





# 6.2 MPH

# 10KM/H



Innovation moves mountains; it makes the world turn.  
We will never stop coming up with new features, striving  
to improve our current technology and adapting to  
changing realities and constraints faced; we will excel.  
Innovation lies at the very core of what our company  
stands for.

**OUR TRADITION**

# INNOVATION IN MOTION

**MCR**



Mecalac machines originated from a will: only one machine on the site to carry out the work of various machines traditionally used for digging, loading and handling.

On the basis of this concept of innovative patented technologies, Mecalac has designed a new generation of machines, combining the performances of swinging crawler excavators with a loader both compact: the MCR are available in 6, 8 and 10 tons.

# 360° ROTATION



# OUR VISION: A SINGLE MACHINE

Expertise is born out of experience. Ours is based on the concept that you cannot even begin to consider profitability without first taking into account ease of use combined with operational versatility.

When just one driver operating just one machine can handle a wide range of tasks on the same work site with no complicated handling maneuvers to worry about, you start reconsidering completely what you can achieve in the time you have to work with.

In the cab, the driver can turn his compact excavator into a compact loader with a simple selector switch. The Mecalac CONNECT hydraulic quick coupler means that tools can be changed in just a few seconds, without having to get down from the cab. A major innovation is the use of the joystick for translation in loader mode, thus significantly improving productivity, comfort and site organization.



# MORE+ & MORE



## **MECALAC VERSATILE BOOM**

- Variable adjustment, boom folds back at 130°, perfectly integrated offset mechanism
- Lifting control (boom cylinder) with the right joystick

## **CONNECT QUICK COUPLER**

## **DUAL SENSO DRIVE**

- Double closed circuit hydrostatic transmission
- Maximum speed 6.2 mph (10 km/h)

## **TRAVELING WITH THE JOYSTICK**

- Easy to drive
- Intuitive controls



## FLEXIBILITY AT THE HIGHEST LEVEL

The MCR could be considered Mecalac's calling card: innovation, technology, choice of materials and mechanical intelligence are at the forefront of our design in an attempt to continuously improve our products and provide solutions to the constantly evolving needs of our customers. For both urban and suburban environments, as well as for your work site specific needs, the MCR offers maximum profitability thanks to unprecedented performance and ease of use, ushering in a new generation of compact, versatile equipment for the construction sector.

# SUMMARY



**8**  
**DRIVING**



**12**  
**DIGGING**





## **14** LOADING



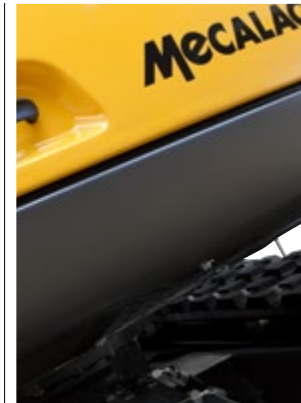
## **16** HANDLING



## **18** TOOL HOLDER



## **20** YOUR MCR & CONFIGURATIONS





Behind the controls of the MCR, the driver has a perfect view of the work site and can simply, effectively, and independently perform a number of actions and tasks safely. From the incredibly spacious cab to the intuitive controls and other customizable parameters, the MCR can only be described as revolutionary.

# SIMPLICITY DRIVES US

**MCR**

**Mecal**



# 1 MOVE

FROM THE  
EXCAVATOR  
MODE TO THE  
LOADER MODE

100%  
MECALAC  
PATENT

## EXCAVATOR OR LOADER!

Thanks to a simple selector-switch, Mecalac patented, the driver can turn his compact excavator into a compact loader and then back again, using the same control. Loading efficiency is maximized, it is made by the skid bucket supported on the blade which increases the machine's efficiency thanks to the force of the thrust transmitted directly from the chassis to the bucket. The operation is performed more accurately using the joystick. The patented Mecalac cylinder coupling function allows to synchronize the adjustable boom cylinder with the stick cylinder for perfect movement coordination and precision.

It makes driving and handling easy, regardless of whether the operator is a novice or experienced. And, whether engaged or not, they're yet another powerful feature along for the ride.





**54FT<sup>2</sup>** 5M<sup>2</sup>  
**OF TOTAL  
VISIBILITY**

## **SEE FURTHER BEYOND**

Constantly keeping an eye on what you're doing with the machine while trying to focus on the work site is a huge responsibility. With the MCR, we've made the driver's direct line of vision a priority. The rear hood lines of the machine have been carefully studied. The windshield is fully retractable, allowing the driver to remain in constant contact with the outside.

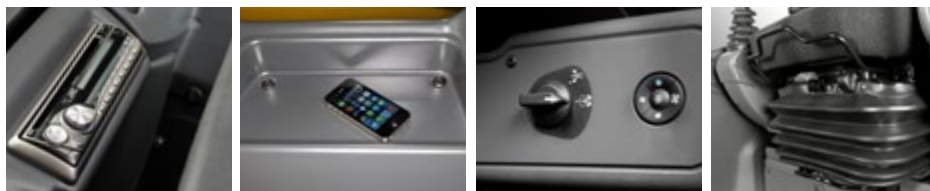
By having just one machine instead of two on a cluttered, narrow, urban site, risks are decreased for both the operator and personnel within the immediate operating area of the machine. Consequently, this reduces risks of collisions and lessens traffic congestion in the immediate area. The operator can also better focus on the job at-hand without the distractions caused by the need to constantly watch the moves of other machines: moreover, as he is independent, the need for manual intervention of colleagues is also reduced. By reducing the number of staff and machines on site, global security is improved.



## MCR MEET ALL INTERNAL AND EXTERNAL PERFORMANCE NEEDS


The MCR can be controlled with remarkable precision with only one hand. The operator is comfortably seated inside a very spacious, well-glazed cab, providing a perfect view and ensuring increased productivity and safety.

A TFT colour screen makes the control panel very easy to use. Regardless of brightness, the operator can easily view all useful information: mode being used, speed, engine speed, number of hours, safety features activated.



Another innovation, Mecalac introduces CONNECT, a new hydraulic quick coupler system. It can be operated from the cabin. Designed to work in both directions, the loss of an attachment is virtually impossible, during the locking or when working in excavator mode or in loader mode. It's the safest and best performing quick coupler system on the market.



A yellow and grey Mecacac MCR excavator is shown in a construction setting, digging into a dirt mound. The machine's arm is extended, and its bucket is positioned near the ground. The operator is visible through the glass of the cab. The background features green trees and a clear blue sky. The machine has "Mecacac" and "MCR" branding on its side.

Consideration to the ever-changing needs of professionals in our industry and the developments required to support them have been at the heart of Mecacac's core values since the company was founded. By combining an excavator and a compact loader in the same machine the MCR embodies these values and represents a revolution in the way sites are organized. Our goal: to modernize working methods and contribute to your sites' productivity by designing the most suitable equipment.

# DETOUR-FREE DIGGING



**6.2** MPH  
10 KM/H

**UNIQUE FOR  
A COMPACT  
CRAWLER  
EXCAVATOR**



## **MECALAC PATENTED VARIABLE ADJUSTMENT BOOM WITH OFFSET**

### **FAST, EFFICIENT AND COST-EFFECTIVE**

The MCRs are fast and efficient. Quick and accurate trench excavation, close to a wall or above an obstacle, removal of materials for recycling, even in the narrowest streets, laying pipes, there is no task that the built-in offset arm of the MCR cannot perform. The unique kinematics of the Mecalac articulated boom allows you to work either directly beside the vehicle to up to 23ft\* (7 m\*) away in a single operation. The high speed up to 6.2mph (10 km/h), available at all times, the ability to quickly change tools thanks to CONNECT, the new Mecalac quick coupler, increase productivity significantly. Fewer machine deployments means lower fuel consumption, less damage and ground compaction, less annoyance for local residents, fewer dangers for site workers, fewer working breaks, finally an incomparable rentability.

\*10MCR





The MCR can be converted into a compact loader in one move, with very little time needed to change from one mode to the other. Familiarization is immediate in each mode of operation.\*

\* The various functions of each mode are automatically activated all together when changing the mode.

# LOAD WHEN YOU CHOOSE



## THE ONLY LOADER WITH 360° ROTATION



## 360° OF FREEDOM

Equip your MCR with a skid bucket in a few seconds thanks to the patented new quick coupler CONNECT and support it against the blade: you'll get two immediate benefits for your performance and for the longevity of your MCR: 1) No constraint on the boom and stick. 2) Increased loading efficiency thanks to the force transmitted directly from the chassis to the bucket. Efficient, precise translation using the joystick, is available at all times.

The MCRs are the only compact loaders with 360° rotation on the market. In addition to the exceptional speed up to 6.2mph (10 km/h), they are perfectly independant, powerful, fast when traveling as well as in each work cycle. They can be used for all types of works and their versatility ensures that your sites are profitable.





