

Mecalac

MWR
SERIES



MWR
SERIES
Mecalac



7 MWR

9 MWR

11 MWR



MWR SERIES
**URBAN MACHINE
HUMAN ENGINE**

“For the past 40 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 Humans for Humans. We are proud to be men and women innovators who improve and push back the limits of our clients’ objectives.”

Alexandre Marchetta
Chairman
Groupe Mecalac



MWR 7.9.11

THE BEST OF 2 WORLDS

**LOWERING THE
CENTER OF
GRAVITY, SIMPLY
REVOLUTIONARY!**



The fusion of the advantages of wheeled and crawler excavators brought about a unique Mecalac solution, conjugating mobility, versatility, stability, accessibility, driving user friendliness, lifting power and profitability. This is MWR series.





WATCH THE VIDEO

**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.





7.9.11 MWR

FROM GENESIS TO SOLUTION

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

AN EXCLUSIVE CONCEPT, A UNIQUE SOLUTION

By lowering the center of gravity of the new MWR relative to its competitors, Mecalac revolutionizes by 100% the world of wheeled excavators.

Consequences on all “levels”: from stability to accessibility, by way of security and “all terrain” mobility, the machine gains in balance and in force without dropping any of its initial qualities.

More than a machine, the MWR is the achievement of a new concept and the result of a combined expertise of Mecalac for both wheeled and crawler excavators.

Its design has been developed to answer very demanding and complex specifications which Mecalac managed to implement in one single and unique machine.

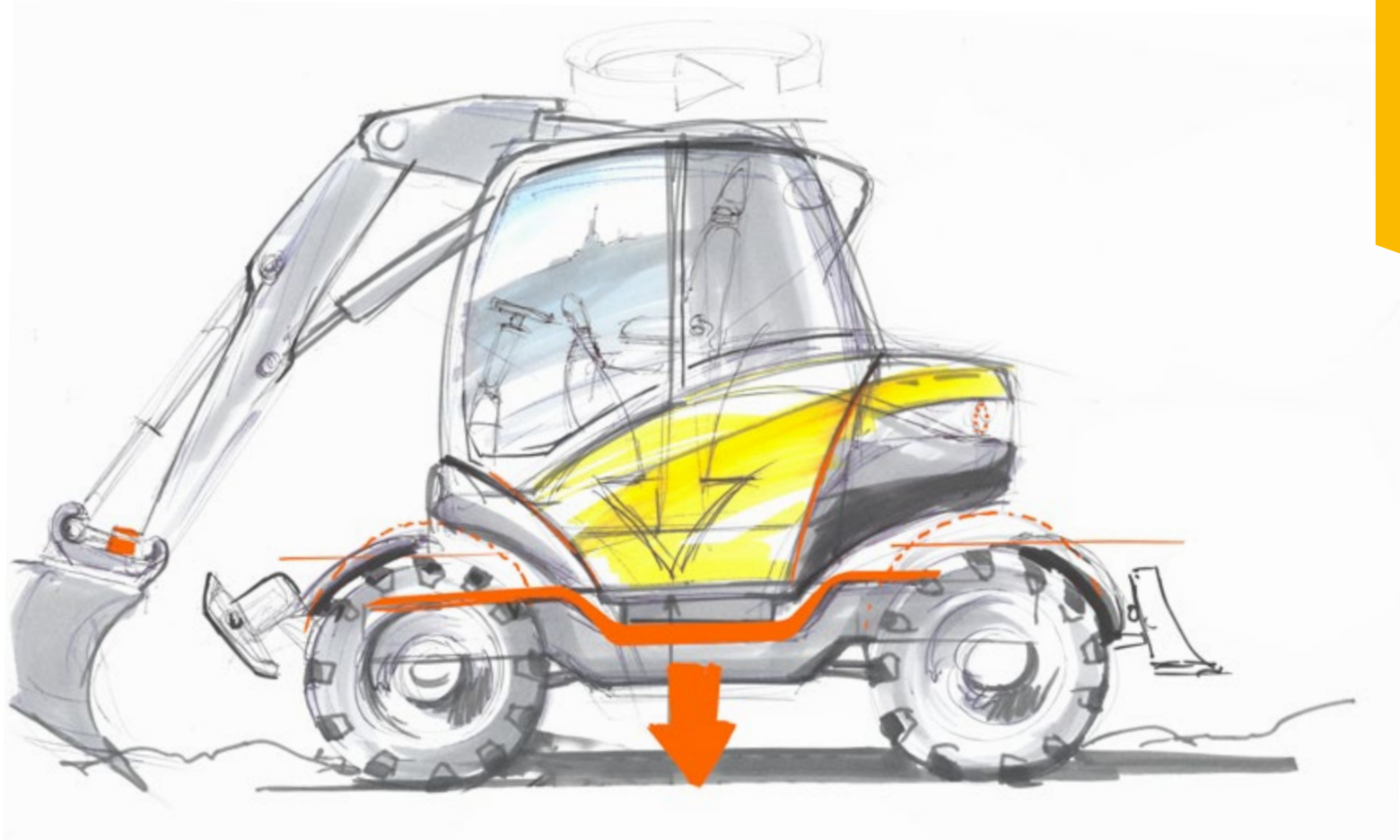
The result: a machine with XS proportions and with XL lifting power, versatile and ultra-stable.

Moreover, the 9MWR benefits from the latest interior and exterior patented Mecalac technologies (articulated boom with offset, cylinder coupling, Connect quick coupler, central command selector, “speed control” function).

AWARD 2016

Mecalac wins the Prize for Design of the 2016 Innovation AWARDS at the world exhibition BAUMA for the new concept of excavators on tyres: MWR.





WATCH THE VIDEO

| | WHEELED EXCAVATORS | CRAWLER EXCAVATORS | MWR |
|----------------------------------|--------------------|--------------------|-----|
| Mobility | • | | • |
| Versatility | • | | • |
| Autonomy | • | | • |
| Driving user-friendliness | | • | • |
| Ability for all types of terrain | | • | • |
| Security | | • | • |
| Accessibility | | • | • |
| Stability | | • | • |



MWR 7.9.11

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





1 BUTTON
3 MODES





WATCH THE VIDEO



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, 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.





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 VIDEO







USER-FRIENDLY

THE QUEST FOR SIMPLICITY: DRIVING OUR RESEARCH

THE MWR REPRESENTS A NEW WAY TO INTERACT WITH CONSTRUCTION VEHICLES, THANKS TO ITS COMPLETELY REDESIGNED INTERNAL AND EXTERNAL ERGONOMICS AND UNIQUE INTERFACE BETWEEN HUMAN-MACHINE THAT COMBINES ACCESSIBILITY AND SAFETY.

Each and every driver action is simplified, affording greater protection of everybody on the worksite. When it comes to innovation, 'less is more' is definitely one of the keys to Mecalac's success.





WATCH THE VIDEO





USER-FRIENDLY

CLIMB UP AND DOWN EASILY

**THANKS TO THE LOWERED
CENTRE OF GRAVITY OF
THE MACHINE, THE CABIN
IS PERFECTLY ACCESSIBLE
TO THE DRIVER, WITHOUT
MAKING TOO MUCH EFFORT
OR TAKING ANY RISKS.**

The cab is 20% lower compared to rival products on the market so now entering and exiting the vehicle requires much less effort, and is further eased by the addition of a step that has been perfectly incorporated into the machine's design. One small step for man; one giant leap for worksite safety.







WATCH THE VIDEO



USER-FRIENDLY

FILL UP YOUR TANK EFFORTLESSLY

**THE TANK IS EXTREMELY
ACCESSIBLE AS IT IS LOCATED
ON THE UNDERCARRIAGE
AT A REACHABLE HEIGHT.**

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 an MWR is as simple as it is safe. Because daily upkeep should always be risk-free.





MWR 7.9.11

OPTIMAL PERFORMANCE

MWR machines are equipped with numerous technical characteristics for optimal construction site management on all types of terrain.

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



MECALAC

MECALAC



PERFORMANCE

NATURALLY BALANCED

THE NEW MWRS BENEFIT 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 MWRS transform worksite logistics thanks to their incredible stability in any position and on any terrain. Whatever the conditions, they stay balanced both when travelling in transfer operations between sites as well as during work phases. This gives them 360° lifting performance - an extraordinary feat.





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.

In order to guarantee the machine's mobility in spite of ground's unevenness, the machine keeps enough height to avoid rubbing and risks of tearing out the undercarriage.





PERFORMANCE

MANŒUVRABILITY & COMPACTNESS

The new MWRs 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 a maximum mobility in narrow spaces.

**2.5 TIMES
MORE COMPACT
THAN A CLASSIC
EXCAVATOR**



AGILITY

Efficiency of movement

When the leeway is limited, the MWRs are a powerful ally. Their perfectly integrated and light offset and their 3-part arm allow them to work outside the pattern of the machine.

