Combining proactive listening and practical, relevant industrial solutions is the Mecalac approach, meaning we can better size and customize our offers and machines. Our single professional aim is to be partner in the continuous success of each one of our customers and to ensure our products serve as good ambassadors for their companies.

**OUR MISSION**

**OFFER EACH CUSTOMER THE SOLUTION THEY NEED**
40 years of experience, working alongside our clients, has enabled us to develop original solutions and additional innovative solutions...

- **90 kW / 122 HP at 2,200 rpm**
- up to 35 km/ph on the road
- 14100 /15200 kg*
- Three piece boom operated with two asymmetric cylinders** (patented system)
- Pre-selected modes to adapt driving to your preferences and experience.
- X chassis giving self cleaning in muddy conditions.
- **Active Lock**, hydraulic quick coupler
- **Active Control**, load sensing, flow sharing, cylinders coupling

*depending on configuration  - **option
The commands of the 714MW are simple: you are informed of your machine’s configuration at all times. Each interface has been designed to provide maximum comfort and safety of use. The colour screen, together with analogue gauges, allow the operation of the machine to be monitored at a glance. The driving position is perfect, you can focus on the essential. Each control falls naturally under your fingertips. The seat, the armrests and the steering column can all be adapted precisely to suit your needs. The armrests fold-away with the consoles. Your mind is then free to concentrate on your work.
A SINGLE AIM, EASY DRIVING

We have thought of everything to make your life easier.
• The forward pedal will then control the engine revs,
• The brake pedal will no longer block the axle,
• The dipped headlights and revolving light will be activated,
• The rev counter display will change to a speedometer display.
Of course, all these parameters can be customised. The technology then becomes see-through and it’s the machine that adapts to the user.
The 714MW e is perfect for road, drainage and earth-moving applications on sites where space is limited. It fulfills your compactness, performance and profit expectations. Efficiency of the kinematics, quick coupler and compactness render the 714MW e ideal for all operations on work sites which demand an increasing level of profitability. The boom kinematics, the quick coupler and its compactness provide the 714MW e with maximum flexibility adapted to all situations. A key factor in the profitability of your work sites.
With a short radius of 1,600 mm, the 714MW works in a single lane. Furthermore, the kinematics of its equipment render it effective even in extremely restricted working zones (total excavator rotation in less than 3,720 mm). Turning radius of 4,440 mm with 4 steered wheels and the possibility to advance in crab mode minimising movement on site. The offset* of equipment considerably facilitates trench work: the bucket may be offset by 2,300 mm to the right or to the left. This offset is used during surfacing to level, grade and create a right/left incline.

* Optional
Thanks to its kinematics, the boom is efficient in all working positions. The lifting arm system with two asymmetric cylinders guarantees a homogenous lifting force both in the top and bottom end positions. The various speed ranges, up to 35 km/h on road, using a Powershift gearbox, limit the transfer time on site and between sites. The electronic system controls all vital components via the Canbus, optimises excavator operation and indicates essential information to the operator for optimum machine operation.

If you are in the market for a powerful, quick, precise loader, then look no further than the 714MW. Whether the bucket comes equipped with or without teeth or working with a 4x1 multipurpose bucket, the 714MW rises to the occasion each time: being able to take on loads without clogging up roads or construction sites or having to perform an excessive number of maneuvers to reach its goal. All of this with XXL loading capacity!

LOADING
MORE EFFICIENCY
LESS EFFORT REQUIRED

If you are in the market for a powerful, quick, precise loader, then look no further than the 714MW. Whether the bucket comes equipped with or without teeth or working with a 4x1 multipurpose bucket, the 714MW rises to the occasion each time: being able to take on loads without clogging up roads or construction sites or having to perform an excessive number of maneuvers to reach its goal. All of this with XXL loading capacity!
There’s nothing better than maximum efficiency. Thanks to full 360° rotation, the 714MWe optimizes work site operations while minimizing machine movements. Wave goodbye to unnecessary movement and handling operations, say hello to speed and efficiency. Sanding, loading, dumping—there’s nothing it can’t do. Static loading is also an option, offering unmatched strength for both lifting and thrust. Whether working from a pivot position or stationary, the 714MWe will get your work site moving at a faster pace.
Placed on 2 stabilisers, equipped with a lifting hook used to install pipes or remove screening, you will appreciate the lifting capacity of the 714MW. Its DEUTZ engine, with latest technology, 90 kW/122 HP delivers the power required for the most demanding operations.