Lifting, laying, moving, unloading, storing... The MCR sets the pace for work site logistics and makes execution easy. Up or down, whatever the challenge—the MCR can handle. It's capable of working side-by-side with trucks, or carrying a pallet loaded with material and laying it on the other side of a wall, or even next to the machine itself. Ultra-flexible, versatile: the MCR brings profitability and a touch of comfort to complex work sites and/or confined spaces.

# HANDLING

## UNDER THE GROUND LEVEL, UNIQUE FOR AN EXCAVATOR

# FULL ROTATION WITH A LOAD OF 40% OF THEIR OWN WEIGHT

## REMOVING THE PROBLEM OF REMOVALS

MCRs are equipped with the famous patented Mecalac boom. With the integrated offset, the boom folds 130° backwards to offer maximum stability, associated with exceptional lifting and handling performances.

Even the largest loads can be lifted, moved and then set down smoothly and safely. The boom lifting capabilities and versatility translates into a thousand different uses for landscapers moving earth, preparing the ground, levelling or transporting pallets. Extensive but often cluttered, building sites call for the use of a variety of machines able to adapt to unstable surfaces. They are therefore an ideal environment for the MCR to fully demonstrate their versatility. Transport and deposit of pallets on the ground or in a villa's foundations, quickly and safely for the driver and his environment, this is still an exceptional proof of the incomparable rentability of the jobsites managed with a MCR.





Being a good tool carrier is not just about the possibility to mount tools on a machine. Advances have been made in increasing simplicity as well as efficiency thanks to dedicated innovations. Only Mecalac machines can combine the benefits of an easy coupling system, with a well-balanced machine, a high performing boom and stick to optimize operation with various tool types.

# TOOL CARRIER

## THE STRENGTH OF VERSATILITY

COMPACTOR  
PLANER  
CUTTING BLADE  
HAMMER  
FLAIL MOWER  
TRIMMER



## THE CUSTOMIZABLE WORK SITE

The MCR are true tool-holders and enhance efficiency on site. The initial investment is thus in a single, independent machine, requiring one driver, one transport facility and one maintenance package. In many cases, you won't need another machine.

Turning the MCR into a planer, flail mower, sweeper or mounting a hydraulic hammer in seconds with minimum handling is one of the great strengths of the Mecalac patented quick coupler. The driver is able to change each hydraulic attachment easily, safely and with complete control, leading to a significant increase in productivity which positively effects the profitability of your working site. The Mecalac boom structure allows you to position your tools in the optimal position to apply force in the right direction, preserving the equipment used. Once again, it's time saving and rentability guaranteed.





The MCR comes standard equipped with a number of features, while at the same time remaining attentive to the specifications required by different types of customers: landscape and earthwork contractors, public works professionals, local authorities, etc. So, from the color scheme to the choice of tracks, heating/AC or cameras, not to mention the various attachments, buckets, and hydraulic tools which can be used, there are many different ways to tailor your MCR to your brand and business.

# YOUR MCR & CONFIGURATIONS

## TECHNICAL DATA

WEIGHT	6MCR	8MCR	10MCR
Without load, in working order, without bucket, rubber tracks, with no bucket, full tank of fuel and operator	5700 kg [12,600 lb]	7200 kg [15,900 lb]	9400 kg [20,700 lb]
Additional counterweight	400 kg [880 lb]	425 kg [940 lb]	590 kg [1300 lb]
Ground Pressure (rubber tracks)	width 400 mm [16 in] 0,38 kg/cm <sup>2</sup> [5.4 lb/in <sup>2</sup> ]	width 450 mm [18 in] 0,38 kg/cm <sup>2</sup> [5.4 lb/in <sup>2</sup> ]	width 450 mm [18 in] 0,46 kg/cm <sup>2</sup> [6.5 lb/in <sup>2</sup> ]
Ground Pressure (steel tracks)	width 400 mm [16 in] 0,39 kg/cm <sup>2</sup> [5.5 lb/in <sup>2</sup> ]	width 400 mm [16 in] 0,44 kg/cm <sup>2</sup> [6.2 lb/in <sup>2</sup> ]	width 400 mm [16 in] 0,53 kg/cm <sup>2</sup> [7.5 lb/in <sup>2</sup> ]
ENGINE	6MCR	8MCR	10MCR
Turbo charged engine with intercooler, EGR valve and catalytic converter (DOC), complying with standard	Tier 4 Final Stage IIIB	Tier 4 Final Stage IIIB	Tier 4 Final Stage IIIB
Diesel 4 in-line cylinders	DEUTZ TD 2.9 L4	DEUTZ TCD 2.9 L4	DEUTZ TCD 3.6 L4
Horsepower [DIN 70020]	55,4 kW (75HP)	55,4 kW (75HP)	55,4 kW (75HP)
Engine speed	[74.3 imperial HP] at 2300 rpm	[74.3 imperial HP] at 2000/2300 rpm	[74.3 imperial HP] at 2200 rpm
Max. torque	260 Nm [192 ft.lbf] at 1800 rpm	300 Nm [221 ft.lbf] at 1600 rpm	390 Nm [287 ft.lbf] at 1300 rpm
Cubic capacity	2900 cm <sup>3</sup> [177 in <sup>3</sup> ]	2900 cm <sup>3</sup> [177 in <sup>3</sup> ]	3600 cm <sup>3</sup> [220 in <sup>3</sup> ]
Cooling	water	water	water
Air filter, cyclonic, dry, cartridge	•	•	yes
Machine external sound level	99 dB	99 dB	99 dB
Fuel tank capacity	70 l	73 l	105 l
Cooling system capacity	18 l	20 l	16 l
ELECTRICAL CIRCUIT	6MCR	8MCR	10MCR
Batteries	12 V [100 AH]	12 V [100 AH]	12 V [100 AH]
Voltage	12 V	12 V	12 V
Alternator	14 V [95 A]	14 V [95 A]	14 V [95 A]
Starter	12 V [2.6 kW]	12 V [2.7 kW]	12 V [2.7 kW]
UNDERCARRIAGE	6MCR	8MCR	10MCR
Central X frame chassis. Triangular beams	•	•	•
Rubber tracks	width 400 mm [16 in]	450 mm [18 in]	450 mm [18 in]
Steel tracks	width 400 mm [16 in]	400 mm [16 in]	400 mm [16 in]
Travelling rollers/carry roller	5/1	6/1	6/1
Chain tension: spring shock absorber with grease stress chamber	•	•	•
Levelling blade actuated by a cylinder with safety valve	2030 mm [80 in] 330 mm [13 in]	2100 mm [82.7 in] 423 mm [16.7 in]	2300 mm [90.6 in] 420 mm [16.5 in]
- Width	358 mm [14.1 in]	377 mm [14.8 in]	468 mm [18.4 in]
- Height	340 mm [13.4 in]	327 mm [12.9 in]	248 mm [9.8 in]
- Lift height/ground			
- Max. depth underground			
TRANSMISSION	6MCR	8MCR	10MCR
Closed circuit hydrostatic transmission <b>SENSO DRIVE</b>			
Transmission hydraulics: 1 dual variable displacement pump, automotive power control			
- Flow rate	2x100 l/min [2x26.4 gpm]	2x100 l/min [2x26.4 gpm]	2x100 l/min [2x26.4 gpm]
- Maximum pressure	330 bar [4,800 psi]	360 bar [5,220 psi]	330 bar [4,800 psi]
- 2 x 2 speed gear motors with automatic brakes			
Foot pedal controls in excavator mode	•	•	•
Joystick controls in compact loader mode			
- Tractive force	4000 daN [9,000 lbf]	5400 daN [12,150 lbf]	6800 daN [15,300 lbf]
- Travelling speed	Range I 5 km/h [3.1 mph] Range II 10 km/h [6.2 mph]	5 km/h [3.1 mph] 10 km/h [6.2 mph]	5 km/h [3.1 mph] 9 km/h [5.6 mph]

Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Mecalac dealer to determine what is offered in your area and for proper attachment match.