MOBILITY

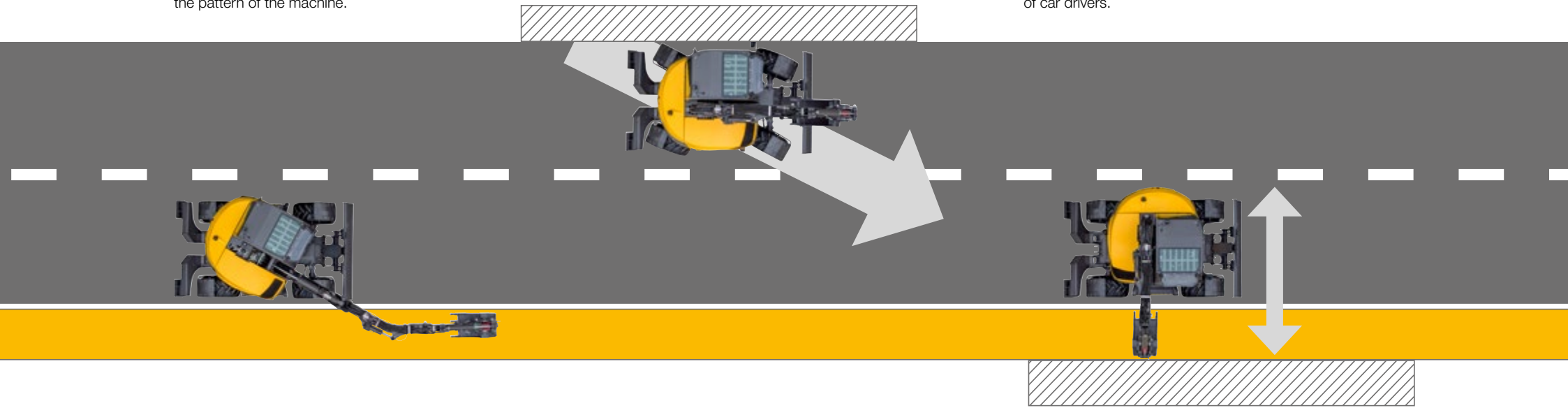
Best manoeuvrability

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

COMPACTNESS AT WORK

in the service of security

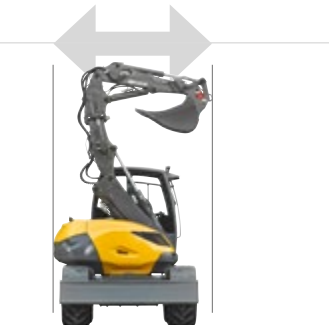
With their XS dimensions, their 360° rotation and their exceptional angular displacement of the boom, the MWRs only require one way in an urban area to carry out their missions, thus preserving the security of pedestrians and of car drivers.



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 MWRs makes these powerful and precise handling machines capable of lifting up to 3 tons to 3 m and 360°!

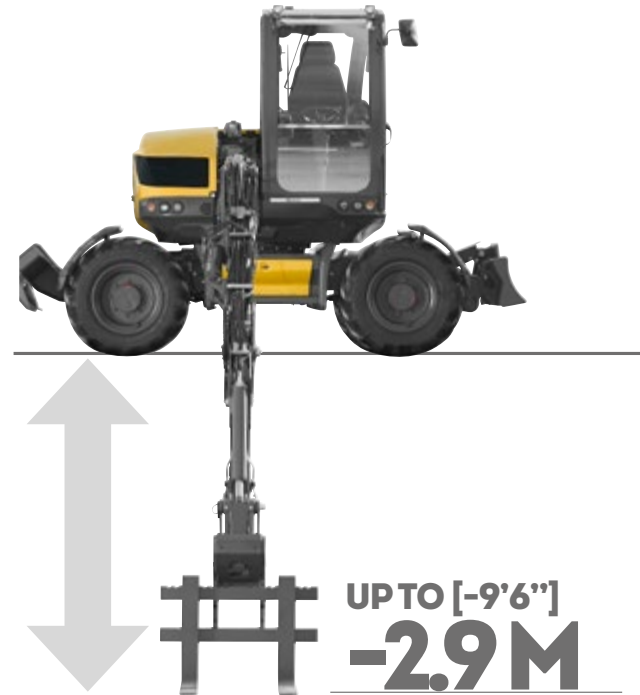


360°



AMPLITUDE

Equipped with a loader bucket or with pallet forks, the new MWRs allow for an unusual range of amplitude whether this is positive for loading a truck or negative for offloading pallets.



WATCH THE VIDEO





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 construction site for optimal autonomy.





LARGE DIGGING AMPLITUDE



STATIC LOAD



UNIQUE OVERFLOW HEIGHT



WATCH THE VIDEO



SERVICES

PERFORMANCE, PROFITABILITY, LONGEVITY

DISCOVER OUR SERVICES

MECALAC PREMIUM LUBRICANTS

Premium lubricants to get the best out of your machines:

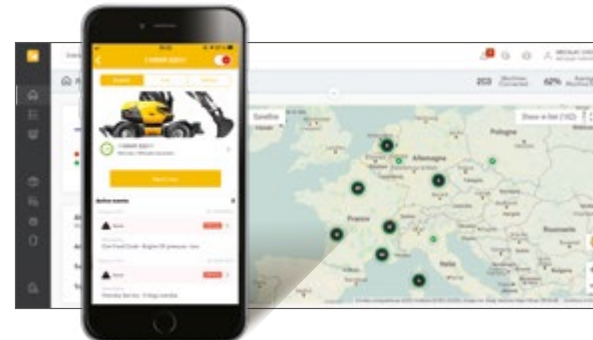
- Extended machine life
- Extended warranty and extended oil change intervals
- All-weather efficiency



MY MECALAC CONNECTED SERVICES

To optimise the use of its machines, MECALAC offers a range of telematics services:

- Remote fleet management
- Access to all machine usage data of the machines
- Limited machine downtime thanks to preventive maintenance





MECALAC GENUINE PARTS

Only genuine MECALAC parts ensure optimum service life and maximum performance:

- Certified genuine parts
- Maintenance kits
- Extended warranty



MECALAC TRAINING

Make full use of the full potential of your Mecalac machines:

- Efficient use
- Individual coaching
- Intensive practice



MECALAC FINANCIAL SOLUTIONS

A complete range of financial products and associated services to meet your specific needs:

- Machine purchase
- Machine rental
- Competitive rates



WARRANTY EXTENSIONS

Our solutions are well-adapted to your needs to maximise the life of your machines:

- Customised contracts
- Peace of mind
- Controlled expenses



The list of services offered may vary depending on your country. Consult your local Mecalac dealer for details.



MWR 7.9.11

SET UP YOUR MWR

The new MWR 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 MWR 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

7MWR-9MWR

Simple Alliance 365/70 R18 EM (standard)
Large Alliance 500/45 R20
Twin BKT 8.25-20 (with spacer)

11MWR

Simple Alliance/Mitas 18-19.5 (standard)
Large Alliance 600/40 R22.5
Twin BKT 9.00-20 (with spacer)

TECHNOLOGIE

MyMecalac Connected Services (Telematics)



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

CAB - COMFORT AND SAFETY

Air conditioning (increases cab height)
Rotating beacon
LED rotating beacon
Travel alarm
White noise type adaptative travel alarm
Overload buzzer (additional to screen indicator)
Additional front working light
Rear working light, LED
Stereo USB Bluetooth radio
Heated pneumatic seat
Rear cam (in addition to the side cam)
Pattern changer ISO / SAE
Rain protector
Cabin sun visor (standard)
12V Plug
Preparation for installation of a fleet management system

FRAME

4 steering wheels 30 km/h (7MWR and 11MWR)
2 steering wheels 35km/h (9MWR)
2 steering wheels 30km/h (11MWR)
4 steering wheels 20km/h (9MWR and 11MWR)
4 steering wheels 35km/h (9MWR)
Steering direction inversion (4 steering wheels only)
Mudguards (4 steering wheels only)
Front blade and stabilisers
Blade rear (standard)
Rubber protective pads under stabilisers
Clamshell grab support
Additional counterweight
Blade preparation for trailer hook

ENGINE

Diesel Particulate Filter (DPF) (standard in Europe)
Automatic engine idle shutdown
Electric diesel refueling pump with automatic stop
Anti-theft device - electronic immobilizer with 6 keys

AUXILIARY LINES

Additional proportional auxiliary line (diverted offset cylinder for rotating function of a clamshell)
Additional auxiliary line (diverted bucket cylinder for opening / closing function of a clamshell)
Hammer return line

ANTIDROP SAFETY VALVES

Safety valves on boom, adjustable boom, dipperstick (standard)
Safety valves on boom, adjustable boom, dipperstick, bucket

QUICK COUPLER

Mecalac CONNECT hydraulic quick coupler - with hook
Device for the Direct Coupling of tools on dipperstick ("pin-on") with pins, in-cab switch and hydraulic lines for quick couplers

LUBRICATION

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

OIL CHOICES

Hydraulic oil (VG 46) (standard)
Hydraulic oil Syn Panolin (HLP 46)
Hydraulic organic oil Panolin (HLP 46)
Hydraulic oil for cold weather (ISO 32)
Hydraulic oil for hot weather (ISO 68)
Hydraulic oil for very hot weather (ISO 100)

7.9.11MWR

ACCESSORIES MECALAC EXCLUSIVE

DIGGING BUCKETS

| 7MWR | WIDTH mm (ft in) | Number of teeth | VOLUME l (yd³) | WEIGHT kg (lb) |
|---------------------------------------|------------------|-----------------|----------------|----------------|
| DIGGING BUCKET with teeth or no teeth | 350 (1'2") | 3 | 100 (0.13) | 121 (267) |
| | 450 (1'6") | 3 | 130 (0.17) | 131 (289) |
| | 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) |
| 9MWR | WIDTH mm (ft in) | Number of teeth | VOLUME l (yd³) | WEIGHT kg (lb) |
| DIGGING BUCKET with teeth or no teeth | 350 (1'2") | 3 | 115 (0.15) | 130 (286) |
| | 450 (1'6") | 3 | 150 (0.20) | 140 (308) |
| | 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) |
| 11MWR | WIDTH mm (ft in) | Number of teeth | VOLUME l (yd³) | WEIGHT kg (lb) |
| DIGGING BUCKET with teeth or no teeth | 350 (1'2") | 3 | 150 (0.20) | 204 (449) |
| | 450 (1'6") | 3 | 190 (0.25) | 222 (489) |
| | 600 (2') | 3 | 275 (0.36) | 255 (562) |
| | 750 (2'5.5") | 4 | 360 (0.47) | 292 (643) |
| | 900 (2'11") | 4 | 450 (0.59) | 328 (723) |
| | 1200 (3'11") | 5 | 630 (0.82) | 393 (866) |

