tr>
<tr>
<td>Towing coupling</td>
<td></td>
</tr>
<tr>
<td>Fastening and lifting points</td>
<td></td>
</tr>
<tr>
<td>On/Off 1st auxiliary hydraulics circuit is integrated in the joystick</td>
<td></td>
</tr>
<tr>
<td>Color scheme: yellow</td>
<td></td>
</tr>
<tr>
<td>Operator’s cabin, axles and wheels: grey</td>
<td></td>
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</tbody>
</table>

### Optional Equipment AS600

<table>
<thead>
<tr>
<th>Feature</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>30 km/h version</td>
<td></td>
</tr>
<tr>
<td>Wide tires</td>
<td></td>
</tr>
<tr>
<td>Interior mirror</td>
<td></td>
</tr>
<tr>
<td>Acoustic back up alarm</td>
<td></td>
</tr>
<tr>
<td>2nd auxiliary hydraulics</td>
<td></td>
</tr>
<tr>
<td>Permanent function for auxiliary hydraulics</td>
<td></td>
</tr>
<tr>
<td>High performance hydraulic</td>
<td></td>
</tr>
<tr>
<td>Safety valves</td>
<td></td>
</tr>
<tr>
<td>Boom suspension</td>
<td></td>
</tr>
<tr>
<td>Bio-degradable oil fill for hydraulic system</td>
<td></td>
</tr>
<tr>
<td>Pressureless return line</td>
<td></td>
</tr>
<tr>
<td>Inching speed</td>
<td></td>
</tr>
<tr>
<td>Lockable differential on rear axle</td>
<td></td>
</tr>
<tr>
<td>Air-conditioning system</td>
<td></td>
</tr>
<tr>
<td>Heated outside mirrors</td>
<td></td>
</tr>
<tr>
<td>Immobilizer</td>
<td></td>
</tr>
<tr>
<td>Diesel Particulate Filter, DPF (standard in Europe)</td>
<td></td>
</tr>
</tbody>
</table>

Standard and optional equipment may vary. Consult your Mecalac dealer for details.
DIMENSIONS

<table>
<thead>
<tr>
<th>MACHINE</th>
<th>AS5000</th>
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</thead>
<tbody>
<tr>
<td>BUCKET</td>
<td>STD. 0.6 m³ (0.78 yd³)</td>
</tr>
<tr>
<td>A1</td>
<td>45°</td>
</tr>
<tr>
<td>H1</td>
<td>2495 mm (8'2&quot;)</td>
</tr>
<tr>
<td>W1</td>
<td>1585 mm (5'2&quot;)</td>
</tr>
<tr>
<td>W2</td>
<td>1680 mm (5'6&quot;)</td>
</tr>
<tr>
<td>W3</td>
<td>1500 mm (4'11&quot;)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MACHINE</th>
<th>AS5000</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORK</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>1160 mm (3'9&quot;)</td>
</tr>
<tr>
<td>GG</td>
<td>1280 mm (4'2&quot;)</td>
</tr>
<tr>
<td>HBE</td>
<td>40 mm (0'1.6&quot;)</td>
</tr>
<tr>
<td>HBP</td>
<td>3003 mm (9'10&quot;)</td>
</tr>
<tr>
<td>PK</td>
<td>789 mm (2'6&quot;)</td>
</tr>
<tr>
<td>LL</td>
<td>1102 mm (3'7&quot;)</td>
</tr>
<tr>
<td>PP</td>
<td>500 mm (1'7&quot;)</td>
</tr>
</tbody>
</table>
SWING CONCEPT

Switch to SWING

**AS 600**

- **Operational weight (kg):** 4400 (9.700 lb)
- **Power (kW/hp):** 36.4/49.5 (48.8 imperial hp)
- **Bucket volume (m³):** 0.6 - 0.8 (0.78 - 1 yd³)

**AS 700**

- **Operational weight (kg):** 5980 (13,183 lb)
- **Power (kW/hp):** 55.4/75 (74.3 imperial hp)
- **Bucket volume (m³):** 0.7 - 1.2 (0.92 - 1.6 yd³)

NEW SWING CONCEPT

Switch to SWING

AS 600

AS 700
### CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>AS900</th>
<th>AS1600</th>
<th>AS900e</th>
<th>AS210e</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operational weight (kg)</td>
<td>6640 (14,638 lb)</td>
<td>10920 (24,074 lb)</td>
<td>7250 (15,983 lb)</td>
<td>15000 (33,070 lb)</td>
</tr>
<tr>
<td>Power (kW/hp)</td>
<td>55.4/75 (74.3 imperial hp)</td>
<td>100/136 (134 imperial hp)</td>
<td>55.4/75 (74.3 imperial hp)</td>
<td>129/175 (173 imperial hp)</td>
</tr>
<tr>
<td>Bucket volume (m³)</td>
<td>0.9 - 1.5 (1.2 - 2 yd³)</td>
<td>1.6 - 2.5 (2.1 - 3.3 yd³)</td>
<td>0.7 - 1.2 (0.92 - 1.6 yd³)</td>
<td>2.1 - 3.0 (3 - 4 yd³)</td>
</tr>
</tbody>
</table>