HYDRAULIC SYSTEM	6MCR	8MCR	10MCR
Hydraulic oil tank	53 l	56 l	77 l
ATTACHMENT AND ROTATION CIRCUIT			
Variable displacement pump	45 cm³ [2.7 in³]	63 cm³ [3.8 in³]	75 cm³ [4.6 in³]
<b>ACTIVE CONTROL</b> power control. "Load Sensing - Flow Sharing" type LUDV main control valve block, proportionality of functions maintained regardless of the pressure level in individual elements	7SX12	7SX12	7SX14
- Maximum flow rate	100 l/min	126 l/min	165 l/min
- Maximum working pressure	280 bar [4,060 psi]	280 bar [4,060 psi]	300 bar [4,350 psi]
STANDARD AUXILIARY LINE			
Maximum flow available	90 l/min	90 l/min	140 l/min
Minimum flow available	20 l/min	20 l/min	35 l/min
Flow can be set via control panel (factory setting)	80l/min	80l/min	80l/min
Pressure can be set between (factory setting) 120 and 280 bar (1,740 and 4,060 psi)	180 bar [2,610 psi]	180 bar [2,610 psi]	180 bar [2,610 psi]
Proportional hydraulic control of the attachment integrated on right-hand joystick	•	•	•
EXTRA AUXILIARY LINE (DIVERTED FROM OFFSET CYLINDER)			
Max. flow available		30 l/min	
Flow can be set via control panel (factory setting)		30 l/min	
Pressure max. (fixed)		max. 280 bar [4,060 psi]	
Proportional hydraulic control of the attachment integrated on right-hand joystick		(option)	
OTHER HYDRAULIC FUNCTIONS			
The <b>cylinder coupling</b> function simultaneously combines the movements of the stick and intermediate boom cylinders to enable operation like with a one-piece boom			
The <b>bucket direction inversion</b> function enables the operator to invert controls of the bucket cylinder with the right joystick to simulate the manoeuvring direction of a loader			
UPPERFRAME	6MCR	8MCR	10MCR
Full swing	360°	360°	360°
Slewing by hydraulic motor with automatic braking assured by discs equipped with anti-bounce pressure relief valve	•	•	•
Driven by internal crown slewing wheel	•	•	•
Swing speed	10 tr/min (10 rpm)	10 tr/min (10 rpm)	10 tr/min (10 rpm)
Swing torque	1330 daNm (9,800 ft.lbf)	1690 daNm (12,400 ft.lbf)	2125 daNm (15,700 ft.lbf)
CAB	6MCR	8MCR	10MCR
Extremely comfortable panoramic cab	ROPS and FOPS approved with guard		
Monocoque cab fastened to 4 spring posts	•	•	•
Front windshield partially or fully retractable	under the cab roof		
Seat can be set and adjusted to operator height and weight	•	•	•
Water heating system compliant with ISO 1026	•	•	•
Controls assisted by ergonomic, proportional joysticks	•	•	•
Dial display of fuel level and coolant temperature	•	•	•
Control panel including colour screen with automatic brightness and contrast setting	•	•	•
Proportional hydraulic control of the attachment integrated on right-hand joystick	•	•	•
Rear storage area	•	•	•
Side camera	(not available)	(not available)	•
Sound level in cab	78 db(A)	78 db(A)	78 db(A)
Air-conditioning	[option]	[option]	[option]
Stereo USB radio - Bluetooth	[option]	[option]	[option]
Heated and air suspended seat	[option]	[option]	[option]

**NOTE:** METRIC MEASUREMENTS ARE THE CRITICAL VALUES

- 1 Litre = 0.26417 US Liquid Gallons
- 1 Litre = 0.21997 Imperial Liquid Gallons

BOOM AND STICK	6MCR	8MCR	10MCR
Mecalac variable kinematics consisting of 4 parts: boom, intermediate boom, offset and stick	•	•	•
Right and left offset by hydraulic cylinder. System enabling all penetration force to be kept regardless of the angular position of the offset	•	•	•
Left offset	1382 mm (54 in)	1554 mm (61 in)	1775 mm (70 in)
Right offset	1824 mm (72 in)	1600 mm (63 in)	2034 mm (80 in)
Boom cylinder with shock absorber	•	•	•
<b>CONNECT</b> coupling system			
- Automatic mechanical locking	•	•	•
- Detection of incorrect locking			
- Hydraulically-controlled unlocking			

#### OPERATING MODES

**EXCAVATOR MODE** enables the machine to be operated like an excavator\*:

- Upperframe swing and stick control with the left joystick
- Bucket and intermediate boom or boom control with the right joystick
- Travelling control using foot pedals


**COMPACT LOADER MODE** enables the machine to be operated like a tracked compact loader:


- Travelling and counter rotation with the left joystick
- Lifting (intermediate boom) and bucket controlled with the right joystick
- Swing capability with the left joystick

\* SAE operating mode available.

## NEW QUICK COUPLER: CONNECT

The new Mecalac quick coupler is compliant with the latest regulations of the EN-471-1 and introduces a new standard, anticipating an even greater safety.





### PRODUCTIVITY

- Reversibility as standard, adapted to all attachments and to the four functions of our machines
- Simple pick-up of attachments, optimum visibility, in both directions
- Maintenance-free, no need for additional lubrication, reduced risks of failure
- The advantage of a compact and light coupler is used to enhance the bucket volume: +10%

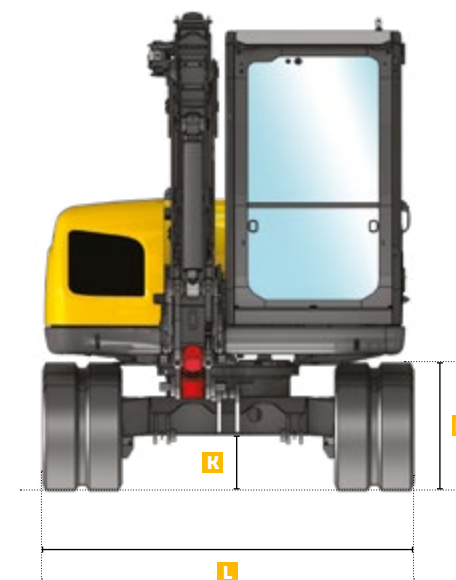
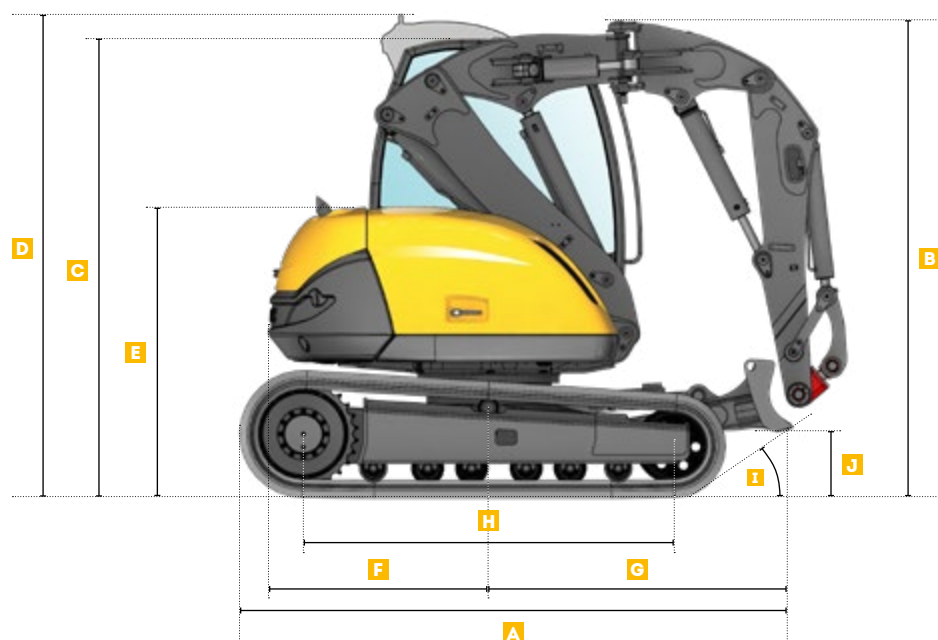
### SAFETY

- Impossible for a bucket to drop. Once lifted off the ground no matter if locked or not, regardless of the direction of the tool, a "hook" system prevents the bucket from falling. Integrated safety-valve in the cylinder
- Continuous detection of the cylinder position, "real time" measurement of the locking of the tool, associated with an acoustic warning signal in the cab
- Automatic hydraulic compensation of play by an over-dimensioned length of the cylinder rod
- Simple user interface, avoiding any risk of mis-operation

### RELIABILITY

- 50HB steel for the eyehooks, the steel used for the buckets is of the worldwide highest durability
- 100% Mecalac: the machine, quick-coupler and attachments: designed to work together. CONNECT is dedicated to Mecalac

# DIMENSIONS



MACHINE DIMENSIONS	6MCR	8MCR	10MCR
<b>A</b> Overall length	2831 mm [9'3"]	3129 mm [10'3"]	3344 mm [10'11"]
<b>B</b> Overall height	2660 mm [8'9"]	2900 mm [9'6"]	3250 mm [10'8"]
<b>C</b> Cab height (without attachment)	2623 mm [8'7"]	2623 mm [8'7"]	2708 mm [8'11"]
<b>D</b> Cab height (without attachment, with AC option)	2751 mm [9']	2751 mm [9']	2836 mm [9'3"]
<b>E</b> Cover height	1621 mm [5'4"]	1648 mm [5'5"]	1760 mm [5'9"]
<b>F</b> Rear overhang*	1170 mm [3'10"]	1254 mm [4'1"]	1385 mm [4'6"]
<b>G</b> Front overhang (without attachment)	1561 mm [5'1"]	1724 mm [5'8"]	1858 mm [6'1"]
<b>H</b> Tumbler distance (average length)	1880 mm [6'2"]	2095 mm [6'11"]	2270 mm [7'5"]

MACHINE DIMENSIONS	6MCR	8MCR	10MCR
<b>I</b> Crossing angle	33°	34°	39°
<b>J</b> Height with blade raised	330 mm [1']	374 mm [1'2"]	470 mm [1'6"]
<b>K</b> Ground clearance	300 mm [1']	300 mm [1']	340 mm [1'1"]
<b>L</b> Width with tracks 400 mm (16in)	2030 mm [6'8"]	2100 mm [6'10"]	2300 mm [7'7"]
<b>L</b> Width with tracks 450 mm (18in)	-	2100 mm [6'10"]	2300 mm [7'7"]
<b>M</b> Height below upperframe	710 mm [2'4"]	710 mm [2'4"]	760 mm [2'6"]

\*For additional counterweight, add 100 mm [3.9in].

