MECALAC

15MWR

EN

15MWR

MECALAC


MECALAC
MWR
MECALAC
15MWR

15MWR

HUMAN ENGINE, HUMAN MACHINE

“For the past 60 years, innovation, accuracy and the search for performance have been the leading keywords of our company’s vision. At Mecalac, we imagine the machines designed for the construction sites of the 21st century. Since every job has its own characteristics and restrictions, since each country has its own culture, we build machines that respond perfectly to today’s challenges. Our machines are created by men, for men! We are proud to be human innovators who improve and push back the limits of our clients’ objectives.”

Henri Marchetta, Chairman & CEO
Groupe Mecalac S.A.

15MWR

A NEW REFERENCE

A NEW STANDARD IS BORN BASED UPON COMPACTNESS AND MOBILITY

Joining such a level of compactness with the mobility of a four-wheel drive frame is simply revolutionary.

WATCH THE DEMO

MECALAC INNOVATES AND OFFERS YOU TO WATCH MWR VIDEOS.

It's easy, all you need to do is scan the QR codes present on the pages of the brochure with your smartphone in order to access the video content.

If you don't have a scanning app, you can download a QR code scanner from the App Store or Google Play.

Available on the App Store

ANDROID APP ON Google play

15MWR

THE SECRET TO STABILITY

DESIGN: A STRONG AND STRATEGIC COMPONENT OF THE MECALAC IDENTITY

“Our strength? Offering each client the most efficient solution. A deep analysis of users’ work process allows us to provide the right industrial and versatile answer to their requests. This approach allows to offer better fitted machines based on the real needs of the jobsite. At Mecalac, design has always been part of our creation process. It is a strong and strategic component of our brand identity and products and is not limited to mere aesthetics. Our design is functional and secure. It blends ergonomics with smooth flowing lines”.

Patrick Brehmer,
Head of Marketing,
Product Management & Design

The complete integration of the counterweight and of the equipment inside the frame print have enabled to combine compactness and stability.

THE SECRET TO STABILITY LIES IN THE INTEGRATION AND THE LOWERING OF THE MOTOR ON THE TURRET.

15MWR

USER FRIENDLY

Optimize security for the operator as for the workers' team of both urban and suburban construction sites:

- maintenance feet on the ground
- oscillation locking by the brake pedal and the joystick
- reduced access height
- excellent compactness
- optional integrated and automated cameras
- excellent visibility

USER-FRIENDLY

DRIVING USER-FRIENDLINESS

PARKING, WORK OR ROAD MODE, IN ONE SINGLE SWITCH.

Thanks to the unique central selector, the driver can switch into road or parking mode in a single movement, thus sparing 7 to 10 manipulations. With this unique global exclusivity, everything can be done instantly by selecting the desired configuration.

With this unique, worldwide exclusive function, everything can be done instantly by selecting the desired configuration. This guarantees faultless and ultra-safe driving on construction sites, leaving the driver free to calmly focus on the tasks at hand and take full control of the machine.

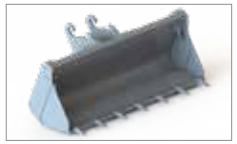
1 BUTTON
3 MODES

USER-FRIENDLY

CONNECT 'ATTACHED' TO VERSATILITY

IN ORDER TO MAKE ITS MACHINES EVER SAFER AND MORE VERSATILE, MECALAC INTRODUCES CONNECT, ITS PATENTED QUICK COUPLER, NOTABLE FOR ITS LIGHTNESS, INTEGRATION, USER-FRIENDLINESS, REVERSABILITY AND ITS PERFECT SAFETY.

Controlled from the cab, there is zero risk of it detaching from the tool either while it is being connected or while in operation. It is equipped with a detection system that alerts the driver if the tool is improperly secured (with visual and audible signals). Not only that, but it is also reversible and has an automatic play compensation function, making the CONNECT quick coupler the ultimate connection between tool and machine!



WATCH THE DEMO


MECALAC
2200

USER-FRIENDLY

SPACE & PANORAMIC VISION

ALLROUND VISIBILITY HAS BEEN THOUGHT OVER TO OPTIMIZE THE OPERATOR'S DIRECT VISION.

The shape of the rear hood has been redesigned and the rounded window is now in one single piece, for a more open view. The main element of the Mecalac boom moves very far when retracted, which offers a great side visibility. The 2 piece windshield is foldable and the door windows can be opened to be at the forefront of the worksite. Thanks to the view mirrors and the 2 cameras, the cabin offers a new vision to the operator who can stay focused on the worksite environment while managing his machine.


MECALAC
MECALAC


MECALAC

USER-FRIENDLY

ACCESSIBILITY

CLIMB UP AND DOWN EASILY

Thanks to its perfectly centered turret, the cabin is easily accessible to the driver, without requiring too much effort or taking any risk. The exclusive Mecalac system of a slide swing door allows for easy opening and closing whether the operator is on the ground or seated in the cab.


MECALAC
MECALAC

USER-FRIENDLY

FILL UP YOUR TANK EFFORTLESSLY

THE TANK HAS A CAPACITY OF 220 LITRES AND IS EXTREMELY EASY TO ACCESS SINCE IT IS LOCATED IN THE FRAME, JUST ABOVE THE FOOTBOARD THAT LEADS TO THE CABIN.