NARROW BUCKET

| TYPE | WIDTH mm (ft in) | Number of teeth | VOLUME l (yd³) | WEIGHT kg (lb) |
|---------------|------------------|-----------------|----------------|----------------|
| NARROW BUCKET | 300 (1') | 3 | 80 (0.10) | 219 (482) |

LOADER BUCKETS (SKID AND 4X1)

| 7MWR | WIDTH mm (ft in) | Number of teeth | VOLUME l (yd³) | WEIGHT kg (lb) |
|---|------------------|-----------------|----------------|----------------|
| SKID BUCKET no teeth | 2200 (7'3") | - | 540 (0.71) | 378 (833) |
| 9MWR | WIDTH mm (ft in) | Number of teeth | VOLUME l (yd³) | WEIGHT kg (lb) |
| SKID BUCKET no teeth | 2310 (7'7") | - | 570 (0.75) | 389 (857) |
| 11MWR | WIDTH mm (ft in) | Number of teeth | VOLUME l (yd³) | WEIGHT kg (lb) |
| SKID BUCKET no teeth | 2500 (8'2") | - | 820 (1.1) | 475 (1,047) |
| SKID BUCKET 4x1 with or without teeth | 2200 (7'3") | 7 | 540 (0.71) | 617 (1,360) |
| 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 mm (1'2") | 2200 (7'3") | - | - | 62 (136.6) |
| TEETH PROTECTION for 4x1 BUCKET | | | | 11 (24) |

DIGGING BUCKET WITH GRAPPLE

| 7MWR | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
|------------------------------------|------------------|----------------|----------------|
| GRAPPLE BUCKET, 2 hydraulic thumbs | 750 (2'5.5") | 240 (0.31) | 284 (626) |
| CONNECTION KIT, HOSES | | | 5 (11) |
| 9MWR | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
| GRAPPLE BUCKET, 2 hydraulic thumbs | 750 (2'5.5") | 285 (0.37) | 304 (670) |
| CONNECTION KIT, HOSES | | | 5 (11) |
| 11MWR | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
| GRAPPLE BUCKET, 2 hydraulic thumbs | 900 (2'11") | 450 (0.59) | 492 (1085) |
| CONNECTION KIT, HOSES | | | 5 (11) |

MECALAC MR40 & MR50 TILTROTATOR

| 7MWR | Specifications | PIN to PIN HEIGHT mm (ft in) | ROTATION TORQUE Nm (lbf.ft) | WEIGHT kg (lb) 1xCONNECT |
|-----------------------------------|---|------------------------------|-----------------------------|--------------------------|
| MR40 TILTROTATOR no grab | Twin CONNECT configuration, 2x 40° 2 low-flow auxiliary functions | 574,9 (1'12") | 3900 (2,876) | 280 (617) |
| MR40 TILTROTATOR with grab module | Twin CONNECT configuration, 2x 40° 1 low-flow auxiliary function | 574,9 (1'12") | 3900 (2,876) | 330 (727) |
| 9MWR - 11MWR | Specifications | PIN to PIN HEIGHT mm (ft in) | ROTATION TORQUE Nm (lbf.ft) | WEIGHT kg (lb) 1xCONNECT |
| MR50 TILTROTATOR no grab | Twin CONNECT configuration, 2x 40° 2 low-flow auxiliary functions | 639 (2'1") | 6600 (4,868) | 400 (882) |
| MR50 TILTROTATOR with grab module | Twin CONNECT configuration, 2x 40° 1 low-flow auxiliary function | 639 (2'1") | 6600 (4,868) | 468 (1,032) |

MECALAC TILTROTATOR DEDICATED GRADING BUCKET

| 7MWR | Specifications | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
|--|--|------------------|----------------|----------------|
| GRADING BUCKET for TILTROTATOR MR40 | Dedicated bucket for finishing works | 1200 (3'11") | 280 (0.37) | 198 (436) |
| BOLTED COUNTERBLADE for GRADING BUCKET | borehole center-to-center distance 152.4 mm (6 in) | 1200 (3'11") | - | 28 (61.7) |
| 9MWR - 11MWR | Specifications | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
| GRADING BUCKET for TILTROTATOR MR50 | Dedicated bucket for finishing works | 1300 (4'3") | 340 (0.44) | 246 (542) |
| BOLTED COUNTERBLADE for GRADING BUCKET | Borehole center-to-center distance 152.4 mm (6 in) | 1300 (4'3") | - | 29,2 (64.3) |
| GRADING BUCKET for TILTROTATOR MR50 | Dedicated bucket for finishing works | 1500 (4'11") | 450 (0.59) | 286 (631) |
| BOLTED COUNTERBLADE for GRADING BUCKET | Borehole center-to-center distance 152.4 mm (6 in) | 1500 (4'11") | - | 43 (95) |



ACCESSORIES MECALAC EXCLUSIVE

MECALAC MB30, MB40 & MB50 HYDRAULIC HAMMER

| 7MWR | Specifications | HEIGHT mm (ft in) | BLOWS per minute (bpm) | NOISE LEVEL dB | WEIGHT kg (lb) |
|--|---|---------------------|------------------------|----------------|--------------------|
| MB30 HYDR. HAMMER / Light application | With chisel and pyramidal type tool options | 1221 (4'0") | 630-1420 | 125 | 231 (0,509) |
| MB40 HYDR. HAMMER / Heavy application | With blunt, chisel or pyramidal type tool options | 1374 (4'6") | 700 - 1540 | 124 | 304 (0,670) |
| 9MWR - 11MWR | Specifications | HEIGHT mm (ft in) | BLOWS per minute (bpm) | NOISE LEVEL dB | WEIGHT kg (lb) |
| MB40 HYDR. HAMMER / Light application | With blunt, chisel or pyramidal type tool options | 1374 (4'6") | 700 - 1540 | 124 | 304 (0,670) |
| MB50 HYDR. HAMMER / Heavy application | With blunt, chisel or pyramidal type tool options | 1494 (4'11") | 700 - 1440 | 123 | 365 (0,805) |

TILT DITCH CLEANING BUCKET

| 7MWR | Specifications | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
|----------------------------|--|---------------------|-------------------|--------------------|
| TILT DITCH CLEANING BUCKET | 2x Linear cylinders, 2x 45° borehole center-to-center distance 152.4 mm (6 in) | 1500 (4'11") | 280 (0.36) | 340 (749) |
| BOLTED COUNTER BLADE | | 1500 (4'11") | - | 43 (95) |
| 9MWR | Specifications | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
| TILT DITCH CLEANING BUCKET | 2x Linear cylinders, 2x 45° borehole center-to-center distance 152.4 mm (6 in) | 1500 (4'11") | 321 (0.42) | 415 (915) |
| BOLTED COUNTER BLADE | | 1500 (4'11") | - | 43 (95) |
| 11MWR | Specifications | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
| TILT DITCH CLEANING BUCKET | 2x Linear cylinders | 1700 (5'7") | 367 (0.48) | 485 (1,069) |
| BOLTED COUNTER BLADE | borehole center-to-center distance 152.4 mm (6 in) | 1700 (5'7") | - | 48 (106) |

DITCH CLEANING BUCKET AND COUNTER-BLADE

| 7MWR - 9MWR | 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 mm (0'52") | 1500 (4'11") | - | 30.5 (67) |
| 11MWR | Specifications | WIDTH mm (ft in) | VOLUME l (yd³) | WEIGHT kg (lb) |
| DITCH CLEANING BUCKET | - | 1800 (5'11") | 400 (0.52) | 350 (772) |
| BOLTED COUNTER BLADE | borehole center-to-center distance 152.4 mm (6 in) | 1800 (5'11") | - | 47 (104) |

HYDRAULIC THUMB

| 7MWR | WIDTH mm (in) | number of tines | LENGTH mm (in) | WEIGHT kg (lb) |
|--|-------------------|-----------------|-------------------|-----------------|
| HYDRAULIC THUMB with teeth Available with the 2-piece boom with offset only | 270 (10.6) | 4 | 950 (37.4) | 74 (163) |

PALLET FORK

| TYPE | Specifications | WEIGHT kg (lb) |
|--------------------------------|---------------------------------|-------------------|
| PALLET FORK | to be used with 4 safety valves | 330 (728) |
| KIT BLADE-MOUNTED PALLET FORKS | | 52 (114.6) |

SKID STEER ADAPTER

| TYPE | WEIGHT kg (lb) |
|---|------------------|
| TYPE: 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 | to be used with 3 safety valves | 43 (94) |
| HAMMER plate no boreholes | - | 80 (176) |
| HAMMER plate with boreholes | contact your dealer | 80 (176) |

HANDLING JIB

| 7MWR - 9MWR | Specifications | WEIGHT kg (lb) |
|--------------|--|-------------------|
| HANDLING JIB | length 2000 mm (6'7"), lifting capacity 500 Kg (1,100 lb) to be used with 4 safety valves | 80.5 (177) |
| 11MWR | 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 | 113 (249) |

CLAMSHELL BUCKET SUPPORT

| TYPE | Specifications | WEIGHT kg (lb) |
|--|----------------|-----------------|
| SUPPORT PIECE FOR CLAMSHELL BUCKET - 7MWR, 9MWR, 11MWR | - | 67 (147) |

RIPPER TOOTH

| TYPE | WEIGHT kg (lb) |
|--------------|------------------|
| RIPPER TOOTH | 170 (374) |

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.