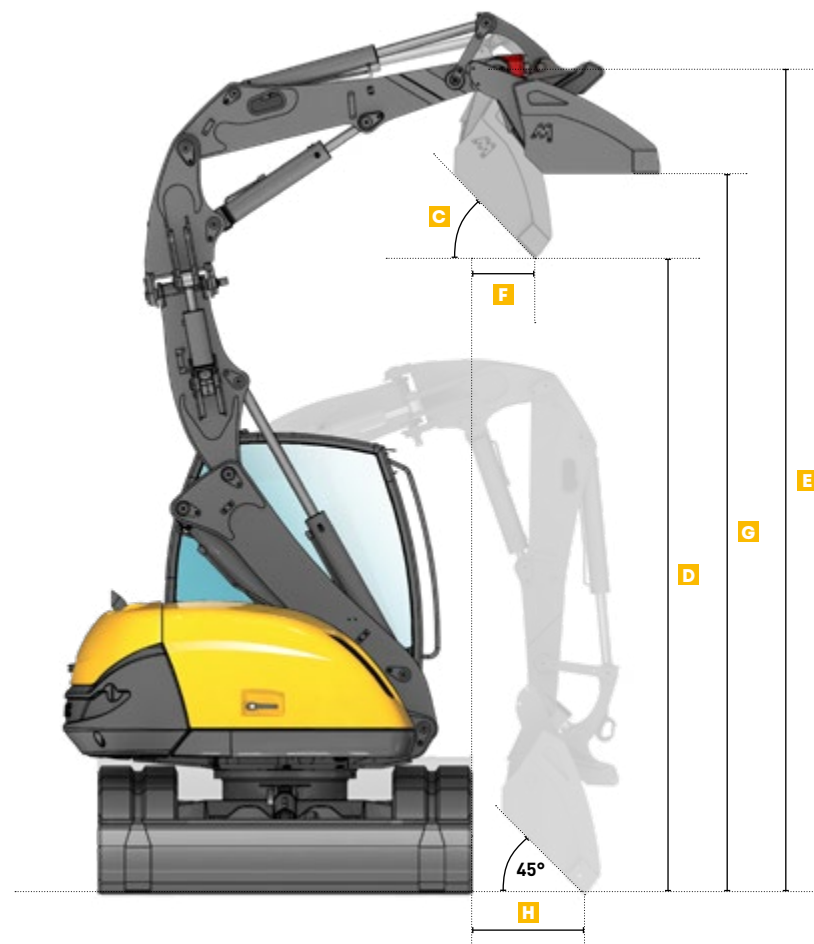
## LOADING



**LOADER MODE, LOADING AND UNLOADING AT 45°, 3M (9'10''). HEIGHT**

MACHINE DIMENSIONS	6MCR	8MCR	10MCR
<b>A</b> Digging angle	35°	37°	37°
<b>B</b> Frontal unloading distance	100 mm [0'4"]	335 mm [1'1"]	608 mm [1'12"]

LOADER PERFORMANCE	6MCR	8MCR	10MCR
Digging force	2600 daN (5,850 lbf)	3300 daN (7,500 lbf)	4400 daN (9,900 lbf)



**UNLOADING AT MAXIMUM HEIGHT IN LOADER MODE AND AT GROUND LEVEL AT 45°**

MACHINE DIMENSIONS	6MCR	8MCR	10MCR
<b>C</b> Unloading angle, maximum height	50°	44°	47°
<b>D</b> Unloading maximum height	3120 mm [10'3"]	3571 mm [11'8"]	3728 mm [12'3"]
<b>E</b> Quick coupler axle: maximum height	4196 mm [13'9"]	4636 mm [15'2"]	4930 mm [16'2"]
<b>F</b> Lateral unloading distance	325 mm [1']	348 mm [1'2"]	633 mm [2']
<b>G</b> Height of the bucket, horizontal	3612 mm [11'10"]	4051 mm [13'3"]	4265 mm [13'12"]
<b>H</b> Distance at crawlers	610 mm [2']	630 mm [2'0.8"]	1140 mm [3'9"]



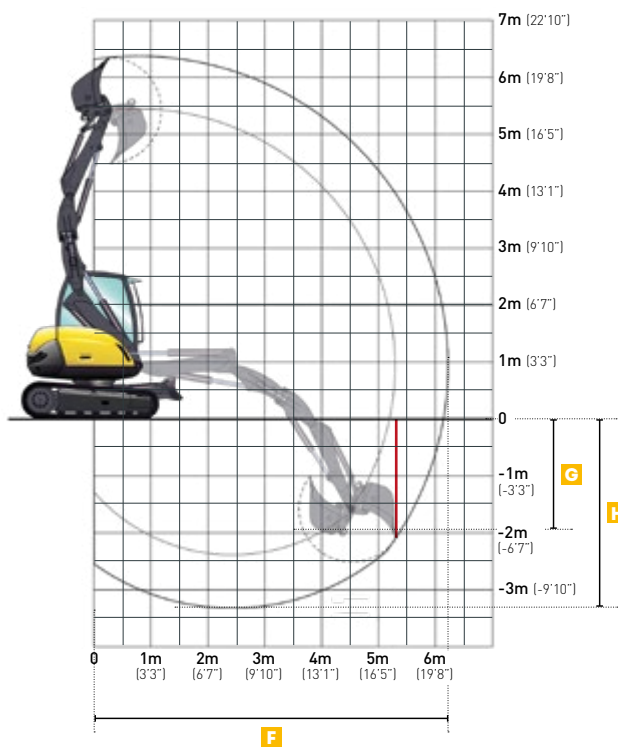
MACHINE DIMENSIONS	6MCR	8MCR	10MCR
<b>A</b> Outside dimension with maximum offset	1128 mm (3'8")	1207 mm (3'11")	1304 mm (4'3")
<b>B</b> Maximum left offset	1382 mm (4'6")	1554 mm (5'1")	1775 mm (5'9")
<b>B'</b> Maximum right offset	1824 mm (5'12")	1600 mm (5'3")	2034 mm (6'8")
<b>C</b> Rear tail swing radius*	1170 mm (3'10")	1254 mm (4'1")	1385 mm (4'6")
<b>D</b> Front radius	1438 mm (4'8")	1444 mm (4'9")	1881 mm (6'2")
<b>E</b> Turning circle*	2608 mm (8'6")	2698 mm (8'10")	3266 mm (10'8")
<b>F</b> Folded position height	4144 mm (13'7")	4430 mm (14'6")	4890 mm (16'1")

\* For additional counterweight, add 100 mm (3.9in) on C and E.