The axle blocking system provides excellent stability, essential for the handling of heavy loads, even in lateral position.

LOADS UP TO 5 TONS

The figures

HANDLING

HEIGHTENED PERFORMANCE

FROM +7M TO -3M
The 714MW e sets the pace for work site logistics and makes execution easy. Up or down, whatever the challenge, the 714MW e can handle it and then some more. It’s capable of working side-by-side with trucks, or carrying a pallet loaded with material and laying it to rest on the other side of a wall, or even next to the machine itself, whatever you need. Ultra-flexible, versatile: the 714MW e brings profitability and a touch of comfort to complex work sites and/or confined spaces.

The 714MW e digs, loads, handles and may be equipped with numerous attachments. Thanks to Mecalac Active Lock, hydraulic quick coupler, the operator can change tools in only a few seconds.

Thanks to the original boom kinematics and the lifting arm system with two asymmetric cylinders, the operator may easily position a pallet of curb stones even close to the excavator. With the front stabilisers, the machine remains stable even with a heavy load at the end of the jib. Wether using the blade or loader bucket, the 714MW e guarantees perfect levelling of the road before surfacing.

The front swivel axis (+/- 8°) allows movement over all surfaces, even in rough terrain.
The 714MW e comes standard equipped with a number of features, while at the same time remaining attentive to the specifications required by various different types of customers: landscape and earthwork contractors, public works professionals, municipal authorities, etc. So, from the color scheme to the choice of tires, heating/AC or cameras, not to mention to the various attachments, buckets, and hydraulic tools which can be used, there are many different ways to tailor your 714MW e to your brand and business.

### YOUR 714MW e & AVAILABLE OPTIONS

### 714MW e STANDARD EQUIPMENT

#### UNDERCARRIAGE
- Rigid chassis, 4 equal sized propelled wheels, oscillating steering front axle with locking controlled from the cab, limited slip differential on the rigid rear axle
- Oil immersed multi-disc brakes integrated into both axles
- Open circuit hydrostatic drive with 2 speed powershift gearbox (road/construction site), operating in both directions and pedal controlled travel inversion. 3 speed ranges: slow: 0 to 3 kph - medium: 0 to 8 kph - fast: 0 to 33 kph

#### ENGINE
- Turbocharged intercooled “common rail engine” DEUTZ TCD 3.6 Tier 4i, 90 kW, 4 cylinders, water-cooled, automatic slow down

#### KINEMATICS
- 3 or 4-part adjustable boom kinematics
- Two asymmetric boom cylinders with safety valves
- Quick coupler system with hydraulic overlocking Active Lock
- Limit dampers on the cylinders

#### 3 OPERATING MODES
- 3 operating modes: Parking - Working - Road
- Hydraulic-assisted proportional function controls using joysticks

#### THE CAB - COMFORT AND SAFETYS
- Cab access by step
- Electronic control panel with LCD display combining safety and monitoring information, visual indicators, and audible alarms
- Cab with wide view and supreme comfort and ROPS/FOPS standard-compliant with:
  - A sliding swing door, a Mecalac exclusive
  - A fully removable front windshield
  - A sliding window
  - Front working lights
- Steering column with three adjustment controls: 2 for tilt, one for steering wheel height
- Multiple storage areas (A4 documents, bottle, cellular phone, etc.)
- ISO 10263 compliant water heating
- Movable seat, adjustable to the driver’s morphology
OPTIONS
TO TAILOR YOUR 714MW E TO YOUR NEEDS

CUSTOMER COLORS
If you’d like to have your Mecalac 714MW painted in your company’s colors?
Personalize your Mecalac with your own codes RAL.