7.9.11MWR

TECHNICAL DATA

| WEIGHT | 7MWR | 9MWR | 11MWR |
|---|--|--|--|
| In running order, without bucket, with 75 kg (165 lb) operator, fuel tank full without optional equipment, standard tires | | | |
| - Rear blade | 6925 kg (15,300 lb) | 7900 kg (17,400 lb) | 10000 kg (22,050 lb) |
| - Front stabilisers + blade | not available | +300 kg (+661 lb) | +450 kg (+992 lb) |
| - Large tires | +60 kg (+132 lb) | +60 kg (+132 lb) | +160 kg (+352 lb) |
| - Twin tires | +350 kg (+771 lb) | +350 kg (+771 lb) | +380 kg (+837 lb) |
| ENGINE | 7MWR | 9MWR | 11MWR |
| Turbocharged engine with intercooler, chilled air inlet, water-cooled, electronic control and "Common Rail" injection system. Emission technologies include an EGR valve (recirculation system), DOC (Diesel Oxidation Catalyst) and DPF (Diesel Particulate Filter) | | | |
| 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 - 74.3 imperial hp) | 55.4 kW (75hp - 74.3 imperial hp) | 55.4 kW (75hp - 74.3 imperial hp) |
| Engine speed | 2300 rpm | 2300 rpm | 2200 rpm |
| Maximum torque | 260 Nm at 1600 rpm (192 ft.lbf at 1600 rpm) | 300 Nm at 1600 rpm (221 ft.lbf at 1600 rpm) | 405 Nm at 1300 rpm (299 ft.lbf at 1300 rpm) |
| Cubic capacity | 2900 cm ³ (177 in ³) | 2900 cm ³ (177 in ³) | 3600 cm ³ (220 in ³) |
| Cooling | water | water | water |
| Air filter, cyclonic, dry, cartridge | • | • | • |
| Fuel consumption (depending on operating conditions) | 8 to 9 l/h (2 to 2.3 gph) | 8 to 9 l/h (2 to 2.3 gph) | 7 to 11 l/h (1.8 to 2.9 gph) |
| Fuel tank capacity | 108 l (28.5 gal) | 140 l (36.9 gal) | 165 l (43.5 gal) |
| ELECTRICAL SYSTEM | 7MWR | 9MWR | 11MWR |
| Batteries | 100 Ah / 720 A | 100 Ah / 720 A | 100 Ah / 720 A |
| Voltage | 12 V | 12 V | 12 V |
| Alternator | 14 V (120 A) | 14 V (120 A) | 14 V (120 A) |
| Starter | 12 V 2.6 kW | 12 V 2.6 kW | 12 V 2.6 kW |
| UNDERCARRIAGE | 7MWR | 9MWR | 11MWR |
| Rigid | • | • | • |
| Outside turning radius | | | |
| - 4 steered wheels (optional) | 3.52 m (11 ft 7 in) | 3.56 m (11 ft 8 in) | 3.86 m (12 ft 8 in) |
| - 2 steered wheels | 6.08 m (19 ft 11 in) | 6.10 m (20 ft) | 6.41 m (21 ft) |
| Stabilisers controlled independently or in pairs | not available | • | • |
| TRANSMISSION | 7MWR | 9MWR | 11MWR |
| Closed hydrostatic center with SENSO DRIVE automotive type automatic regulation | • | • | • |
| Electronically controlled traveling direction reverser located under joystick | • | • | • |
| Hydraulic variable displacement pump and motor allow for a continuously variable transmission rate over the whole speed range of the machine | • | • | • |
| Continuously variable speed | 0-30 km/h (i.e. 0-19 mph) | 0-20 km/h (0-35 km/h in option) (0-12 mph (0-22 mph in option)) | 0-20 km/h (0-30 km/h in option) (0-12 mph (0-19 mph in option)) |
| Maximum traction force | 3760 daN (8,450 lbf) | 4820 daN (10,835 lbf) | 4820 daN (10,835 lbf) |
| Gradeability | 60% | 65% | 68% |
| Gearbox with automatic shift | not available | option | option |

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

7.9.11MWR

TECHNICAL DATA

| AXLES AND WHEELS | 7MWR / 9MWR / 11MWR |
|--|-----------------------|
| 4-wheel drive | • |
| Rigid drive axle on the rear | steering as an option |
| Differential lock at 45% on the front and rear axle | • |
| Oscillating drive axle on the front to +/- 7° ; oscillation block involves 2 hydraulic cylinders | steering axle |

| BRAKES | 7MWR / 9MWR / 11MWR |
|---|---------------------|
| Double circuit central braking system | • |
| Oil-immersed multi-disk brakes on each axle | • |

| HYDRAULIC SYSTEM | 7MWR | 9MWR | 11MWR |
|----------------------------|------------------|------------------|------------------|
| Hydraulic oil tank | 56 l (14.8 gal) | 61 l (16 gal) | 77 l (20.3 gal) |
| Hydraulic circuit capacity | 115 l (30.3 gal) | 115 l (30.3 gal) | 115 l (30.3 gal) |

| ATTACHMENT AND ROTATION CIRCUIT | 7MWR | 9MWR | 11MWR |
|---------------------------------|------------------|------------------|------------------|
| Variable displacement pump | 45 cm³ (2.7 in³) | 63 cm³ (3.8 in³) | 75 cm³ (4.6 in³) |

| ACTIVE CONTROL power control | 7MWR | 9MWR | 11MWR |
|---|----------------------|----------------------|----------------------|
| "Load Sensing - Flow Sharing" type LUDV main control valve block, proportionality of functions maintained regardless of the pressure level in individual elements | • | • | • |
| - Maximum flow rate | 100 l/min (26.4 gpm) | 145 l/min (38.3 gpm) | 165 l/min (43.5 gpm) |
| - Maximum working pressure | 280 bar (4,060 psi) | 280 bar (4,060 psi) | 300 bar (4,350 psi) |

| TRANSMISSION CIRCUIT | 7MWR | 9MWR | 11MWR |
|----------------------|---------------------|---------------------|---------------------|
| Pump | 125 l/min (33 gpm) | 125 l/min (33 gpm) | 125 l/min (33 gpm) |
| | 440 bar (6,382 psi) | 440 bar (6,382 psi) | 440 bar (6,382 psi) |
| Max. pressure | | | |

| UPPERFRAME | 7MWR | 9MWR | 11MWR |
|--|--------------------------|---------------------------|---------------------------|
| 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) | 2500 daNm (18,440 ft.lbf) |

| CAB | 7MWR | 9MWR | 11MWR |
|--|-----------------------------------|------|-------|
| Extremely comfortable panoramic cab | ROPS and FOPS approved with guard | | |
| Monocoque cab fastened to 4 spring posts | • | • | • |
| Front windshield partially or fully removable | under the cab roof | | |
| Seat can be set and adjusted to operator height and weight | • | • | • |
| Water heating system compliant with ISO 10263 | • | • | • |
| Independent settings for joystick support consoles | • | • | • |
| Controls assisted by ergonomic, proportional joysticks | • | • | • |
| Dial display of fuel level and coolant temperature | • | • | • |
| Control panel including colour screen | • | • | • |
| Proportional hydraulic control of the attachment integrated into the right-hand joystick | • | • | • |
| Front working light | • | • | • |

| BOOM AND STICK | 7MWR | 9MWR | 11MWR |
|--|-----------------|-----------------|-----------------|
| Mecalac variable kinematics consisting of 4 parts: boom, intermediate boom, offset and dipperstick | • | • | • |
| 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) | 1551 mm (61 in) | 1775 mm (70 in) |
| Right offset | 1820 mm (72 in) | 1899 mm (75 in) | 2034 mm (80 in) |
| Boom cylinder with endof travel shock absorber | • | • | • |
| Stick length | 1650 mm (5'5") | 1800 mm (5'11") | 2025 mm (6'7") |
| CONNECT quick coupler | • | • | • |
| - Take up with automatic mechanical locking | | | |
| - Detection of incorrect locking | | | |
| - Hydraulically-controlled unlocking | | | |

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

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 (boom/front 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