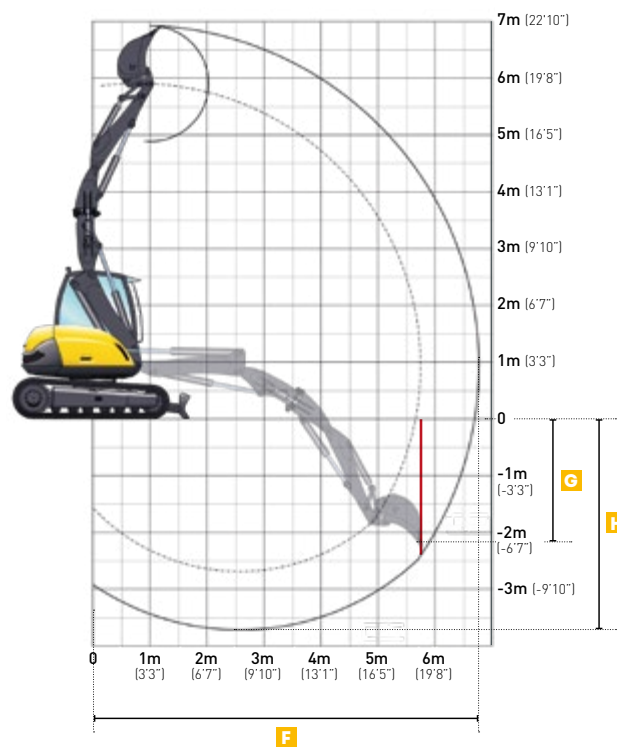
DIGGING PERFORMANCES	6MCR	8MCR	10MCR
Break-out force (max.)	4300 daN (9,666 lbf)	5000 daN (11,240 lbf)	6000 daN (13,500 lbf)
Penetration/Tear-out force (max.)	2500 daN (5,620 lbf)	2800 daN (6,300 lbf)	3400 daN (7,650 lbf)



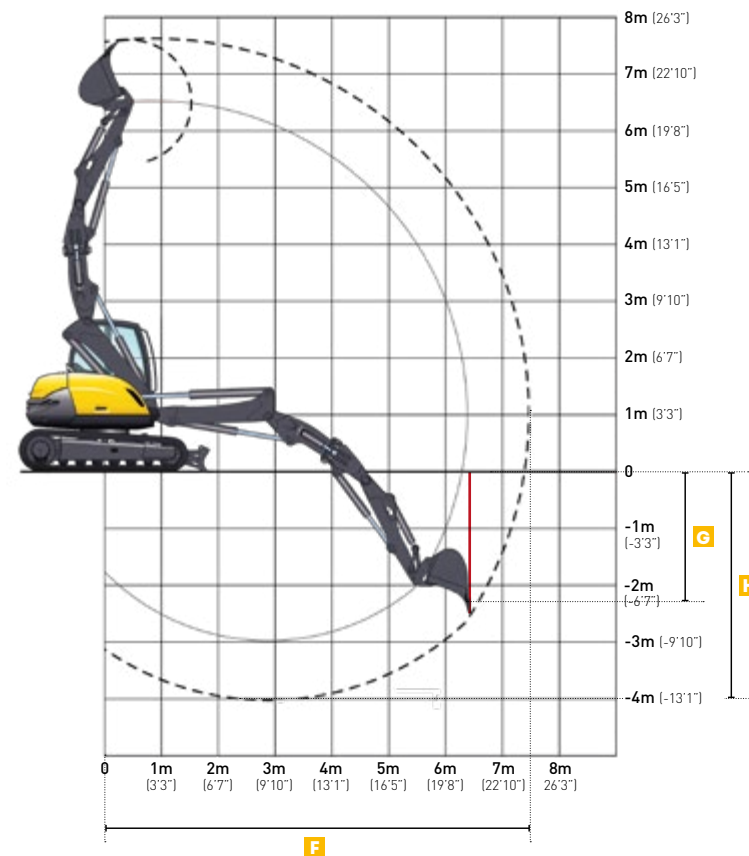
## 6MCR



## 8MCR



## 10MCR

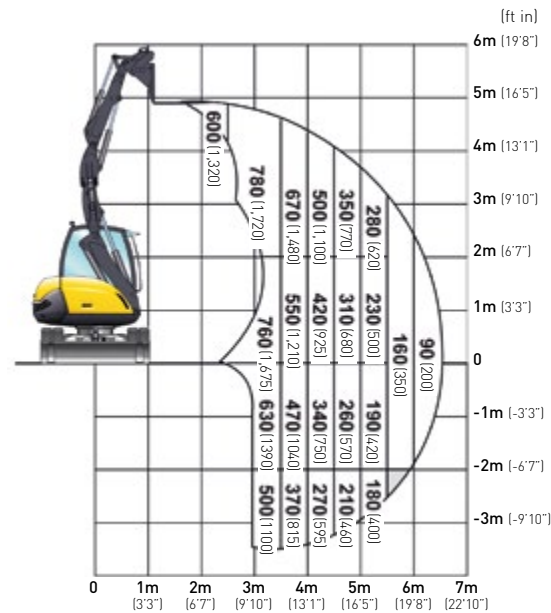
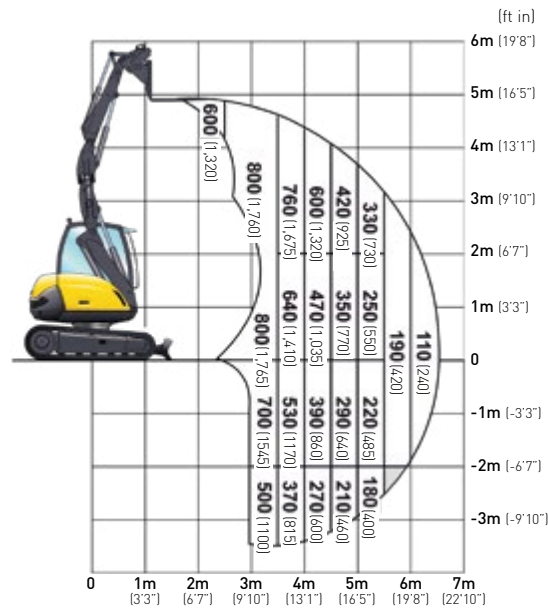


MACHINE DIMENSIONS		6MCR	8MCR	10MCR
<b>F</b>	Maximum reach	6220 mm (20'5")	6750 mm (22'1")	7500 mm (24'7")
<b>G</b>	Vertical digging depth maximum with standard bucket	1940 mm (6'4")	2160 mm (7'1")	2300 mm (7'6")
<b>H</b>	Maximum digging depth	3300 mm (10'1")	3700 mm (12'1")	4000 mm (13'1")



## LIFTING CAPACITIES WITH PALLET FORKS

All the weights are given in kg (lb). Calculations are carried out for the entire range of Mecalac quick couplers.



### WORKING CONDITIONS

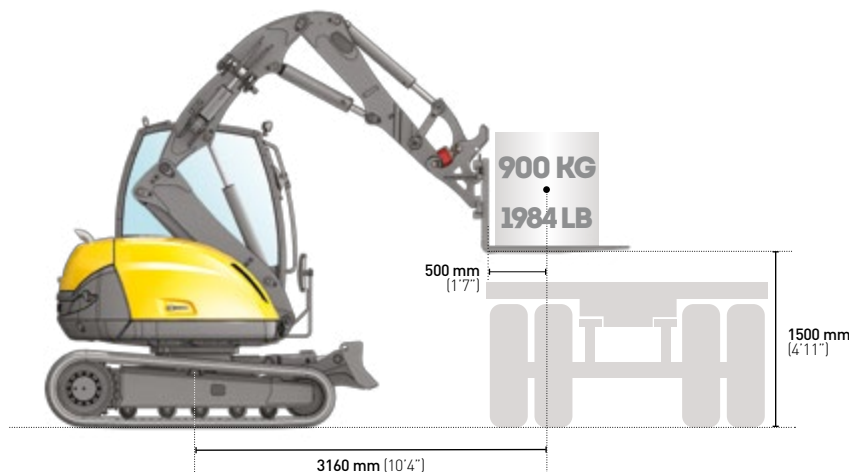
- On crawler, blade on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Equipped with pallet forks

### ACCORDING TO ISO 10567

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

## LIFTING CAPACITIES WITH PALLET FORKS FROM 0 TO 1,5 M (5FT) HEIGHT

Boom and intermediate boom fully retracted, starting with pallet forks on the ground and lifting only with the adjustable boom (as a loader).



## LIFTING CAPACITIES WITH LOADING HOOK

All the weights are given in kg (lb). Calculations are carried out for the entire range of Mecalac quick couplers.