Colors samples

TIRES
MICHelin 18R19.5 XF single wheels
10.00-20 16PR NB38 MITAS twin wheels
600/40-22.5 ALLIANCE single wheels 331 HD
600/50-22.5 16PR TR08 MITAS single wheels
FOAMED 10.00-20 16PR NB38 MITAS twin wheels
FOAMED 600/40-22.5 ALLIANCE single wheels 331 HD

THE CAB - COMFORT AND SAFETY
Heating and air conditioning
Rotating beacon
Additional front working light
Additional rear working light
FOPS GRID
Radio 2 speakers, USB key port
Cabin sun visor
Windscreen sun visor
Roof window sun visor
Heated pneumatic seat

“HEAVY” COUNTERWEIGHT + 500 KG

RETRACTABLE ACCESS STEPS

4 STEERING WHEELS

OIL
Bio hydraulic oil (BIO 46)
Biologic hydraulic oil PANOLIN (HLP 46)
Mineral hydraulic oil for cold weather (ISO VG 32)
Mineral hydraulic oil for hot weather (ISO VG 68)
Mineral hydraulic oil for very hot weather (ISO VG 100)

AUXILIARY LINES
Main proportional auxiliary line
Additional auxiliary line
Additional proportional auxiliary line
Hammer return line

VALVES
Anti-drop safety valve on boom, intermediate boom, arm and bucket

CLAMSHELL BUCKET ADAPTATION ON UNDERCARRIAGE

QUICK COUPLER
Mecalac quick coupler with hook

LUBRICATION
Turret greasing unit
Centralized, manual lubrication for turret and equipment
(except axles between connecting rod and quick coupler)
Centralized, automatic lubrication for turret and equipment

SAFETY EQUIPMENT
Translation buzzer
Overload buzzer indicator (in addition to the light)

KINEMATICS EQUIPMENT
Mecalac boom without offset
Mecalac boom with offset
Three-piece boom (variable fly without offset)

STABILISERS AND BLADE
Two rear stabilisers, with independent and proportional command, without blade
Two rear stabilisers, front blade, fitted on parallelogram with proportional hydraulic command
Rear blade, fitted on parallelogram with proportional hydraulic command

TIER 4 ENGINE PARTICLES FILTER (DPF)

ELECTRIC GAS OIL PUMP WITH AUTOMATIC STOP

MECKLOCK ANTI-THEFT SYSTEM
### DIGGING BUCKETS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WIDTH (mm)</th>
<th>number of teeth</th>
<th>VOLUME (l)</th>
<th>WEIGHT (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIGGING BUCKET with teeth</td>
<td>450</td>
<td>3</td>
<td>220</td>
<td>286</td>
</tr>
<tr>
<td></td>
<td>500</td>
<td>3</td>
<td>255</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td>3</td>
<td>313</td>
<td>330</td>
</tr>
<tr>
<td></td>
<td>850</td>
<td>4</td>
<td>485</td>
<td>407</td>
</tr>
<tr>
<td></td>
<td>1000</td>
<td>4</td>
<td>590</td>
<td>449</td>
</tr>
<tr>
<td></td>
<td>1200</td>
<td>5</td>
<td>720</td>
<td>513</td>
</tr>
<tr>
<td>DIGGING BUCKET with no teeth</td>
<td>450</td>
<td>-</td>
<td>220</td>
<td>252</td>
</tr>
<tr>
<td></td>
<td>500</td>
<td>-</td>
<td>255</td>
<td>266</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td>-</td>
<td>313</td>
<td>296</td>
</tr>
<tr>
<td></td>
<td>850</td>
<td>-</td>
<td>485</td>
<td>344</td>
</tr>
<tr>
<td></td>
<td>1000</td>
<td>-</td>
<td>590</td>
<td>405</td>
</tr>
<tr>
<td></td>
<td>1200</td>
<td>-</td>
<td>730</td>
<td>460</td>
</tr>
</tbody>
</table>

### NARROW BUCKET

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WIDTH (mm)</th>
<th>number of teeth</th>
<th>VOLUME (l)</th>
<th>WEIGHT (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>NARROW BUCKET</td>
<td>300</td>
<td>2</td>
<td>95</td>
<td>263</td>
</tr>
</tbody>
</table>

### LOADER BUCKETS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WIDTH (mm)</th>
<th>number of teeth</th>
<th>VOLUME (l)</th>
<th>WEIGHT (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOADER BUCKET with teeth</td>
<td>2250</td>
<td>7</td>
<td>1000</td>
<td>543</td>
</tr>
<tr>
<td>LOADER BUCKET with no teeth</td>
<td>2250</td>
<td>-</td>
<td>1000</td>
<td>522</td>
</tr>
</tbody>
</table>