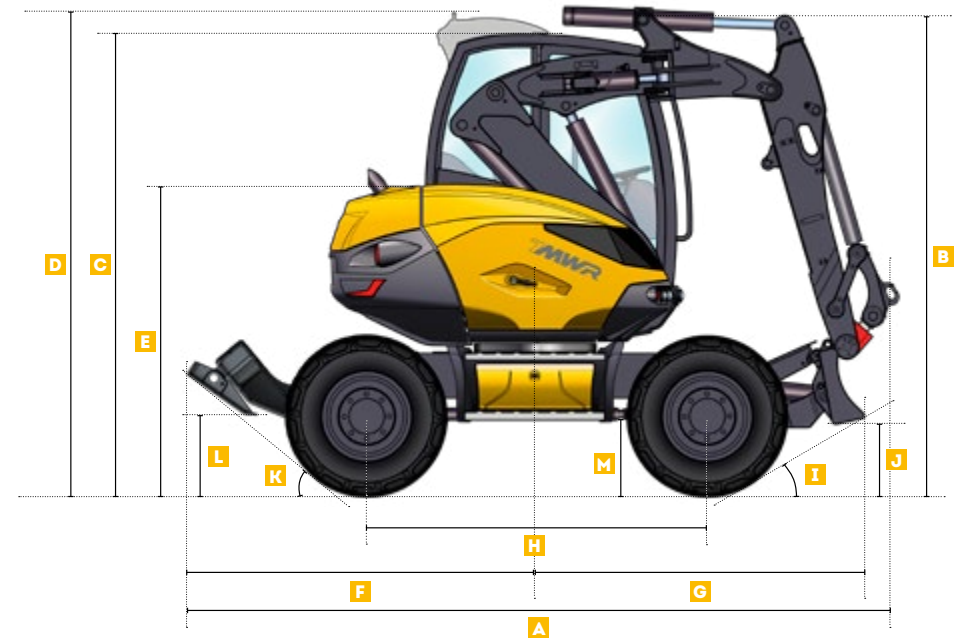
- Engages parking brake
- Turns the transmission into Neutral
- Deactivates the accelerator pedal
- Set engine rpm into idle
- Locks hydraulic and electrical controls
- Sets the screen display in economy mode
- Locks the oscillating axle
- Turns on road headlights

NOTE: METRIC MEASUREMENTS ARE THE CRITICAL VALUES

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

7.9.11MWR

TECHNICAL DATA

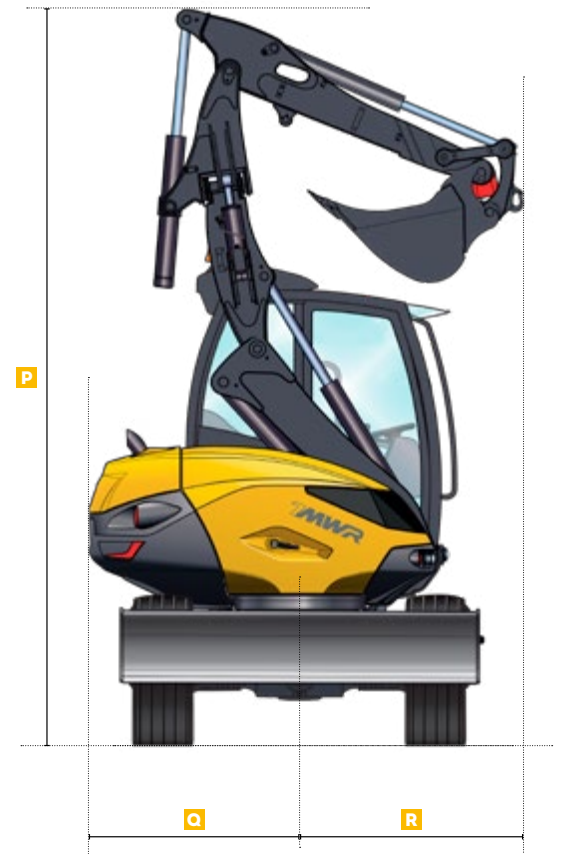
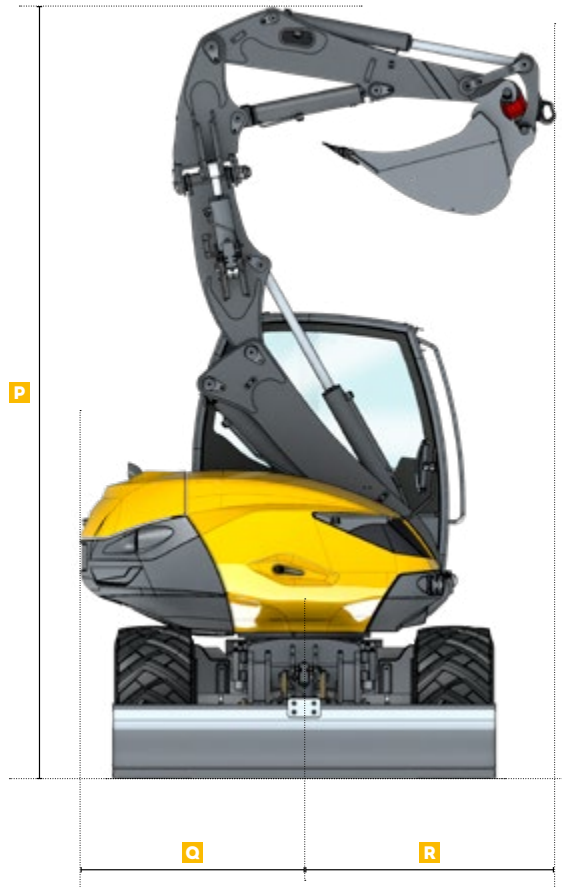
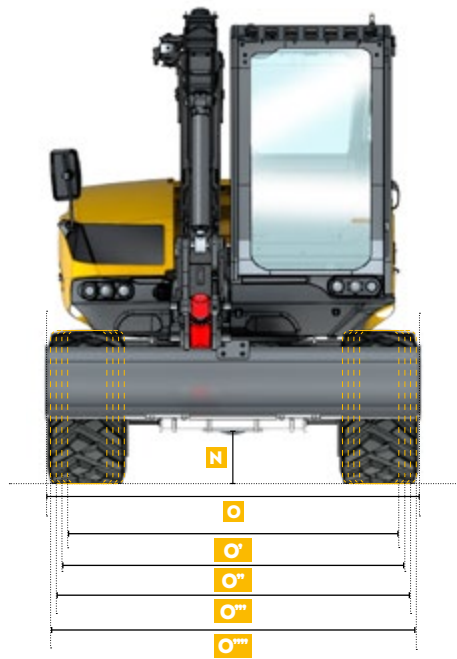


| MACHINE DIMENSIONS | 7MWR | | 9MWR | 11MWR |
|---|-------------------------|--------------------------|-----------------|-----------------|
| | Mecalac versatile boom* | 2-piece boom with offset | | |
| A Overall length incl. boom/stick (without stabilisers for the 7MWR) | 3730 mm (12'3") | 4418 mm (14'6") | 4836 mm (15'1") | |
| B Cab height (excl. boom position) | 2816 mm (9'3") | 2961 mm (9'8") | 2945 mm (9'8") | 3270 mm (10'8") |
| C Cab height (excl. boom position) | 2816 mm (9'3") | 2829 mm (9'3") | 2855 mm (9'48") | |
| D Cab height (excl. boom position, with AC option) | 2944 mm (9'8") | 2970 mm (9'9") | 3072 mm (10'1") | |
| E Cover height | 1865 mm (6'1") | 1886 mm (6'2") | 2030 mm (6'8") | |
| F Overhang of lower frame on stabilisers side (without stabilisers for the 7MWR) | 1550 mm (5'1") | 2159 mm (7'1") | 2275 mm (7'6") | |
| G Overhang of lower frame on blade side | 2030 mm (6'8") | 2076 mm (6'1") | 2230 mm (7'4") | |
| H Wheelbase | 2100 mm (6'11") | 2200 mm (7'3") | 2300 mm (7'7") | |
| I Blade crossing angle | 32° | 28° | 32° | |
| J Height with blade raised | 374 mm (1'3") | 391 mm (1'3") | 498 mm (1'7") | |
| K Stabilisers crossing angle | - | - | 39° | 36° |
| L Height with stabilisers raised | - | - | 430 mm (1'5") | 413 mm (1'4") |
| M Ground clearance at axle | 430 mm (1'5") | 430 mm (1'5") | 430 mm (1'5") | 460 mm (1'6") |

* with offset

7.9.11MWR

TECHNICAL DATA



| MACHINE DIMENSIONS | 7MWR | | |
|--|-------------------------|--------------------------|----------------|
| | Mecalac versatile boom* | 2-piece boom with offset | |
| N Ground clearance at gearbox | 310 mm (1') | 310 mm (1') | 350 mm (1'2") |
| O Width of blade | 2180 mm (7'2") | 2310 mm (7'7") | 2500 mm (8'2") |
| O' Width with 365/70 R18 tires | 2025 mm (6'7") | 2155 mm (7'0.8") | - |
| O'' Width with 18-19.5 tires | - | - | 2377 mm (7'9") |
| O''' Width with 500/45 R20 tires | 2120 mm (6'11") | 2250 mm (7'4") | - |
| O'''' Width with 600/40 R22.5 tires | - | - | 2500 mm (8'2") |
| O''''' Width with 8.25-20 twin tires | 1988 mm (6'6") | 2314 mm (7'7") | - |
| O'''''' Width with 9.00-20 twin tires | - | - | 2294 mm (7'6") |