	2M (7 ft)		3M (10 ft)		4.5M (15 ft)		5.5M (18 ft)	
3.5M (12 ft)	-	-	1750 (3,900)	1750 (3,900)	1220 (2,700)	790* (1,750*)	-	-
3M (10 ft)	-	-	2020 (4,500)	1800 (4,000)	1540 (3,400)	790* (1,750*)	-	-
1.5M (5 ft)	3000 (6,600)	3000 (6,600)	2680 (5,900)	1910* (4,200*)	1660 (3,700)	800* (1,800*)	1090 (2,400)	500* (1,100*)
0M	3000 (6,600)	3000 (6,600)	3000 (6,600)	1830* (4,000*)	1630 (3,600)	730* (1,600*)	-	-
-1.5M (5 ft)	3000 (6,600)	3000 (6,600)	2860 (6,300)	1560* (3,450*)	1400 (3,100)	650* (1,450*)	-	-
-2.5M (8 ft)	3000 (6,600)	3000 (6,600)	1650 (3,650)	1480 (3,300)	-	-	-	-

Working in longitudinal position on blade side

Working over the side or at 360°

### WORKING CONDITIONS

- On crawler, blade on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Without tools (bucket, shovel...) with handling plate and loading hook of 3 t (6,613 lb)
- Maximal 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for optimal position of boom and cylinders

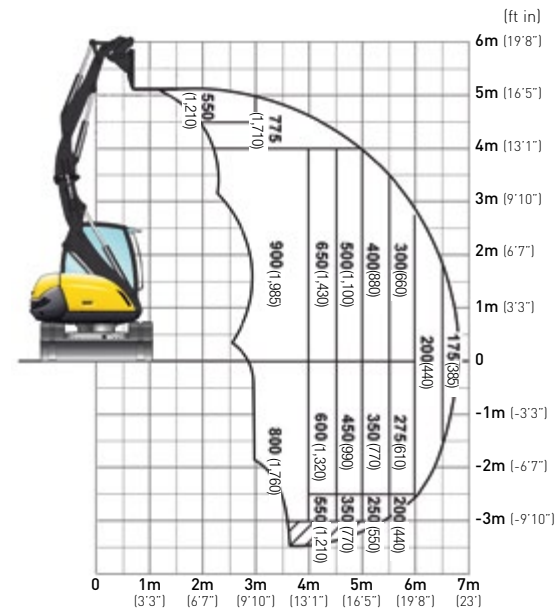
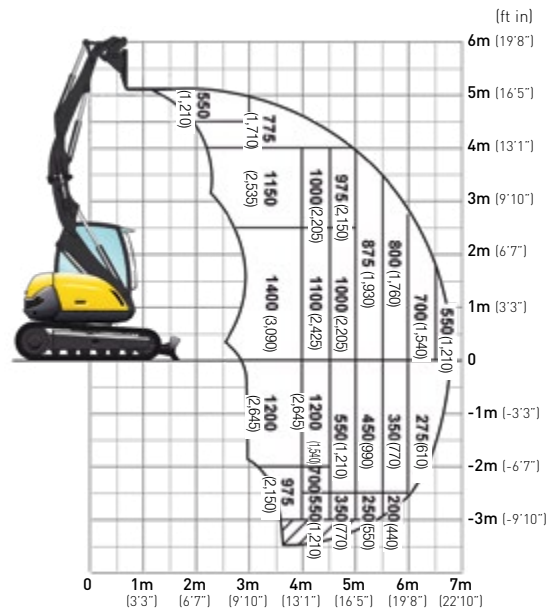
The lifting capabilities shown with an asterisk (\*) are limited by the tipping load that can be lifted. Other values are limited by the hydraulic capabilities. The weight of the chain sling, bucket and other auxiliary lifting devices must be deducted from the nominal load to determine the load which can be lifted.

## 8MCR - HANDLING



### LIFTING CAPACITIES WITH PALLET FORKS

All the weights are given in kg (lb). Calculations are carried out for the entire range of Mecalac quick couplers.



### WORKING CONDITIONS

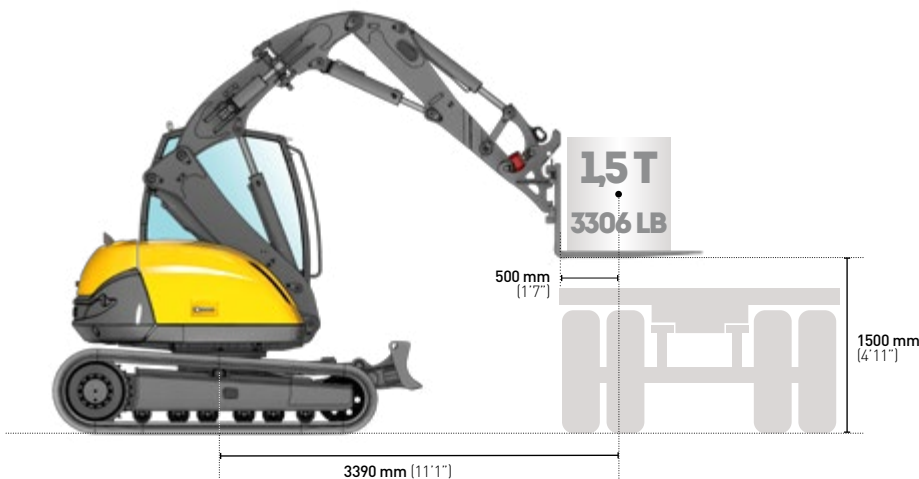
- On crawler, blade on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Equipped with pallet forks

### ACCORDING TO ISO 10567

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

### LIFTING CAPACITIES WITH PALLET FORKS FROM 0 TO 1,5 M (5FT) HEIGHT

Boom and intermediate boom fully retracted, starting with pallet forks on the ground and lifting only with the adjustable boom (as a loader).



### LIFTING CAPACITIES WITH LOADING HOOK

All the weights are given in kg (lb). Calculations are carried out for the entire range of Mecalac quick couplers.

	2M (7 ft)		3M (10 ft)		4.5M (15 ft)		6M (20 ft)	
5M (16 ft)	3000 (6,600)	3000 (6,600)	2600 (5,700)	2600 (5,700)	-	-	-	-
3M (10 ft)	2600 (5,700)	2600 (5,700)	2600 (5,700)	2600 (5,700)	1850 (4,100)	1100 (2,400)	1400 (3,100)	600* (1,300*)
1.5M (5 ft)	3000 (6,600)	3000 (6,600)	3000 (6,600)	2600* (5,700*)	2150 (4,740)	1050 (2,300)	1400 (3,100)	600* (1,300*)
0M	3000 (6,600)	3000 (6,600)	3000 (6,600)	2500* (5,500*)	2100 (4,600)	1050 (2,300)	1200 (2,650)	550* (1,200*)
-1M (-3 ft)	3000 (6,600)	3000 (6,600)	3000 (6,600)	2400* (5,300*)	2000 (4,400)	950 (2,100)	1000 (2,200)	500* (1,100*)
-2M (-7 ft)	3000 (6,600)	3000* (6,600*)	3000 (6,600)	2100* (4,600*)	1900 (4,200)	900 (2,000)	800 (1,800)	500* (1,100*)
-3M (-10 ft)	3000 (6,600)	3000 (6,600)	3000 (6,600)	1900* (4,200*)	850 (1,900)	800 (1,800)	-	-



Working in longitudinal position on blade side



Working over the side or at 360°

### WORKING CONDITIONS

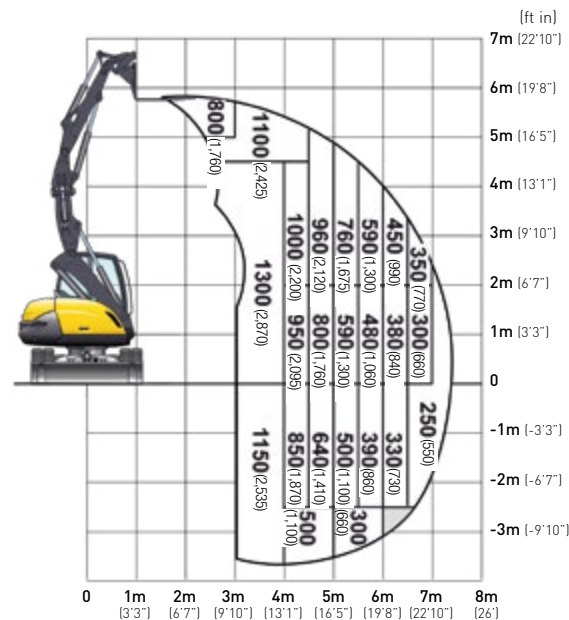
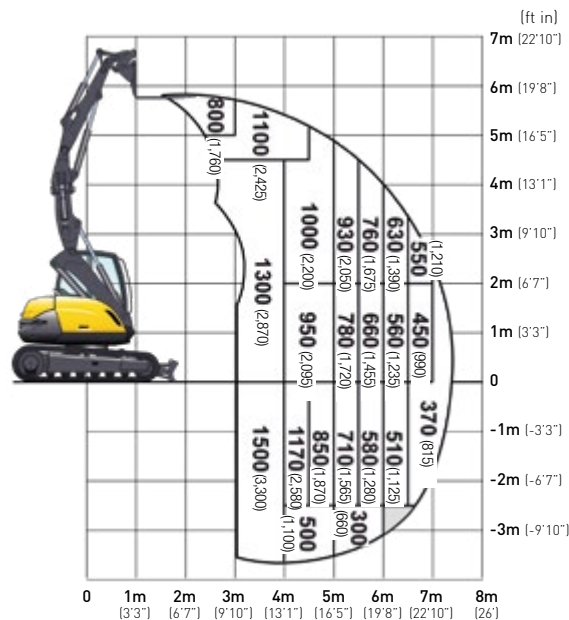
- On crawler, blade on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Without tools (bucket, shovel...) with handling plate and loading hook of 3 t (6,613lb)
- Maximal 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for optimal position of boom and cylinders

The lifting capabilities shown with an asterisk (\*) are limited by the tipping load that can be lifted. Other values are limited by the hydraulic capabilities. The weight of the chain sling, bucket and other auxiliary lifting devices must be deducted from the nominal load to determine the load which can be lifted.