### 4X1 BUCKETS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WIDTH (mm)</th>
<th>number of teeth</th>
<th>VOLUME (l)</th>
<th>WEIGHT (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>4X1 BUCKET with teeth</td>
<td>2520</td>
<td>7</td>
<td>750</td>
<td>701</td>
</tr>
<tr>
<td>TOOTH PROTECTION</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>14</td>
</tr>
<tr>
<td>4X1 BUCKET with no teeth</td>
<td>2520</td>
<td>-</td>
<td>750</td>
<td>679</td>
</tr>
<tr>
<td>BLADE GUARD</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>BOLTED COUNTERBLADE</td>
<td>2520</td>
<td>-</td>
<td>-</td>
<td>71</td>
</tr>
<tr>
<td>7 boreholes - center-to-center borehole distance 380</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>CONNECTION SET</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>8</td>
</tr>
</tbody>
</table>
### Pallet Fork

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Weight (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallet Fork</td>
<td>to be used with 4 safety valves</td>
<td>347</td>
</tr>
</tbody>
</table>

### Ditching Buckets

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Width (mm)</th>
<th>Volume (l)</th>
<th>Weight (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ditching Bucket 1 Coupling</td>
<td></td>
<td>1800</td>
<td>530</td>
<td>443</td>
</tr>
<tr>
<td>Ditching Bucket 3 Couplings</td>
<td></td>
<td>1800</td>
<td>530</td>
<td>508</td>
</tr>
<tr>
<td>Ditching Bucket 1 Coupling</td>
<td></td>
<td>2000</td>
<td>592</td>
<td>480</td>
</tr>
<tr>
<td>Ditching Bucket 3 Couplings</td>
<td></td>
<td>2000</td>
<td>592</td>
<td>545</td>
</tr>
<tr>
<td>Bolted Counter Blade - Jagged</td>
<td></td>
<td>2000</td>
<td>-</td>
<td>38</td>
</tr>
<tr>
<td>Bolted Counter Blade</td>
<td></td>
<td>2000</td>
<td>-</td>
<td>57</td>
</tr>
<tr>
<td>Bolted Counter Blade</td>
<td></td>
<td>1800</td>
<td>-</td>
<td>47</td>
</tr>
</tbody>
</table>

### Handling Plate With Hook

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Weight (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handling Plate with hook</td>
<td>to be used with 3 safety valves</td>
<td>63</td>
</tr>
</tbody>
</table>

### Handling Jib

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Weight (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handling Jib</td>
<td>length 4000 mm, lifting capacity 500 Kg</td>
<td>135</td>
</tr>
</tbody>
</table>

### Clamshell Bucket Support

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Weight (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Support Piece for Clamshell Bucket</td>
<td></td>
<td>93</td>
</tr>
<tr>
<td>Support Piece for Clamshell Bucket</td>
<td></td>
<td>67</td>
</tr>
</tbody>
</table>

### Ripper

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Weight (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ripper Tooth</td>
<td></td>
<td>192</td>
</tr>
</tbody>
</table>

### Hammer Plate

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Weight (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hammer Plate with boreholes</td>
<td></td>
<td>103.5</td>
</tr>
<tr>
<td>Hammer Plate with boreholes</td>
<td></td>
<td>106</td>
</tr>
</tbody>
</table>

*Weight taken with machine in full running order with full fuel, standards tires and operator.
WEIGHT

In running order, without bucket with optional equipment, 18-19.5 tires
- Rear blade
- Rear stabilisers
- Rear stabilisers + blade
- 600/40 tires
- 600/50 tires
- 10.00-20 tires
- “Heavy” counterweight

<table>
<thead>
<tr>
<th>DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>13300 kg</td>
</tr>
<tr>
<td>13300 kg</td>
</tr>
<tr>
<td>13890 kg</td>
</tr>
<tr>
<td>+160 kg</td>
</tr>
<tr>
<td>+190 kg</td>
</tr>
<tr>
<td>+390 kg</td>
</tr>
<tr>
<td>+500 kg</td>
</tr>
</tbody>
</table>

ENGINE

Turbocharged engine with chilled air inlet (stage 3B)
- EGR valve and catalytic converter (DOC)

<table>
<thead>
<tr>
<th>Diesel 4 in-line cylinders</th>
<th>DEUTZ TCD 3.6L4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power DIN 70020</td>
<td>90 kW (122 ch) à 2200 rpm</td>
</tr>
<tr>
<td>Max. torque</td>
<td>480 N.m à 1600 rpm</td>
</tr>
<tr>
<td>Cubic capacity</td>
<td>3621 cm³</td>
</tr>
</tbody>
</table>