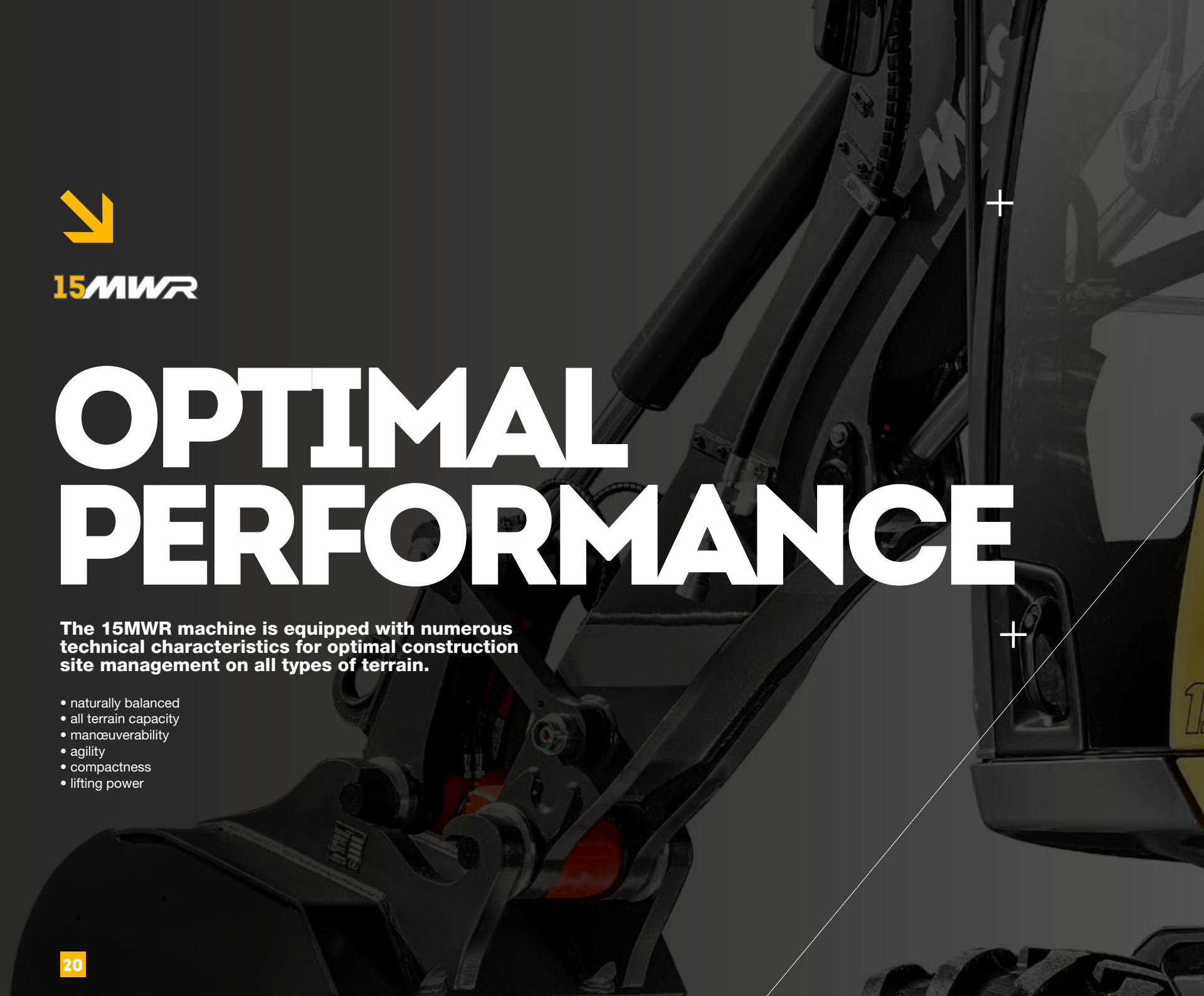
Besides helping lower the centre of gravity, the lower-down position of the tank and its increased capacity also mean that the driver or fleet manager no longer has to carry out any operations at height, nor is there anything in the way when driving the vehicle. With the majority of other excavators still mounting the fuel tank in the upper carriage, filling up a 15MWR is as simple as it is safe. Because daily maintenance should always be risk-free.

15MWR

OPTIMAL PERFORMANCE

The 15MWR machine is equipped with numerous technical characteristics for optimal construction site management on all types of terrain.

- naturally balanced
- all terrain capacity
- manœuverability
- agility
- compactness
- lifting power



PERFORMANCE

NATURALLY BALANCED

THE NEW 15MWR BENEFITS FROM 360° ISO STABILITY: THIS MEANS THE MACHINE'S STABILITY REMAINS THE SAME REGARDLESS OF THE ROTATION ANGLE OF THE UPPER CARRIAGE.

Lift, place, move, unload... all without moving. The new 15MWR transforms worksite logistics thanks to its incredible stability in any position and on any terrain. Whatever the conditions, it stays balanced both when travelling in transfer operations between sites as well as during work phases. This enables an impressive 360° lifting performance - an extraordinary feature.

PERFORMANCE

GROUND CLEARANCE

THE LOWERED CENTER OF GRAVITY HAS ABSOLUTELY NO INCIDENCE ON THE GROUND CLEARANCE HEIGHT, WHICH IS AN EXCLUSIVE ‘MADE IN MECALAC’ PARADOX.

Thanks to the lowering of the engine on the turret, the 15MWR offers excellent visibility and compactness uncompromising the machine’s mobility (wheel dimensions and axle oscillation).

MANŒUVERABILITY & COMPACTNESS

The new 15MWR can be equipped with 4 steering wheels thus allowing you to do a U-turn practically on the spot and effectively overcome all obstacles. The aim: ensuring maximum mobility in narrow spaces.

AGILITY
Efficiency of movement

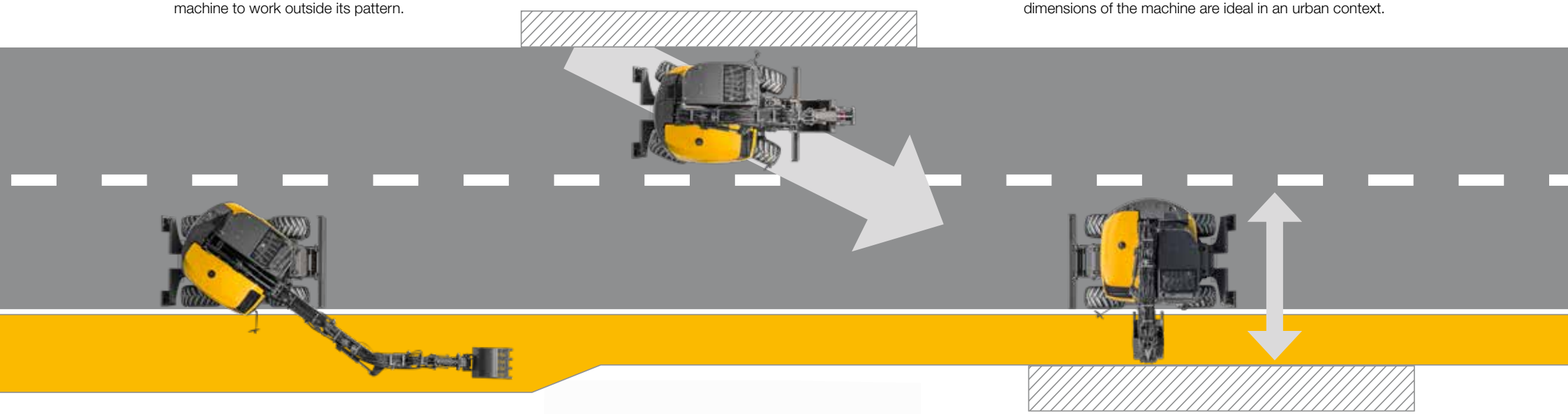
When the leeway is limited, the 15MWR is a powerful ally. Its perfectly integrated and light offset and its 2-piece boom attachment allow the machine to work outside its pattern.