## LIFTING CAPACITIES WITH PALLET FORKS

All the weights are given in kg (lb). Calculations are carried out for the entire range of Mecalac quick couplers.



## WORKING CONDITIONS

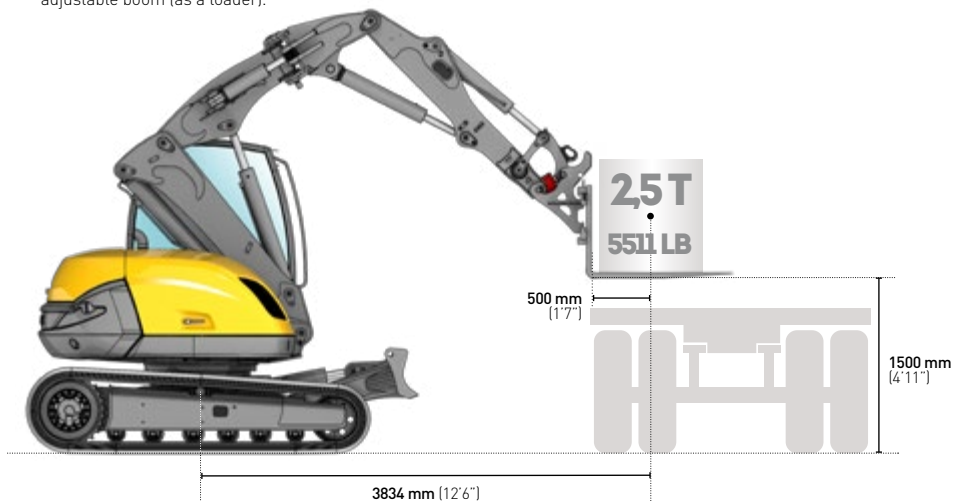
- On crawler, blade on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Equipped with pallet forks

## ACCORDING TO ISO 10567

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

## LIFTING CAPACITIES WITH PALLET FORKS FROM 0 TO 1,5 M (5FT) HEIGHT

Boom and intermediate boom fully retracted, starting with pallet forks on the ground and lifting only with the adjustable boom (as a loader).



## LIFTING CAPACITIES WITH LOADING HOOK

All the weights are given in kg (lb). Calculations are carried out for the entire range of Mecalac quick couplers.

	2M (7 ft)		3M (10 ft)		4.5M (15 ft)		6M (20 ft)	
3M (10 ft)	-	-	3830 (8,400)	3830 (8,400)	2870 (6,300)	1930* (4,300*)	1850 (4,100)	1030* (2,300*)
1.5M (5 ft)	-	-	4000 (8,800)	4000 (8,800)	3050 (6,700)	1870* (4,100*)	1920 (4,200)	1000* (2,200*)
0M	4000 (8,800)	4000 (8,800)	4000 (8,800)	3910* (8,600*)	3060 (6,750)	1720* (3,800*)	1690 (3,700)	940* (2,100*)
-1.5M (-5 ft)	4000 (8,800)	4000 (8,800)	2390 (5,300)	2390* (5,300*)	2470 (5,450)	1500* (3,300*)	950 (2,100)	750* (1,650*)
-3M (-10 ft)	4000 (8,800)	4000 (8,800)	2630 (5,800)	2630* (5,800*)	-	-	-	-



Working in longitudinal position on blade side



Working over the side or at 360°

## WORKING CONDITIONS

- On crawler, blade on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Without tools (bucket, shovel...) with handling plate and loading hook of 4 t (8,818lb)
- Maximal 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for optimal position of boom and cylinders

The lifting capabilities shown with an asterisk (\*) are limited by the tipping load that can be lifted. Other values are limited by the hydraulic capabilities. The weight of the chain sling, bucket and other auxiliary lifting devices must be deducted from the nominal load to determine the load which can be lifted.

# HYDRAULIC ATTACHMENTS



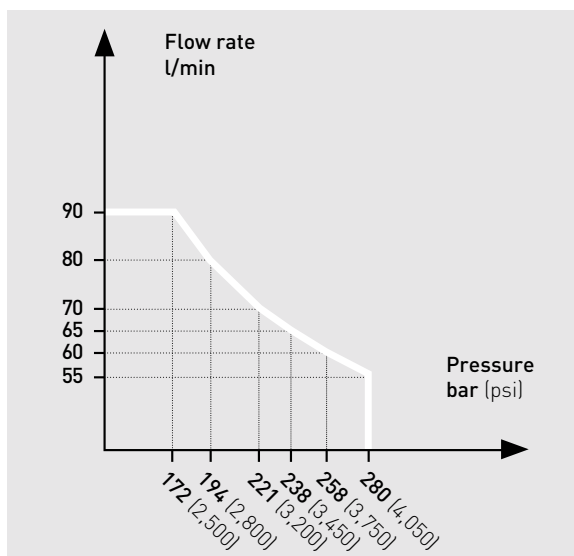
## NOTE

METRIC MEASUREMENTS ARE THE CRITICAL VALUES

- 1 Litre = 0.26417 US Liquid Gallons
- 1 Litre = 0.21997 Imperial Liquid Gallons

## 6MCR

FLOW RATE / PRESSURE AUXILIARY 1 (PROPORTIONAL)

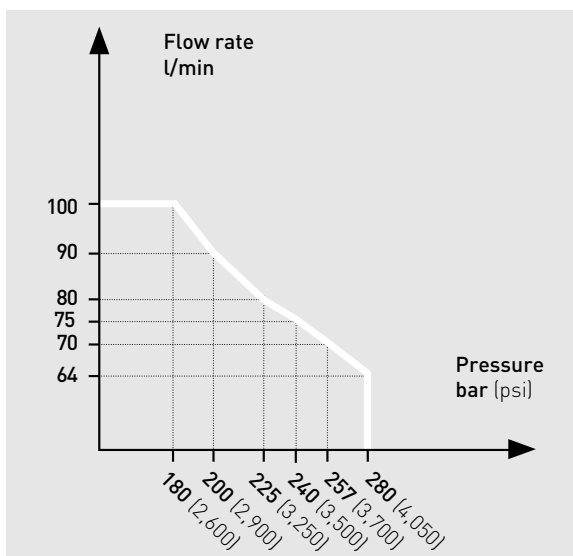


AUXILIARY LINE 2 DATA	
Offset cylinder diverted (clamshell rotation)	
Flow rate maximum	30 l/min
Pressure	280 bar (4,050 psi)
Controls	Proportional as option

AUXILIARY LINE 3 DATA	
Bucket cylinder diverted (clamshell function)	
Flow rate maximum	80 l/min
Pressure maximum	280 bar (4,050 psi)

## 8MCR

FLOW RATE / PRESSURE AUXILIARY 1 (PROPORTIONAL)

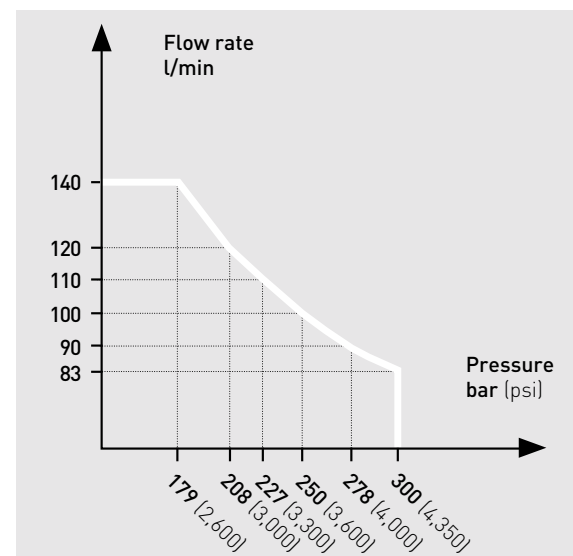


AUXILIARY LINE 2 DATA	
Offset cylinder diverted (clamshell rotation)	
Flow rate maximum	30 l/min
Pressure	280 bar (4,050 psi)
Controls	Proportional as option

AUXILIARY LINE 3 DATA	
Bucket cylinder diverted (clamshell function)	
Flow rate maximum	80 l/min
Pressure maximum	280 bar (4,050 psi)

## 10MCR

FLOW RATE / PRESSURE AUXILIARY 1 (PROPORTIONAL)



AUXILIARY LINE 2 DATA	
Offset cylinder diverted (clamshell rotation)	
Flow rate maximum	30 l/min
Pressure	300 bar (4,350 psi)
Controls	Proportional as option

AUXILIARY LINE 3 DATA	
Bucket cylinder diverted (clamshell function)	
Flow rate maximum	120 l/min
Pressure maximum	300 bar (4,350 psi)