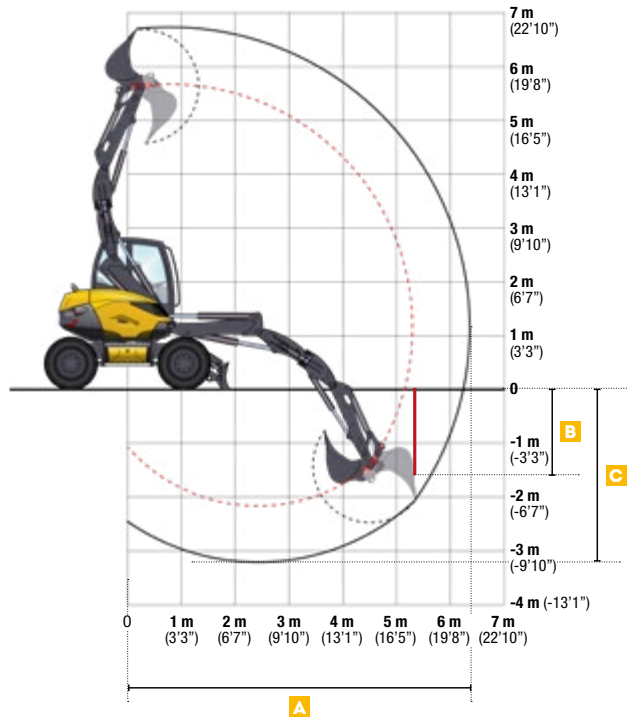
* with offset

| MACHINE DIMENSIONS | 7MWR | | | |
|------------------------------------|-------------------------|--------------------------|-----------------|-----------------|
| | Mecalac versatile boom* | 2-piece boom with offset | 9MWR | 11MWR |
| P Height in folded position | 4410 mm (14'6") | 4496 mm (14'9") | 4630 mm (15'2") | 5090 mm (16'8") |
| Q Tail swing radius | 1296 mm (4'3") | 1296 mm (4'3") | 1350 mm (4'5") | 1445 mm (4'9") |
| R Front radius | 1492 mm (4'11") | 1363 mm (4'6") | 1516 mm (4'12") | 1851 mm (6'1") |

* with offset



7MWR MECALAC VERSATILE BOOM*

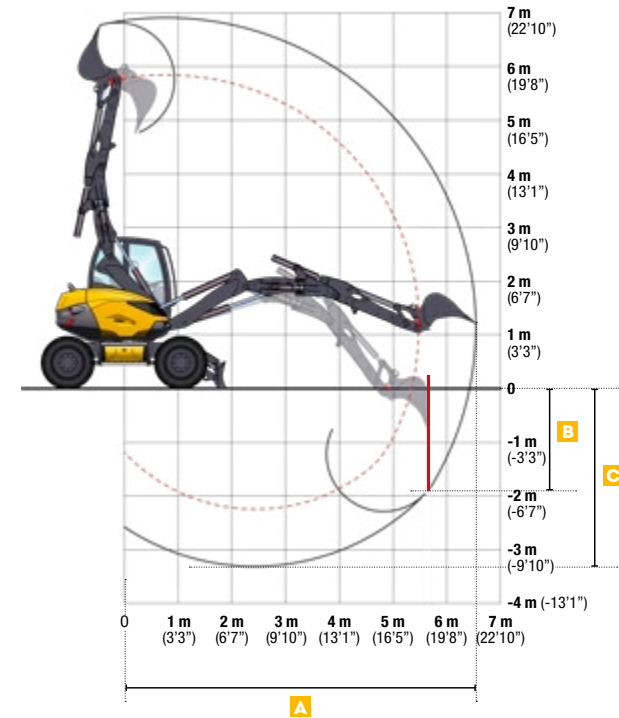


| WORKING RANGES | | 7MWR Mecalac versatile boom* |
|----------------|---|---------------------------------|
| A | Maximum reach | 6220 mm (20'5") |
| B | Vertical digging depth maximum with standard bucket | 1657 mm (5'5") |
| C | Maximum digging depth | 3030 mm (9'11") |

| DIGGING PERFORMANCE | | 7MWR Mecalac versatile boom* |
|--------------------------------------|--|---------------------------------|
| Break-out force (maximum) | | 4050 daN (9,100 lbf) |
| Penetration/Tear-out force (maximum) | | 2400 daN (5,400 lbf) |

* with offset

7MWR TWO-PIECE BOOM WITH OFFSET



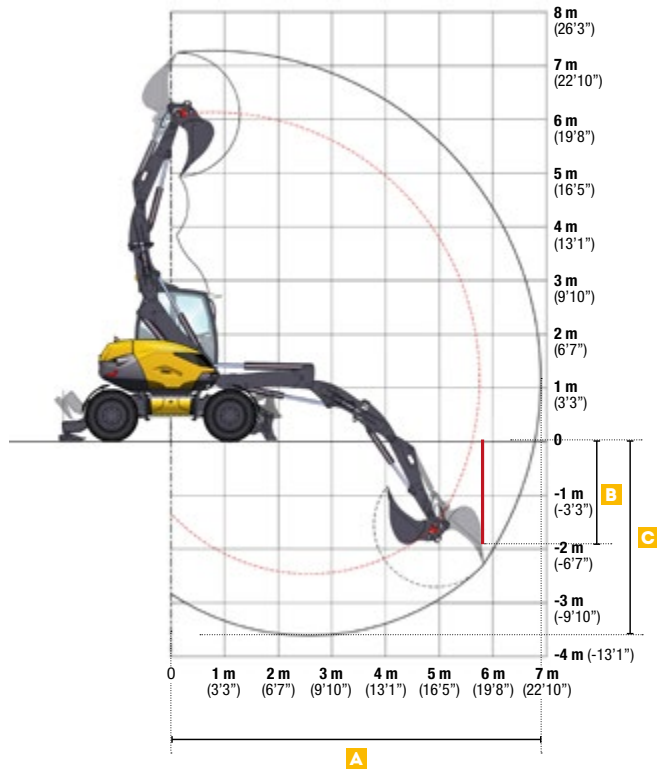
| WORKING RANGES | | 7MWR 2-piece boom with offset |
|----------------|---|----------------------------------|
| A | Maximum reach | 6536 mm (25'5") |
| B | Vertical digging depth, maximum, with standard bucket | 1914 mm (6'3") |
| C | Maximum digging depth | 3318 mm (10'10") |

| DIGGING PERFORMANCE | | 7MWR 2-piece boom with offset |
|--------------------------------------|--|----------------------------------|
| Break-out force (maximum) | | 4050 daN (9,100 lbf) |
| Penetration/Tear-out force (maximum) | | 3100 daN (6,970 lbf) |



7.9-11MWR
DIGGING

9MWR MECALAC VERSATILE BOOM*

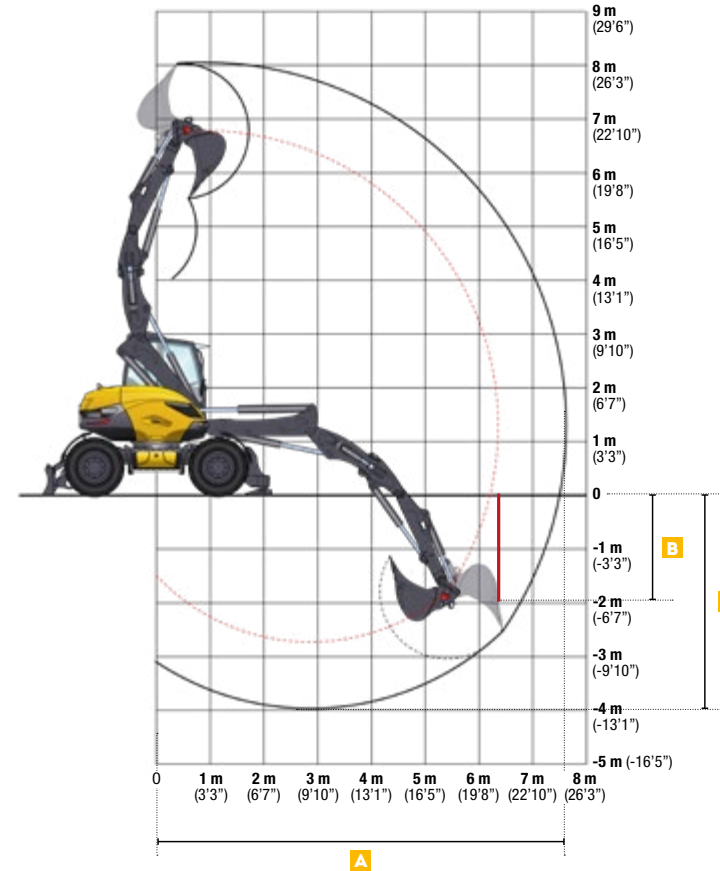


| WORKING RANGES | | 9MWR Mecalac versatile boom* |
|----------------|---|---------------------------------|
| A | Maximum reach | 6700 mm (22') |
| B | Vertical digging depth, maximum, with standard bucket | 1928 mm (6'4") |
| C | Maximum digging depth | 3500 mm (11'6") |

| DIGGING PERFORMANCE | | 9MWR Mecalac versatile boom* |
|--------------------------------------|--|---------------------------------|
| Break-out force (maximum) | | 5100 daN (11,460 lbf) |
| Penetration/Tear-out force (maximum) | | 2700 daN (6,070 lbf) |

* with offset

11MWR MECALAC VERSATILE BOOM*



| WORKING RANGES | | 11MWR Mecalac versatile boom* |
|----------------|---|----------------------------------|
| A | Maximum reach | 7500 mm (24'7") |
| B | Vertical digging depth, maximum, with standard bucket | 1949 mm (6'5") |
| C | Maximum digging depth | 3800 mm (12'6") |

| DIGGING PERFORMANCE | | 11MWR Mecalac versatile boom* |
|--------------------------------------|--|----------------------------------|
| Break-out force (maximum) | | 6500 daN (14,600 lbf) |
| Penetration/Tear-out force (maximum) | | 3300 daN (7,400 lbf) |