MOBILITY
Best manoeuvrability

The 3 direction modes enable the 15MWR to get out of any situation.

COMPACTNESS AT WORK
in the service of security

With its 360° rotation and the exceptional angular displacement of the boom, the 15MWR only takes up one lane to carry out its tasks, thus preserving the safety of pedestrians and of car drivers. The well thought out dimensions of the machine are ideal in an urban context.

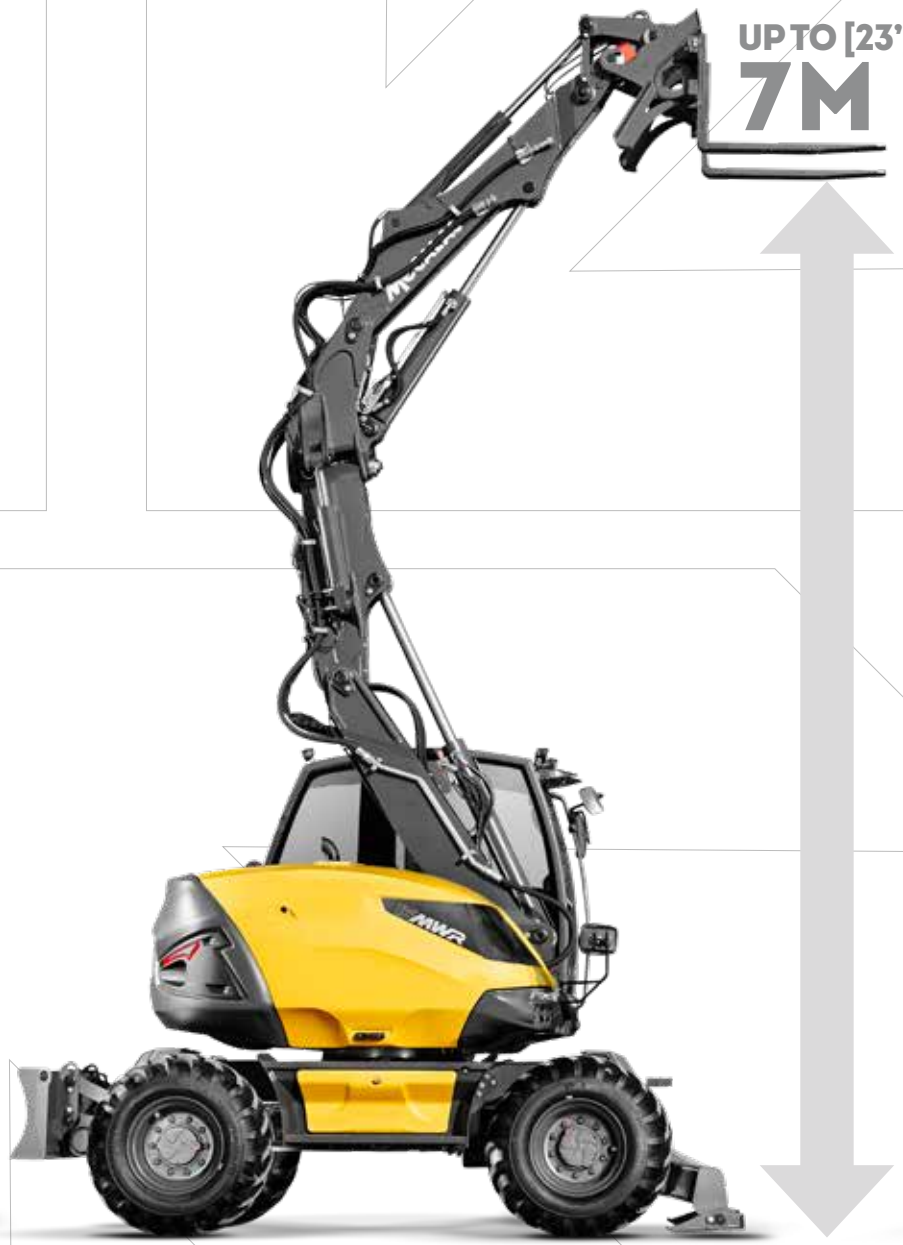


MAXIMUM COMPACTNESS
for minimum bulk

This useful compactness frees 100% performances and 100% functions, therefore reducing the impact of urban construction sites on the environment.

PERFORMANCE

LIFTING POWER & AMPLITUDE



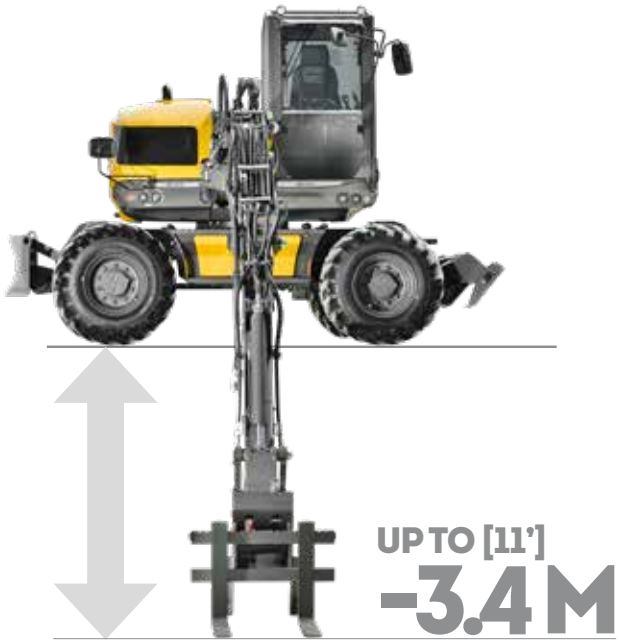
AN UNRIVALLED COMPACTNESS/LIFTING CAPACITY RATIO:

The unique architecture of the new 15MWR makes this powerful and precise handling machine capable of lifting up to 6.5 tons to 3 meters and 360°!