# → MECALAC EXCLUSIVE ATTACHMENTS

## DIGGING BUCKETS

6MCR	WIDTH mm (ft in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
	350 (1'2")	3	100 (0.13)	121 (266)
	450 (1'6")	3	130 (0.17)	131 (288)
DIGGING BUCKET with teeth (Remove 9kg (19.8 lb) for these buckets without teeth)	600 (2')	4	185 (0.24)	150 (330)
	750 (2'5.5")	5	240 (0.31)	169 (372)
	900 (2'11")	5	300 (0.39)	185 (407)
8MCR	WIDTH mm (ft in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
	350 (1'2")	3	115 (0.15)	130 (286)
	450 (1'6")	3	150 (0.20)	140 (308)
DIGGING BUCKET with teeth (Remove 9kg (19.8 lb) for these buckets without teeth)	600 (2')	4	220 (0.29)	160 (352)
	750 (2'5.5")	5	285 (0.37)	180 (396)
	900 (2'11")	5	355 (0.46)	197 (434)
10MCR	WIDTH mm (ft in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
	350 (1'2")	3	150 (0.20)	204 (450)
	450 (1'6")	3	190 (0.25)	222 (489)
DIGGING BUCKET with teeth (Remove 16kg (35.2 lb) for these buckets without teeth)	600 (2')	3	275 (0.36)	255 (562)
	750 (2'5.5")	4	360 (0.49)	292 (643)
	900 (2'11")	4	450 (0.59)	328 (723)
	1200 (3'11")	5	630 (0.82)	393 (866)

## NARROW BUCKET

6MCR - 8MCR - 10MCR	WIDTH mm (ft in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
NARROW BUCKET	300 (1')	3	80 (0.10)	219 (483)

## LOADER BUCKETS (SKID AND 4X1)

6MCR	WIDTH mm (ft in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
SKID BUCKET with no teeth	2030 (6'6")	-	490 (0.64)	397 (875)
4X1 BUCKET with teeth	2030 (6'6")	6	420 (0.55)	555 (1,223)
KIT DE RACCORDEMENT GODET SKID 4x1 - 4 FLEXIBLES	-	-	-	5 (11)
BOLTED COUNTERBLADE FOR 4X1 BUCKET	2030 (6'6")	-	-	-
8MCR	WIDTH mm (ft in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
SKID BUCKET with no teeth	2100 (6'8")	-	530 (0.70)	403 (888)
GODET SKID 4x1 with teeth	2100 (6'8")	7	450 (0.60)	590 (1,301)
4X1 BUCKET with teeth	2100 (6'8")	7	500 (0.65)	595 (1,312)
4X1 BUCKET CONNECTION SET, 4 FLEXIBLE JOINTS	-	-	-	5 (11)
BOLTED COUNTERBLADE FOR 4X1 BUCKET with no teeth 7 boreholes - center-to-center borehole distance 320	2100 (6'8")	-	-	59 (130)
10MCR	WIDTH mm (ft in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
SKID BUCKET with no teeth	2300 (7'6.5")	-	750 (1.00)	488 (1,076)
4X1 BUCKET with teeth	2300 (7'6.5")	7	570 (0.75)	726 (1,600)
4X1 BUCKET CONNECTION SET, 4 FLEXIBLE JOINTS	-	-	-	5 (11)
BOLTED COUNTERBLADE FOR 4X1 BUCKET with no teeth 7 boreholes - center-to-center borehole distance 360	2300 (7'6.5")	-	-	65 (143.5)

## PALLET FORK

TYPE	Specifications	WEIGHT kg (lb)
PALLET FORK	to be used with 4 safety valves	351 (773.8)

## DITCHING BUCKET

6MCR - 8MCR	Specifications	WIDTH mm (ft in)	VOLUME l (yd³)	WEIGHT kg (lb)
DITCH CLEANING BUCKET		1500 (4'11")	262 (0.34)	260 (573)
BOLTED COUNTER BLADE	borehole center-to-center distance 160	1500 (4'11")	-	-
10MCR	Specifications	WIDTH mm (ft in)	VOLUME l (yd³)	WEIGHT kg (lb)
DITCH CLEANING BUCKET		1800 (5'11")	315 (0.41)	295 (650)
DITCH CLEANING BUCKET		1800 (5'11")	400 (0.52)	350 (771.6)
BOLTED COUNTER BLADE for DITCH CLEANING BUCKET	borehole center-to-center distance 160	1800 (5'11")	-	52 (115)

## DIGGING BUCKET WITH GRAPPLE

6MCR	WIDTH mm (ft in)	VOLUME l (yd³)	WEIGHT kg (lb)
GRAPPLE BUCKET, Specifications: 2 hydraulic thumbs	750 (2'5")	240 (0.31)	284 (626)
8MCR	WIDTH mm (ft in)	VOLUME l (yd³)	WEIGHT kg (lb)
GRAPPLE BUCKET, Specifications: 2 hydraulic thumbs	750 (2'5")	285 (0.37)	304 (670)
10MCR	WIDTH mm (ft in)	VOLUME l (yd³)	WEIGHT kg (lb)
GRAPPLE BUCKET, Specifications: 2 hydraulic thumbs	900 (2'11")	450 (0.59)	492 (1085)

## SKID STEER ADAPTER

TYPE	WEIGHT kg (lb)
ISO 24410 mounting hitch for Universal Skid steer attachments	127 (280)

## HANDLING PLATE AND HAMMER PLATE

TYPE	Specifications	WEIGHT kg (lb)
HANDLING PLATE with hook - 6MCR, 8MCR and 10MCR	to be used with 3 safety valves	64 (141)
HAMMER PLATE no boreholes - 6MCR, 8MCR and 10MCR	-	104.5 (230)
HAMMER PLATE with boreholes - 8MCR and 10MCR	contact your dealer	105.5 (233)
HAMMER PLATE with boreholes - 6MCR	contact your dealer	65 (143)

## HANDLING JIB

6MCR - 8MCR - 10MCR	Specifications	WEIGHT kg (lb)
HANDLING JIB	length 2000 mm (6'7"), lifting capacity 400 Kg (881 lb) to be used with 4 safety valves	104 (229)

## CLAMSHELL BUCKET SUPPORT

6MCR - 8MCR - 10MCR	Specifications	WEIGHT kg (lb)
SUPPORT PIECE FOR CLAMSHELL BUCKET - 6MCR, 8MCR and 10MCR	-	67 (147.7)

## RIPPER TOOTH

TYPE	WEIGHT kg (lb)
RIPPER TOOTH	192 (423)

Mecalac recommends using appropriate attachments to maximize the value customers receive from our products. Use of attachments, including buckets, which are outside of Mecalac's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability.

# OPTIONS

## TO TAILOR YOUR MCR TO YOUR NEEDS

### CUSTOMER COLORS

Would you like to have your Mecalac MCR painted in your company's colors?  
Personalize your Mecalac with your own RAL codes.

Color samples



### TRACKS

- A** Rubber tracks width: 6MCR: 400 mm (16 in) - 8MCR and 10MCR: 450 mm (18 in)
- B** Steel tracks width: 6MCR - 8MCR - 10MCR: 400 mm (16 in)



### THE CAB - COMFORT AND SAFETY

Heating and air conditioning  
(increases cab height) (8MCR-10MCR)  
Rotating beacon (halogen or LED)  
Front working light  
Additional front working light  
Rear working light  
Steel roof  
Overload alarm  
Travel alarm  
Swing pedal (8MCR-10MCR)  
ISO/SAE pattern changer (switch)  
Radio and speakers pre-wiring  
Cabin sun visor  
Cab rain protector

### OIL

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) (8MCR-10MCR)

### AUXILIARY LINES

Main auxiliary line  
Extra auxiliary line option  
(proportional (8MCR-10MCR) or "on/off")  
(offset cylinder bypass for rotating clamshells  
or other functions)  
Hammer return line

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

### ANTI-DROP SAFETY VALVES

4 anti-drop safety valve on boom, intermediate  
boom, stick and bucket

### QUICK COUPLING

Mecalac, quick coupler (with hook) CONNECT

### LUBRICATION

Manual greasing unit for upperframe  
Centralized, manual lubrication for  
upperframe, boom and stick (except pins  
between connecting rod and quick coupling  
system)  
Centralized, automatic lubrication  
for upperframe, boom and stick (except pins  
between connecting rod and quick coupling  
system)

### HEATED PNEUMATIC SEAT (8MCR-10MCR)

### ELECTRIC DIESEL REFUELING PUMP WITH AUTOMATIC STOP

### ADDITIONAL COUNTERWEIGHT

**6MCR: 400 kg (881 lb)**  
**8MCR: 425 kg (936 lb)**  
**10MCR: 590 kg (1,300 lb)**

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