* with offset

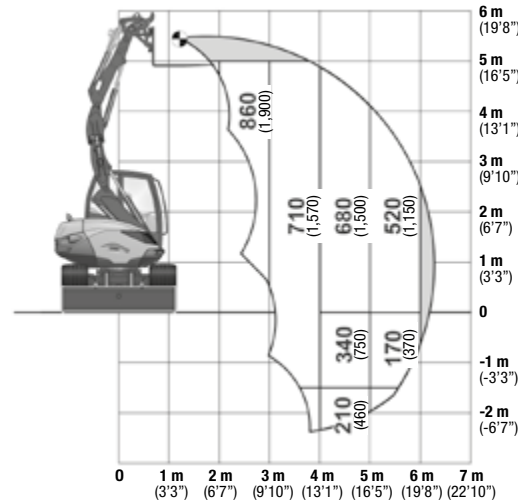
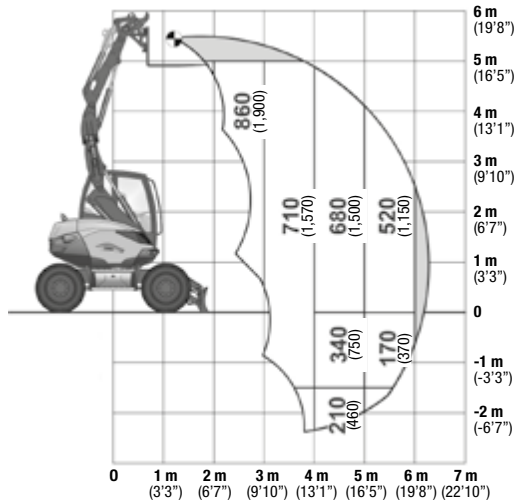


7MWR - HANDLING MECALAC VERSATILE BOOM*



LIFTING CAPACITIES WITH PALLET FORKS

All the weights are given in kg (lb) with CONNECT.



WORKING CONDITIONS

- On wheels, blade on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Oscillation axle blocked
- Equipped with pallet fork
- Equipped with 4 safety valves

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**

* with offset

LIFTING CAPACITIES WITH LOADING HOOK – BLADE ON GROUND

All the weights are given in kg (lb) with CONNECT.

| | 2M (6'7") | | 3M (9'10") | | 4M (13'1") | | 5M (16'5") | |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 5M (16'5") | 3000 (6,600) | 3000 (6,600) | 2560 (5,640) | 2560 (5,640) | - | - | - | - |
| 3M (9'10") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2130 (4,700) | 2130 (4,700) | 1610 (3,550) | 1520 (3,350) |
| 1.5M (4'11") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2270 (5,000) | 2200 (4,850) | 1720 (3,800) | 1480 (3,260) |
| 0M | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2060 (4,540) | 1710 (3,770) | 1300 (2,870) |
| -1M (-3'3") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2260 (4,980) | 1980 (4,370) | 1120 (2470) | 1120 (2470) |
| -2M (-6'7") | 3000 (6,600) | 3000 (6,600) | 2020 (4,450) | 2020 (4,450) | 1190 (2,620) | 1190 (2,620) | - | - |

Working in longitudinal position on blade side

Working over the side or at 360°

LIFTING CAPACITIES WITH LOADING HOOK – BLADE RAISED

All the weights are given in kg (lb) with CONNECT.

| | 2M (6'7") | | 3M (9'10") | | 4M (13'1") | | 5M (16'5") | |
|---------------------|--------------|--------------|----------------|--------------|--------------|----------------|--------------|--------------|
| 5M (16'5") | 3000 (6,600) | 3000 (6,600) | 2560 (5,640) | 2560 (5,640) | - | - | - | - |
| 3M (9'10") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2130 (4,700) | 1700 (3,750) | 1550 (3,420) | 1150 (2,540) |
| 1.5M (4'11") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2250 (4,960) | 1460* (3,220*) | 1530 (3,370) | 980* (2,160) |
| 0M | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2560 (5,640) | 2160 (4,760) | 1450 (3,200) | 1460 (3,220) | 940* (2,070) |
| -1M (-3'3") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2300 (5,070) | 2050 (4,520) | 1480 (3,260) | 1120 (2470) | 1050 (2,310) |
| -2M (-6'7") | 3000 (6,600) | 3000 (6,600) | 2020* (4,450*) | 2020 (4,450) | 1190 (2,620) | 1190 (2,620) | - | - |

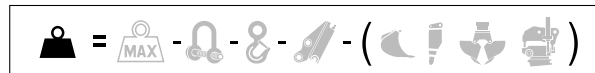
Working in longitudinal position on blade side

Working over the side or at 360°

WORKING CONDITIONS

- On wheels, blade on the ground or raised
- On horizontal, compact ground
- Boom and stick used without offset
- Front and rear frame aligned
- 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 capacities shown with an asterisk (*) are limited by the tipping load that can be lifted. Other values are limited by the hydraulic capabilities or capability of the loading hook. 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.



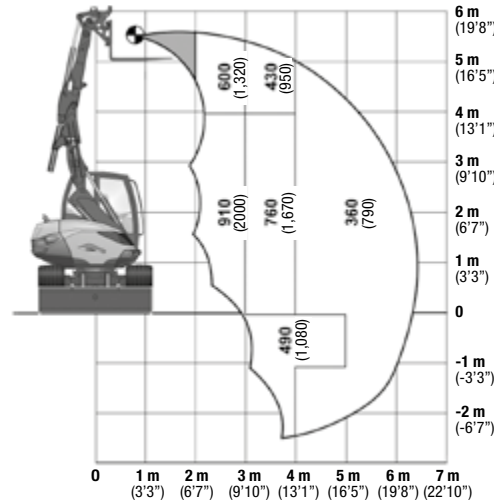
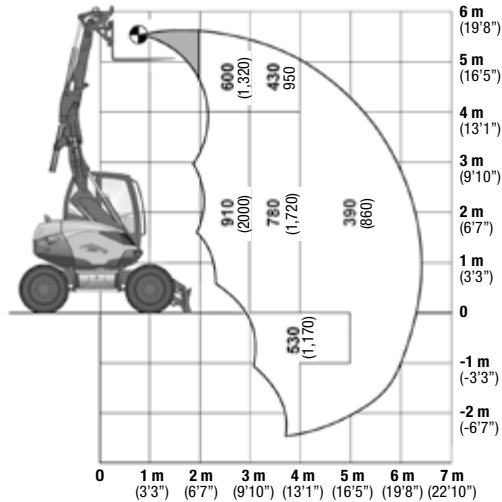
All elements added to the end of the dipperstick must be taken into consideration when measuring the real lifting capacities in kg (lbs), particularly their positions and weights.



7MWR - HANDLING TWO-PIECE BOOM WITH OFFSET

LIFTING CAPACITIES WITH PALLET FORKS

All the weights are given in kg (lb) with CONNECT.



WORKING CONDITIONS

- On wheels, blade on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Oscillation axle blocked
- Equipped with pallet fork
- Equipped with 4 safety valves

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 LOADING HOOK – BLADE ON GROUND

All the weights are given in kg (lb) with CONNECT.

| | 2M (6'7") | | 3M (9'10") | | 4M (13'1") | | 5M (16'5") | |
|--------------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|---------------|
| 5M (16'5") | 2340 (5,159) | 2340 (5,159) | 1640 (3,615) | 1640 (3,615) | - | - | - | - |
| 3M (9'10") | 2090 (4,608) | 2090 (4,608) | 2010 (4,431) | 2000 (4,409) | 1710 (3,770) | 1310* (2,888)* | 1110 (2,447) | 820* (1,808)* |
| 15M (4'11") | 3000 (6,600) | 3000* (6,600)* | 2810 (6,195) | 2090* (4,608)* | 1860 (4,100) | 1280* (2,822)* | 1300 (2,866) | 800* (1,764)* |
| 0M | 3000 (6,600) | 3000* (6,600)* | 2800 (6,173) | 1980* (4,365)* | 1830 (4,034) | 1150* (2,535)* | 1050 (2,315) | 740* (1,631)* |
| -1M (-3'3") | 3000 (6,600) | 3000* (6,600)* | 2620 (5,776) | 1780* (3,924)* | 1440 (3,175) | 1060* (2,337)* | 610 (1,345) | 610 (1,345) |
| -2M (-6'7") | 3000 (6,600) | 3000 (6,600) | 1510 (3,329) | 1510 (3,329) | 670 (1,477) | 670 (1,477) | - | - |



Working in longitudinal position on blade side



Working over the side or at 360°

LIFTING CAPACITIES WITH LOADING HOOK – BLADE RAISED

All the weights are given in kg (lb) with CONNECT.

| | 2M (6'7") | | 3M (9'10") | | 4M (13'1") | | 5M (16'5") | |
|--------------------|--------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|
| 5M (16'5") | 2340 (5,159) | 2340 (5,159) | 1640 (3,615) | 1640 (3,615) | - | - | - | - |
| 3M (9'10") | 2090 (4,608) | 2090 (4,608) | 2010 (4,431) | 2010 (4,431) | 1450 (3,196) | 1230* (2,711)* | 900 (1,984) | 750* (1,653)* |
| 15M (4'11") | 3000 (6,600) | 3000* (6,600)* | 2300* (5,071)* | 1970* (4,343)* | 1410* (3,108)* | 1200* (2,645)* | 890* (1,962)* | 740* (1,631)* |
| 0M | 3000 (6,600) | 3000* (6,600)* | 2230* (4,916)* | 1850* (4,078)* | 1280* (2,822)* | 1070* (2,359)* | 820* (1,808)* | 680* (1,499)* |
| -1M (-3'3") | 3000 (6,600) | 3000* (6,600)* | 2010* (4,431)* | 1640* (3,615)* | 1190* (2,623)* | 980* (2,160)* | 610 (1,345) | 610 (1,345) |
| -2M (-6'7") | 3000 (6,600) | 3000 (6,600) | 1510 (3,329) | 1510 (3,329) | 670 (1,477) | 670 (1,477) | - | - |



Working in longitudinal position on blade side



Working over the side or at 360°



All elements added to the end of the dipperstick must be taken into consideration when measuring the real lifting capacities in kg (lbs), particularly their positions and weights.