360°

AMPLITUDE

Equipped with a loader bucket or with pallet forks, the 15MWR allows for an unusual range of amplitude whether up when loading a truck or down when offloading pallets.



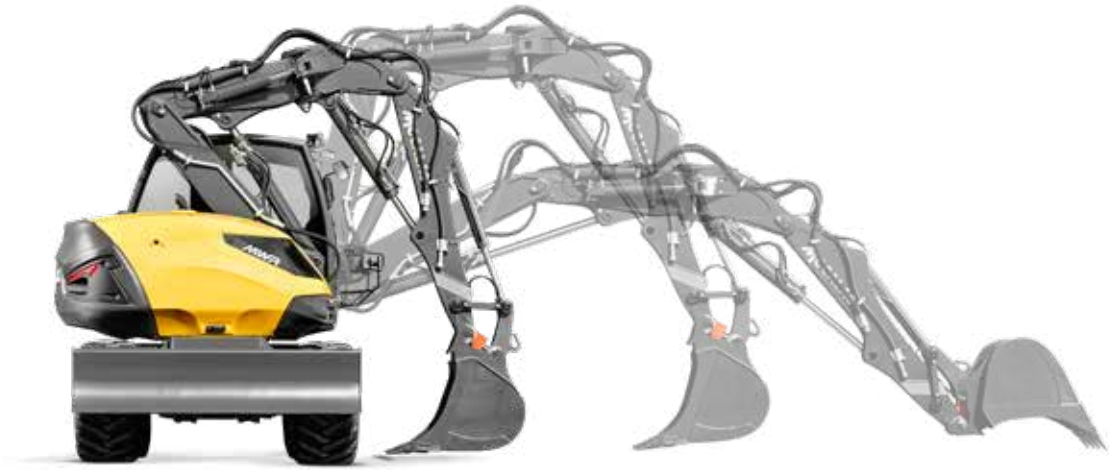
PERFORMANCE

FROM VERSATILITY TO AUTONOMY

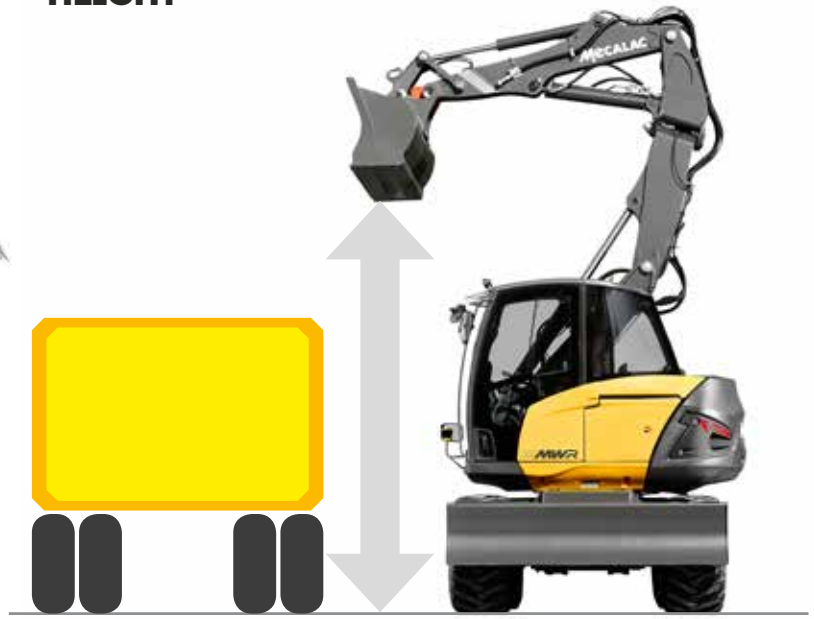
EXPERTISE IS BORN OF EXPERIENCE. OURS IS BASED ON THE STRONG CONCEPT THAT PROFITABILITY CANNOT BE CONSIDERED WITHOUT SIMPLICITY OF USE, COUPLED WITH VERSATILITY IN FUNCTIONS.

No matter the job, the country or the corporate culture, we offer the best visibility, manoeuvrability and freedom on each constuction site for optimal autonomy.

LARGE DIGGING AMPLITUDE



UNIQUE OVERLOADING HEIGHT



STATIC LOADING

15MWR

SET UP YOUR MWR

The new 15MWR comes standard equipped with a number of features, while at the same time remaining attentive to the specifications required by various 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 the various attachments, buckets and hydraulic tools which can be used, there are many different ways to tailor your new 15MWR to your brand and business.

CUSTOM COLORS

You wish to get your MWR with your brand colors?
Customize your Mecalac with your own RAL color codes.

Color examples

TIRES CHOICES

Simple MITAS 18-19.5 (standard)
Simples MICHELIN XF 18R19.5
Twin MITAS 10.00-20 16PR NB38
Twin CALIBER 315/70 R22.5
Large ALLIANCE 600/40 R22.5

CAB - COMFORT AND SAFETY

- Air conditionning
- Rotating beacon
- LED rotating beacon
- Travel alarm
- White noise type adaptative travel alarm
- Additional front working light
- Additional rear working light
- Cabin sun visor
- Heated penumatic seat
- Switch command ISO / SAE

FRAME

- 4 steered wheels
- Steering direction inversion
- Front blade and rear stabiliser
- Rubber protective pads under stabilisers
- Clamshell grab support
- Mudguards

HEAVY COUNTERWEIGHT (+450 KG)

ENGINE

- Particles filter (DPF)
- Automatic temporised engine stop
- Electric gas oil pump with automatic stop
- Anti-theft device - electronic immobilizer with 6 keys

AUXILIARY LINES

- Additional auxiliary line
- Additional proportional auxiliairy line
- Hammer return line

ANTIDROP SAFETY VALVES

- Safety valves on boom, adjustable boom, dipperstick
- Safety valves on boom, adjustable boom, dipperstick, bucket

QUICK COUPLING

- ‘Connect’ quick coupling with hook
- Without quick-coupler option

ATTACHMENT

- Mecalac versatile attachment
- Two-piece boom attachment
- Offset two-piece boom attachment

LUBRICATION

- Standard manual greasing: single point for turret and first boom (standard)
- Centralized, manual lubrication for turret and equipment (except axles between connecting rod and quick coupling system)
- Centralized, automatic lubrication for turret and equipment

OIL CHOICES

- Hydraulic oil Total (ISO 46) (standard)
- Hydraulic oil Panolin (HLP 46)
- Hydraulic organic oil Total (BIOHYDRAN TMP 46)
- Hydraulic oil for cold weather (ISO 32)
- Hydraulic oil for hot weather (ISO 68)
- Hydraulic oil for very hot weather (ISO 100)