Cooling: Water
Air filter: dry, cartridge (with clogging indicator in the cabin)

- Diesel consumption (depending on operating conditions): 8 à 14 l/h
- Sound power level (LWA): 101 dB(A)
- Fuel (diesel): 150 l

ELECTRICAL SYSTEM

- Voltage: 24 V
- Batteries: 2 x 100 Ah/720 A
- Alternator: 55 A
- Starter motor: 4 kW
- Electric sockets sealed

UNDERCARRIAGE

- Inside turning radius
  - 4 steered wheels (optional): 1.93 m
  - 2 steered wheels: 4.44 m
- Outside turning radius
  - 4 steered wheels (optional): 4.44 m
  - 2 steered wheels: 7.36 m
- Blade fitted on a parallelogram:
  - lift height above ground: 426 mm
  - max. blade depth below ground: 150 mm
- Stabilisers controlled independently or in pairs

TRANSMISSION

- Open-circuit hydrostatic transmission
- Travel pedal (two-way) or joystick direction reversal control
- Hydraulic motor coupled to a “Powershift” 2-speed ZF gearbox
- Crawling mode: 3 km/h
- Tortoise mode: 8.5 km/h (According to country)
- Hare mode: 35 km/h (According to country)
- “Cruise control” Optional
- Max. traction force: 8300 daN
- Max. pressure: 350 bar
- Pump flow rate: 140 l/min
- Hydraulic engine: 107 cm³
**AXLES AND WHEELS**

- 4-wheel drive
- Drive axle rigid rear chassis
- Drive axle over front chassis oscillates to +/- 10°; oscillation block involves 2 hydraulic cylinders

**BRACKES**

- Double circuit central braking system
- Oil-immersed multi-disk brakes on each axle

**TURRET**

- Total rotation 360°
- Internal crown wheel drive mechanism
- Swivel with hydraulic motor with brake
- Rotation-speed 10 rpm
- Rotation-torque 3800 daN.m
- Hydraulic motor 1260 cm³
- Max. pressure 240 bar
- Shock absorber for progressive turret rotation, start and stop anks, capacity

**CAB**

- Glass cab with wide view and supreme comfort FOPS/ROPS homologated
- Cab mounted on 4 rubber silent blocks
- Front windshield partly or fully removable under the cab roof
- Sliding door
- Opening door window
- Position adjustable, seat adapts to the shape of the operator seat adjustable in both height and width with seatbelt
- Controls integrated into consoles located on either side of the seat and adjustable relative to the seat
- Water heating system complies with ISO 1026
- Controls carried out via proportional, ergonomic joysticks
- Electronic dashboard containing all safety and monitoring information, visual indicators and alarms
- Fuel levels and coolant temperature indicated on the dashboard
- Dashboard contains a color screen which automatically adapts contrast and light levels to current conditions
- Two front working light
- Rear storage area

**HYDRAULIC DATA**

- Variable displacement pump max. 130 cm³
- Maximum flow rate 270 l/min
- Maximum working pressure 350 bar
- Proportional Load Sensing with individual balancing of each element: boom, adjustable boom, dipper stick, bucket and ancillary
- Proportionality of functions always achieved irrespective of the pressure level of each element: ‘flow sharing’
- Anti-cavitation overpressure relief valve in each element
- Hydraulically-assisted proportional function controls using joystick or foot pedals supplied at low pressure with emergency accumulator
- Associated functions controlled by solenoid-operated valves
- Attachments circuit standard 180 l
- - Max. flow rate
- - Adjustable flow rate to the monitor
- - Proportional function
- - Pressure 200 bar
- Hydraulic oil 140 l

**BOOM**

- Boom control with a patented system composed of two asymmetric cylinders enabling a angle of 140°
- Standard right and left offset with a hydraulic cylinder
- End bearings equipped with sealing rings and greasing via the rings
- Boom cylinders with end of travel shock absorbers
- Quick coupler Active Lock
  - Mecalac quick attach with automatic mechanical locking and hydraulic over-locking.
  - Unlatching controlled hydraulically

- Max. flow rate
- Adjustable flow rate to the monitor
- Proportional function
- Pressure
- Hydraulic oil
TECHNICAL DATA - MECALAC BOOM WITH OFFSET

WORKING CONDITIONS AT LIFTING HOOK
- Equipment used with or without offset (option)
- Oscillation axle blocked
- Without tools (bucket, shovel...) with handling plate and loading hook of 7 T
- Wheels 18-19,5
- 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for optimal position of boom and cylinders

LIFTING FORCE WITH LOADING HOOK - WITH BLADE AND STABILISERS ON GROUND
All the weights are given in kg. The calculations are carried out for the entire range of the Mecalac quick coupler.