15MWR

MECALAC EXCLUSIVE ACCESSORIES

15MWR

DIGGING BUCKETS

TYPE	WIDTH mm (in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
DIGGING BUCKET with teeth	450 (1'6")	3	235 (0.31)	319 (700)
	500 (1'8")	3	270 (0.35)	331 (730)
	600 (2')	3	335 (0.44)	358 (790)
	850 (2'9")	4	515 (0.67)	434 (960)
	1000 (3'3")	4	625 (0.82)	485 (1070)
	1200 (3'11")	5	770 (1)	551 (1215)
DIGGING BUCKET without teeth	450 (1'6")	-	235 (0.31)	295 (650)
	500 (1'8")	-	270 (0.35)	306 (675)
	600 (2')	-	335 (0.44)	333 (735)
	850 (2'9")	-	515 (0.67)	401 (885)
	1000 (3'3")	-	625 (0.82)	452 (1,000)
	1200 (3'11")	-	770 (1)	510 (1,125)

NARROW BUCKET

TYPE	WIDTH mm (in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
NARROW BUCKET	300 (1')	2	95 (0.12)	275 (610)

LOADER BUCKETS

TYPE	WIDTH mm (in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
LOADER BUCKETS with teeth	2250 (7'5")	7	1000 (1.31)	614 (1,355)
LOADER BUCKETS without teeth	2250 (7'5")	-	1000 (1.31)	591 (1,300)

4X1 BUCKETS

TYPE	WIDTH mm (in)	number of teeth	VOLUME l (yd³)	WEIGHT kg (lb)
4X1 BUCKET with teeth	2520 (8'3")	7	750 (0.98)	782 (1,725)
PROTECTION 4X1 BUCKET with teeth		-	-	14 (30)
4X1 BUCKET without teeth	2520 (8'3")	-	750 (0.98)	759 (1,675)
PROTECTION 4X1 BUCKET without teeth		-	-	5 (11)
BOLTED COUNTERBLADE – 7 boreholes - center-to-center borehole distance 380 mm (1'25")	2520 (8'3")	-	-	71 (160)
KIT DE RACCORDEMENT	-	-	-	8 (18)

PALLET FORK

TYPE	Specifications	WEIGHT kg (lb)
PALLET FORK	to be used with 4 safety valves	410 (905)

DITCHING BUCKET

TYPE	Specifications	WIDTH mm (in)	VOLUME l (yd³)	WEIGHT kg (lb)
DITCHING BUCKET 1 COUPLING		2000 (6'7")	590 (0.77)	509 (1,120)
BOLTED COUNTER BLADE - Jagged	borehole center-to-center distance 185 mm (0'61")	2000 (6'7")	-	38 (85)
BOLTED COUNTER BLADE	borehole center-to-center distance 185 mm (0'61")	2000 (6'7")	-	57 (125)

HANDLING PLATE AND HAMMER PLATE

TYPE	Specifications	WEIGHT kg (lb)
HANDLING PLATE with hook	to be used with 3 safety valves	122 (270)

HANDLING JIB

TYPE	Specifications	WEIGHT kg (lb)
HANDLING JIB	length 4100 mm (13'5"), lifting capacity 500 Kg (1,100 lb) to be used with 4 safety valves	177 (390)

CLAMSHELL BUCKET SUPPORT

TYPE	Specifications	WEIGHT kg (lb)
CLAMSHELL BUCKET SUPPORT	-	124 (275)

RIPPER TOOTH

TYPE		WEIGHT kg (lb)
RIPPER TOOTH	-	293 (650)

HAMMER PLATE

TYPE	Specifications	WEIGHT kg (lb)
HAMMER PLATE no boreholes	-	139 (305)
HAMMER PLATE with boreholes	contact your dealer	136 (300)

15MWR

TECHNICAL DATA

WEIGHT	DATA
In running order, with blade, with 75 kg operator, fuel tank full, twin tires with spacing ring, without optional equipment, with digging bucket 1000 mm	14218 kg
In running order, with blade and stabilisers, with 75 kg operator, fuel tank full, twin tires with spacing ring, two-piece boom with offset, heavy counterweight, with digging bucket 1000 mm	15458 kg

ENGINE	
Turbocharged engine with chilled air inlet (stage 4)	EGR valve and catalytic
Diesel 4 in-line cylinders	DEUTZ TCD 3,6 L4
Horsepower (DIN 70020) and Engine speed	100 kW (134hp) at 2300 rpm
Max. torque	500 N.m at 1600 rpm (370 ft.lbf at 1600 rpm)
Cubic capacity	3621 cm^3 (221 in^3)
Cooling	water
Air filterdry, cartridge (with clogging indicator in the cabin)	•
Fuel consumption (depending on operating conditions)	8 at 14 l/h
Sound power level (LWA)	101 dB(A)
Fuel tank capacity	220 l

ELECTRICAL SYSTEM	
Voltage	12 V
Batteries	1 x 95 Ah/800 A
Alternator	120 A
Starter	4 kW
Electric sockets sealed	•

UNDERCARRIAGE	
Rigid	•
Internal turning radius - 4 steered wheels (optional) - 2 steered wheels	 1.93 m (6ft 4 in) 4.44 m (14ft 7in)
Outside turning radius - 4 steered wheels (optional) - 2 steered wheels	 4.44 m (14ft 7in) 7.36 m (24ft 2in)
Blade fitted on a parallelogram: - lift height above ground - max. blade depth below ground	 426 mm (1ft 5in) 150 mm (6in)
Stabilisers controlled independently or in pairs	•

TRANSMISSION	
Open-circuit hydrostatic transmission	•
Driving direction inversion on joystick	•
Hydraulic motor coupled to a 2-speed ZF gearbox	Type “Powershift”
Continuously variable transmission rate over the BF: from 0 to 35 km/h whole speed range of the machine	from 0 to 35 km/h (from 0 to 21 mph)
“Cruise Control” and “Speed Control”	•
Max. traction force	8300 daN (18,660 lbf)
Max. pressure	350 bar (5,080 psi)
Pump flow-rate	160 l/min
Hydraulic engine	107 cm^3 (6.5 in^3)