<table>
<thead>
<tr>
<th></th>
<th>FRONT SIDE</th>
<th>FRONT SIDE</th>
<th>FRONT SIDE</th>
<th>FRONT SIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 M</td>
<td>6500</td>
<td>6200</td>
<td>4900</td>
<td>2900</td>
</tr>
<tr>
<td>4,5 M</td>
<td>7000</td>
<td>4700</td>
<td>4000</td>
<td>2300</td>
</tr>
<tr>
<td>6 M</td>
<td>7000</td>
<td>4400</td>
<td>4600</td>
<td>2300</td>
</tr>
</tbody>
</table>

LIFTING FORCE WITH LOADING HOOK - ON WHEELS
All the weights are given in kg. The calculations are carried out for the entire range of the Mecalac quick coupler.

<table>
<thead>
<tr>
<th></th>
<th>FRONT SIDE</th>
<th>FRONT SIDE</th>
<th>FRONT SIDE</th>
<th>FRONT SIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 M</td>
<td>6500</td>
<td>4800</td>
<td>3100</td>
<td>2300</td>
</tr>
<tr>
<td>4,5 M</td>
<td>5100</td>
<td>3500</td>
<td>3500</td>
<td>1700</td>
</tr>
<tr>
<td>6 M</td>
<td>4800</td>
<td>3200</td>
<td>2400</td>
<td>1700</td>
</tr>
</tbody>
</table>

MACHINE DIMENSIONS

- Overall length: 5060 mm
- Overall height: 3936 mm
- Machine height (without equipment): 3140 mm
- Cover height: 2205 mm
- Rear overhang: 1600 mm
- Front overhang: 2790 mm
- Wheelbase: 2450 mm
- Clearance beneath blade in raised position: 426 mm
- Width with standard tires: 2390 mm
- Width with twinned tires: 2505 mm
- Width with “stabillarge” tires: 2520 mm
- Height below turret: 1214 mm
- Ground clearance: 370 mm
- Ground clearance: 470 mm
- Counterweight swing radius: 1400 mm
- Counterweight swing radius: 1575 mm
- Folded height: 5815 mm
- Minimum working diameter: 3600 mm
**PERFORMANCE DIGGING BUCKET**

<table>
<thead>
<tr>
<th></th>
<th>3 m</th>
<th>4,5 m</th>
<th>6 m</th>
<th>MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Break-out force</td>
<td>8000 daN</td>
<td>5500 daN</td>
<td>3300 mm</td>
<td>4550 mm</td>
</tr>
<tr>
<td>Penetration/Tear-out force</td>
<td>8000 daN</td>
<td>5500 daN</td>
<td>3300 mm</td>
<td>4550 mm</td>
</tr>
</tbody>
</table>

**LIFTING FORCE WITH PALLET FORKS - WITH BLADE AND STABILISERS ON GROUND**

All the weights are given in kg. The calculations are carried out for the entire range of the Mecalac quick coupler.

<table>
<thead>
<tr>
<th>SIDE</th>
<th>5 MOD</th>
<th>6 MOD</th>
<th>6 MAX</th>
<th>MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 m</td>
<td>2600</td>
<td>2500</td>
<td>1900</td>
<td>1800</td>
</tr>
<tr>
<td>5 m</td>
<td>-</td>
<td>1800</td>
<td>1700</td>
<td>900</td>
</tr>
<tr>
<td>0 m</td>
<td>-</td>
<td>2100</td>
<td>1500</td>
<td>700</td>
</tr>
<tr>
<td>-2 m</td>
<td>-</td>
<td>-</td>
<td>1400</td>
<td>900</td>
</tr>
</tbody>
</table>

**WORKING CONDITIONS LIFTING WITH PALLET FORKS**

- Equipment used with or without offset (option)
- On horizontal, compact ground
- Equipment used without offset
- Oscillation axle blocked
- Without tools (bucket, shovel,…) with handling plate and loading hook of 7 T
- Wheels 18-19,5

**ACCORDING TO ISO 10567**

- 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for the most unfavorable position of boom and cylinders
TECHNICAL DATA - THREE-PIECE BOOM

MACHINE DIMENSIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Overall length</td>
<td>5112 mm</td>
</tr>
<tr>
<td>A’</td>
<td>Overall height</td>
<td>3710 mm</td>
</tr>
<tr>
<td>B</td>
<td>Overall height (without equipment)</td>
<td>3140 mm</td>
</tr>
<tr>
<td>C</td>
<td>Cover height</td>
<td>2205 mm</td>
</tr>
<tr>
<td>C’</td>
<td>Rear overhang</td>
<td>1600 mm</td>
</tr>
<tr>
<td>D</td>
<td>Front overhang</td>
<td>2876 mm</td>
</tr>
<tr>
<td>D’</td>
<td>Front overhang</td>
<td>3659 mm</td>
</tr>
<tr>
<td>E</td>
<td>Wheelbase</td>
<td>2450 mm</td>
</tr>
<tr>
<td>F</td>
<td>Width with standard tires</td>
<td>2390 mm</td>
</tr>
<tr>
<td>G</td>
<td>Height below turret</td>
<td>1214 mm</td>
</tr>
<tr>
<td>H</td>
<td>Ground clearance</td>
<td>370 mm</td>
</tr>
<tr>
<td>I</td>
<td>Ground clearance</td>
<td>470 mm</td>
</tr>
<tr>
<td>J</td>
<td>Counterweight swing radius</td>
<td>1600 mm</td>
</tr>
<tr>
<td>K</td>
<td>Folded height</td>
<td>6120 mm</td>
</tr>
<tr>
<td>L</td>
<td>Minimum working diameter</td>
<td>3200 mm</td>
</tr>
</tbody>
</table>

LIFTING FORCE WITH LOADING HOOK - WITH BLADE AND STABILISERS ON GROUND

<table>
<thead>
<tr>
<th>Lift &amp; Boom</th>
<th>3 M</th>
<th>4.5 M</th>
<th>6 M</th>
<th>MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Side</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LIFTING FORCE WITH LOADING HOOK - ON WHEELS

<table>
<thead>
<tr>
<th>Lift &amp; Boom</th>
<th>3 M</th>
<th>4.5 M</th>
<th>6 M</th>
<th>MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Side</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WORKING CONDITIONS AT LIFTING HOOK

- On horizontal, compact ground
- Equipment used without offset
- Oscillation axle blocked
- Without tools (bucket, shovel...) with handling plate and loading hook of 7 T
- Wheels 18-19.5
- 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for optimal position of boom and cylinders
## PERFORMANCE DIGGING BUCKET

<table>
<thead>
<tr>
<th></th>
<th>3 m</th>
<th>4,5 m</th>
<th>6 m</th>
<th>max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Break-out force</td>
<td>8000 daN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Penetration/Tear-out force</td>
<td>6200 daN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum reach</td>
<td>8900 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum digging depth</td>
<td>4800 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## LIFTING FORCE WITH PALLET FORKS - WITH BLADE AND STABILISERS ON GROUND

All the weights are given in kg. The calculations are carried out for the entire range of the Mecalac quick coupler.

<table>
<thead>
<tr>
<th></th>
<th>SIDE</th>
<th>SIDE</th>
<th>SIDE</th>
<th>SIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6M</td>
<td>2400</td>
<td>1400</td>
<td>1300</td>
<td>1300</td>
</tr>
<tr>
<td>5M</td>
<td>2300</td>
<td>1800</td>
<td>1200</td>
<td>700</td>
</tr>
<tr>
<td>0M</td>
<td>-</td>
<td>2100</td>
<td>1500</td>
<td>600</td>
</tr>
<tr>
<td>-2M</td>
<td>-</td>
<td>-</td>
<td>1400</td>
<td>700</td>
</tr>
</tbody>
</table>

## WORKING CONDITIONS LIFTING WITH PALLET FORKS

Equipment used with or without offset (option)
- On horizontal, compact ground
- Equipment used without offset
- Oscillation axle blocked
- Without tools (bucket, shovel…) with handling plate and loading hook of 7 T
- Wheels 18-19,5

According to ISO 10567
- 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for the most unfavorable position of boom and cylinders