NOTE

METRIC MEASUREMENTS ARE THE CRITICAL VALUES DIMENSIONS ARE TAKEN FROM T152021

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

15MWR

TECHNICAL DATA

AXLES AND WHEELS	DATA
4-wheel drive	•
Rigid drive axle on the rear	steering as an option
Drive axl over front chassis oscillates to +/-10°; oscillation block involves 2 hydraulic cylinders	steering as standard

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

TURRET	
Full rotation 360°	•
Driven by internal crown slewing wheel	•
Swivel with hydraulic motor with brake	•
Rotation speed	10 rpm
Rotation torque	3800 daNm (28,000 ft.lbf)
Hydraulic engine	1260 cm^3 (77 in^3)
Max. pressure	260 bar (3,800 psi)
Shock absorber for progressive turret rotation, start and stop anks, capacity	•

CAB	
Extremely comfortable panoramic cab without frame on the rear left side	ROPS and FOPS
Monocoque cab fastened to 4 spring posts	•
Front windshield partially 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 compliant with ISO 10263	high flow fan, high capacity for demisting and defrosting
Controls assisted by ergonomic, proportional control levers	•
7'' color SCREEN combining saftety and monitoring information of the machine functions	•
Fuel levels and coolant temperature indicated on the dashboard	•
Front working light	•
Rear storage area	refrigerated with air conditionning option

ATTACHMENT	
Mecalac variable range kinematics consisting of 4 parts: boom, adjustable boom, offset boom and dipperstick	enabling a angle of 140°
Standard right and left offset with a hydraulic cylinder	2.30 m (7ft 7in)/machine axis (with multipurpose Mecalac equipment)
End bearings equipped with sealing rings and greasing via the rings	•
Boom cylinders with end of travel shock absorbers	•
CONNECT quick coupler	•

HYDRAULIC SYSTEM	DATA
Variable displacement pump	maximum 130 cm^3 (max. 8 in^3)
Maximum flow rate	270 l/min
Maximum working pressure	350 bar (5,080 psi)
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
- Max. flow rate	180 l
- Adjustable flow rate to the monitor	•
- Proportional function	•
Hydraulic oil	122 l

OPERATING MODES

WORKING MODE

- Turret rotation and dipperstick control with the left control lever
- Bucket and intermediate boom or boom control with the right control lever
- Travelling control using foot pedals
- Operating the excavator in ISO mode
- Immediate use of auto-idle function
- Display of engine speed (rpm)
- Sceen display in Working Mode

DRIVING MODE

- Deactivation of the manual engine speed control. (The engine speed varies depending on how far the travel pedal is depressed)
- Turning on road headlights
- Turning on rotating beacon
- Locking of machine hydraulic functions (attachment, slewing, outriggers)
- Deactivation of oscillation lock (only if oscillation lock selector is on AUTO) and is not activated via the right joystick
- Deactivation of the travel alarm
- Deactivation of the overload alarm
- Display of speed in km/h
- Deactivation of idle function via keypad and joystick
- Speed controller
- Screen display in Road Mode

PARKING MODE

- Engage parking brake
- Turn the transmission into Neutral
- Deactivation of the accelerator pedal
- Set engine rpm into idle
- Lock hydraulic and electrical controls
- Screen display in Economy Mode
- Lock oscillating axle

NOTE

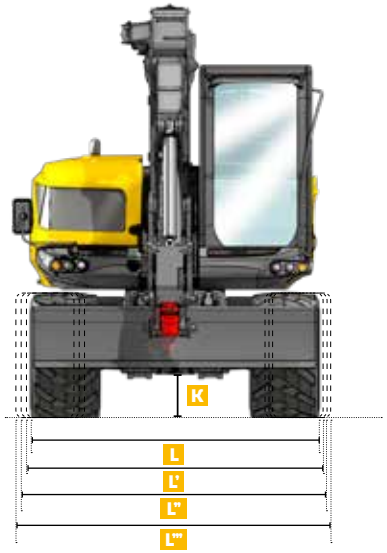
METRIC MEASUREMENTS ARE THE CRITICAL VALUES DIMENSIONS ARE TAKEN FROM T152021

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

15MWR

TECHNICAL DATA

COMMON TO ALL BOOM KINEMATICS

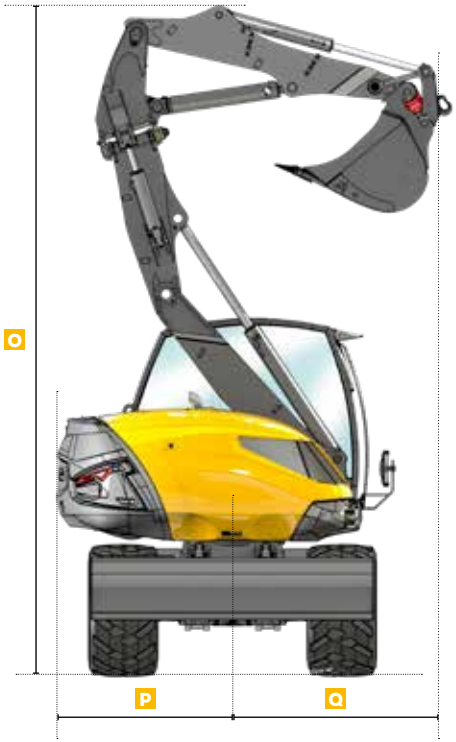


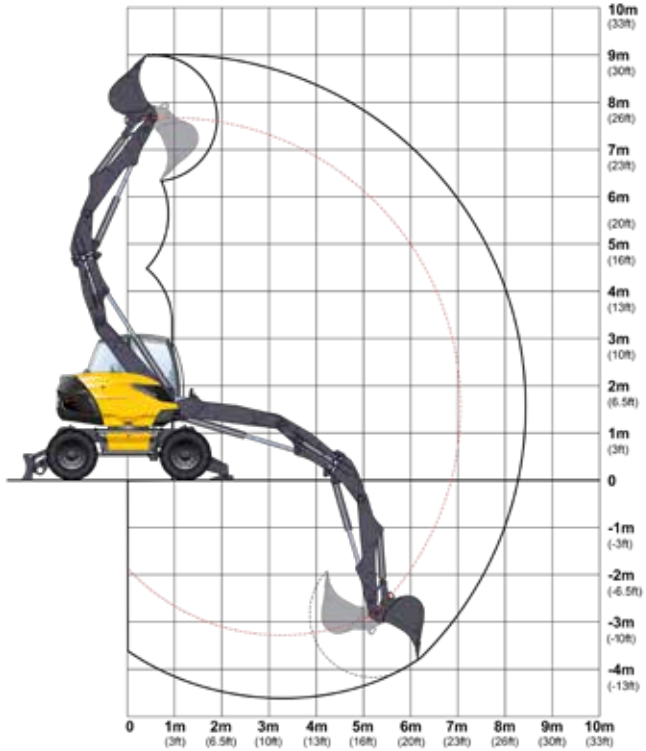
MACHINE DIMENSIONS	COMMON TO ALL BOOM KINEMATICS
A Cab height (without attachment)	3127 mm (10'3")
B Hood top height	2325 mm (7'8")
C Overhang of lower frame on stabilisers side	2312 mm (7'7")
D Overhang of lower frame on blade side	2225 mm (7'4")
E Wheelbase	2450 mm (8')
F Blade crossing angle	29°
G Height of blade raised	450 mm (1'6")
H Stabilisers crossing angle	32°
I Height of stabilisers raised	447 mm (1'6")
J Ground clearance at axle	454 mm (1'6")
K Ground clearance at gearbox	350 mm (1'2")
L Width with 18-19.5 tires	2390 mm (7'10")
L' Width with 10-20 twin tires	2505 mm (8'3")
L" Width with 600/40 tires	2520 mm (8'3")
L'" Width with Caliber tires	2580 mm (8'6")

15MWR

TECHNICAL DATA

MECALAC VERSATILE ATTACHMENT





MACHINE DIMENSIONS	MECALAC VERSATILE ATTACHMENT
M Overall length with attachment	5200 mm (17'1")
N Overall height of structures	3660 mm (12')
O Height in swing position	5815 mm (19'1")
P Tail swing radius	1570 mm (5'2")
Q Minimal front radius	1845 mm (6'1")

PERFORMANCE DIGGING BUCKET	
Break-out force	8170 daN (18,370 lbf)
Penetration/Tear-out force	5500 daN (12,360 lbf)
Maximum reach	8300 mm (27'3")
Maximum digging depth	4550 mm (14'11")

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

All the weights are given in kg (lb).

	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
	3M (9'10")		4.5M (14'9")		6M (19'8")	
3M (9'10")	8000 (17,640)	8000 (17,640)	6600 (14,550)	4400 (9,700)	4600 (10,140)	2200 (4,850)
0M	8000 (17,640)	8000 (17,640)	8000 (17,640)	3400 (7,500)	5200 (11,460)	2000 (4,400)
-1.5M (4'11")	8000 (17,640)	8000 (17,640)	8000 (17,640)	3300 (7,280)	3900 (8,600)	1900 (4,190)

LIFTING FORCE WITH LOADING HOOK - ON WHEELS

All the weights are given in kg (lb).

	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
	3M (9'10")		4.5M (14'9")		6M (19'8")	
3M (9'10")	8000 (17,640)	6500 (14,330)	4600 (10,140)	3400 (7,500)	2400 (5,290)	1700 (3,750)
0M	8000 (17,640)	6000 (13,230)	3700 (8,160)	2600 (5,730)	2200 (4,850)	1500 (3,300)
-1.5M (4'11")	8000 (17,640)	4500 (9,920)	3700 (8,160)	2300 (5,070)	2100 (4,630)	1400 (3,090)

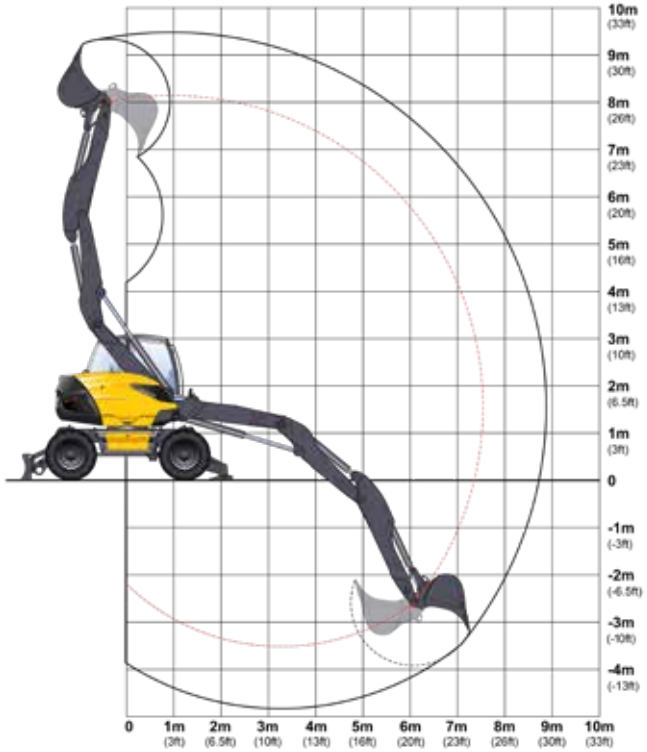
WORKING CONDITIONS AT LIFTING HOOK

- On horizontal, compact ground
- Equipment used without offset
- Oscillation axle blocked
- Without tools (bucket, shovel…) with handling plate and loading hook of 8 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

15MWR

TECHNICAL DATA

TWO-PIECE BOOM ATTACHMENT



MACHINE DIMENSIONS	TWO-PIECE BOOM ATTACHMENT
M Overall length with attachment	5200 mm (17'1")
N Overall height of structures	3735 mm (12'3")
O Height in swing position	6130 mm (20'1")
P Tail swing radius	1570 mm (5'2")
Q Minimal front radius	1420 mm (4'9")

PERFORMANCE DIGGING BUCKET	
Break-out force	8170 daN (18,370 lbf)
Penetration/Tear-out force	6200 daN (13,940 lbf)
Maximum reach	8800 mm (28'10")
Maximum digging depth	4800 mm (15'9")

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

All the weights are given in kg (lb).

	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
	3M (9'10")		4.5M (14'9")		6M (19'8")		7.5M (24'7")	
3M (9'10")	8000 (17,640)	8000 (17,640)	6500 (14,330)	4400 (9,700)	4600 (10,140)	2300 (5,070)	3300 (7,280)	1400 (3,090)
0M	8000 (17,640)	8000 (17,640)	8000 (17,640)	3500 (7,720)	5400 (11,900)	2000 (4,400)	2800 (6,170)	1300 (2,870)
-1.5M (4'11")	8000 (17,640)	8000 (17,640)	8000 (17,640)	3200 (7,060)	4100 (9,040)	1900 (4,190)	-	-

LIFTING FORCE WITH LOADING HOOK - ON WHEELS

All the weights are given in kg (lb).

	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
	3M (9'10")		4.5M (14'9")		6M (19'8")		7.5M (24'7")	
3M (9'10")	8000 (17,640)	6600 (14,550)	4700 (10,360)	3500 (7,720)	2400 (5,290)	1700 (3,750)	1500 (3,300)	1000 (2,200)
0M	8000 (17,640)	6000 (13,230)	3800 (8,380)	2700 (5,950)	2200 (4,850)	1500 (3,300)	1400 (3,090)	900 (1,980)
-1.5M (4'11")	8000 (17,640)	4700 (10,360)	3600 (7,940)	2400 (5,290)	2100 (4,630)	1400 (3,090)	-	-

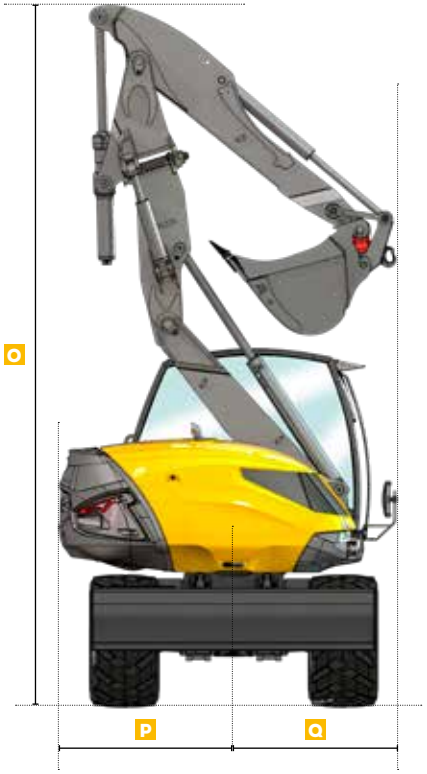
WORKING CONDITIONS AT LIFTING HOOK

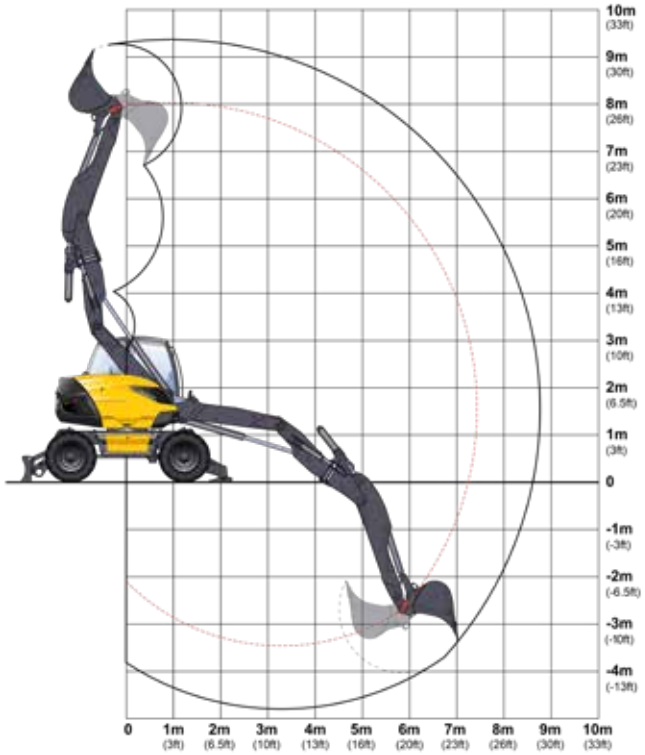
- On horizontal, compact ground
- Oscillation axle blocked
- Without tools (bucket, shovel…) with handling plate and loading hook of 8 T
- Wheels 18-19.5
- 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for optimal position of boom and cylinders

15MWR

TECHNICAL DATA

OFFSET TWO-PIECE BOOM ATTACHMENT





MACHINE DIMENSIONS	OFFSET TWO-PIECE BOOM ATTACHMENT
M Overall length with attachment	5200 mm (17'1")
N Overall height of structures	3786 mm (12'5")
O Height in swing position	6130 mm (20'1")
P Tail swing radius	1570 mm (5'2")
Q Minimal front radius	1420 mm (4'9")

PERFORMANCE DIGGING BUCKET	
Break-out force	8170 daN (18,370 lbf)
Penetration/Tear-out force	6200 daN (13,940 lbf)
Maximum reach	8700 mm (28'7")
Maximum digging depth	4700 mm (15'9")

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

All the weights are given in kg (lb).

	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
	3M (9'10")		4.5M (14'9")		6M (19'8")		7.5M (24'7")	
3M (9'10")	8000 (17,640)	8000 (17,640)	6400 (14,110)	4400 (9,700)	4500 (9,920)	2500 (5,510)	2900 (6,390)	1300 (2,870)
0M	8000 (17,640)	8000 (17,640)	8000 (17,640)	3400 (7,500)	5200 (11,460)	1900 (4,190)	2700 (5,950)	1200 (2,650)
-1.5M (4'11")	8000 (17,640)	8000 (17,640)	8000 (17,640)	3000 (6,600)	4000 (8,820)	1800 (3,970)	-	-

LIFTING FORCE WITH LOADING HOOK - ON WHEELS

All the weights are given in kg (lb).

	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
	3M (9'10")		4.5M (14'9")		6M (19'8")		7.5M (24'7")	
3M (9 ft)	8000 (17,640)	6500 (14,330)	4700 (10,360)	3400 (7,500)	2500 (5,510)	1700 (3,750)	1400 (3,090)	900 (1,980)
0M	8000 (17,640)	5900 (13,000)	3600 (7,940)	2500 (5,510)	2100 (4,630)	1400 (3,090)	1300 (2,870)	800 (1,760)
-1.5M (4 ft)	8000 (17,640)	4400 (9,700)	3400 (7,500)	2200 (4,850)	2000 (4,400)	1300 (2,870)	-	-

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 8 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

MECALAC FRANCE S.A.S.
2, avenue du Pré de Challes
Parc des Glaisins – CS 40230
Annecy-le-Vieux
FR - 74942 Annecy Cedex
Tel: +33 (0) 4 50 64 01 63

WWW.MECALAC.COM

MK365/EN-04/18 **Design** Les Alchimistes **Photo credits** Sémaphore - Istockphoto - Fotolia **Non-binding document**