WORKING CONDITIONS

- On wheels, blade on the ground or raised
- On horizontal, compact ground
- Boom and stick used without offset
- Front and rear frame aligned
- 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 or capability of the loading hook. 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.

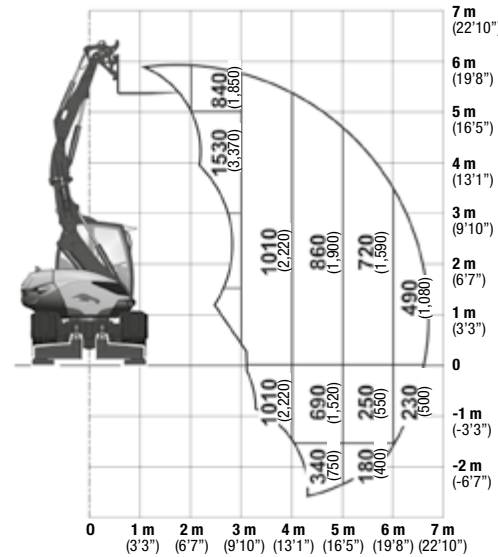
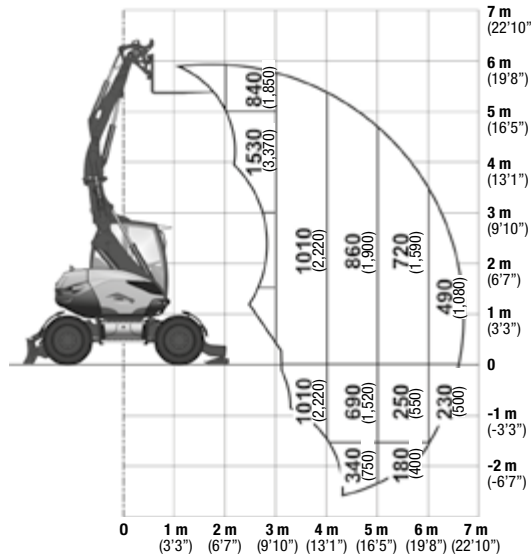


9MWR - HANDLING MECALAC VERSATILE BOOM*



LIFTING CAPACITIES WITH PALLET FORKS

All the weights are given in kg (lb) with CONNECT.



WORKING CONDITIONS

- On wheels, blade and stabilisers on ground or raised
- On horizontal, compact ground
- Boom and stick used without offset
- Oscillation axle blocked
- Equipped with pallet fork
- Equipped with 4 safety valves

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

* with offset

LIFTING CAPACITIES WITH LOADING HOOK - STABILISERS AND BLADE ON GROUND

All the weights are given in kg (lb) with CONNECT.

| | 2M (6'7") | | 3M (9'10") | | 4M (13'1") | | 5M (16'5") | |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 5M (16'5") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2470 (5,450) | 2470 (5,450) | - | - |
| 3M (9'10") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2560 (5,640) | 2560 (5,640) | 2030 (4,480) | 1810 (3,990) |
| 15M (4'11") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2460 (5,420) | 1710 (3,770) |
| 0M | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2340 (5,160) | 2270 (5,000) | 1680 (3,700) |
| -1M (-3'3") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2280 (5,030) | 1780 (3,920) | 1600 (3,530) |
| -2M (-6.7 ft) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 1910 (4,210) | 1910 (4,210) | 900 (1,980) | 900 (1,980) |

Working in longitudinal position on blade side

Working over the side or at 360°

LIFTING CAPACITIES WITH LOADING HOOK - STABILISERS AND BLADE RAISED

All the weights are given in kg (lb) with CONNECT.

| | 2M (6'7") | | 3M (9'10") | | 4M (13'1") | | 5M (16'5") | |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------------|-------------------|
| 5M (16'5") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2470 (5,450) | 1940 (4,280) | - | - |
| 3M (9'10") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2560 (5,640) | 2120 (4,670) | 1900 (4,190) | 1250* (2,760*) |
| 15M (4'11") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 1830* (4,030*) | 1800 (3,970) | 1210* (2,670) |
| 0M | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 1690* (3,730*) | 1730 (3,810) | 1130* (2,490*) |
| -1M (-3'3") | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 2370 (5,490) | 1700 (3,750) | 1710 (3,770) | 1250 (2,760) |
| -2M (-6.7 ft) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 3000 (6,600) | 1910 (4,210) | 1700 (3,750) | 1400 (3,090) | 900 (1,980) |

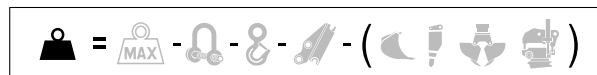
Working in longitudinal position on blade side

Working over the side or at 360°

WORKING CONDITIONS

- On wheels, blade and stabilisers raised
- On horizontal, compact ground
- Boom and stick used without offset
- Front and rear frame aligned
- 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 capacities shown with an asterisk (*) are limited by the tipping load that can be lifted. Other values are limited by the hydraulic capabilities or capability of the loading hook. 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.



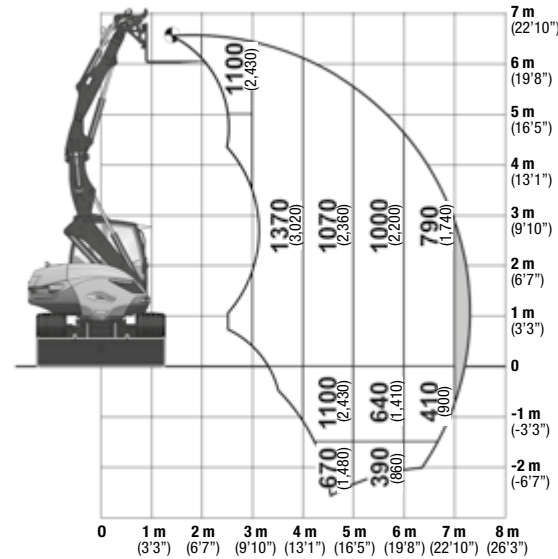
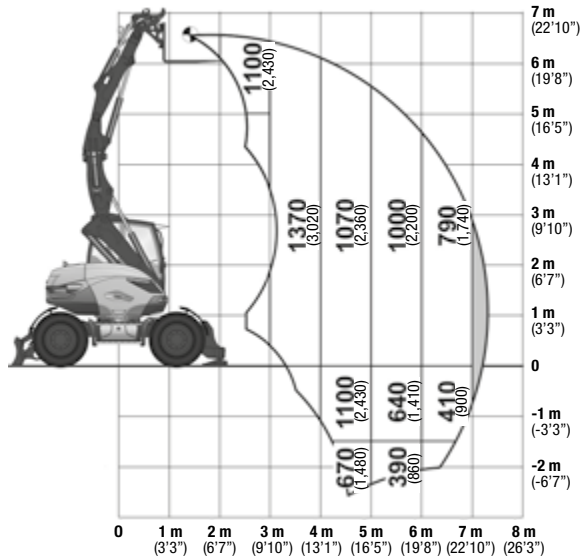
All elements added to the end of the dipperstick must be taken into consideration when measuring the real lifting capacities in kg (lbs), particularly their positions and weights.



11MWR - HANDLING MECALAC VERSATILE BOOM*

LIFTING CAPACITIES WITH PALLET FORKS

All the weights are given in kg (lb) with CONNECT.



WORKING CONDITIONS

- On wheels, blade and stabilisers on the ground
- On horizontal, compact ground
- Boom and stick used without offset
- Oscillation axle blocked
- Equipped with pallet fork
- Equipped with 4 safety valves

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

* with offset

LIFTING CAPACITIES WITH LOADING HOOK - STABILISERS AND BLADE ON GROUND

All the weights are given in kg (lb) with CONNECT.

| | 2M (6'7") | | 3M (9'10") | | 4M (13'1") | | 5M (16'5") | | 6M (19'8") | |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|----------------|
| 5M (16'5") | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 3400 (7,500) | 3400 (7,500) | 2740 (6,040) | 2740 (6,040) | - | - |
| 3M (9'10") | - | - | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 3080 (6,790) | 3080 (6,790) | 2360 (5,200) | 2280 (5,030) |
| 15M (4'11") | - | - | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 2910 (6,420) | 2820 (6,220) | 2170 (4,780) |
| 0M | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 2590 (5,710) | 3100 (6,830) | 1830* (4,030*) |
| -1M (-3'3") | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 2450* (5,400*) | 2640 (5,820) | 1790* (3,950*) |
| -2M (-6.7 ft) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 3140 (6,920) | 2690 (5,930) | - | - |

Working in longitudinal position on blade side

Working over the side or at 360°

LIFTING CAPACITIES WITH LOADING HOOK - STABILISERS AND BLADE RAISED

All the weights are given in kg (lb) with CONNECT.

| | 2M (6'7") | | 3M (9'10") | | 4M (13'1") | | 5M (16'5") | | 6M (19'8") | |
|----------------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 5M (16'5") | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 3400 (7,500) | 2900 (6,390) | 2410 (5,310) | 1660* (3,660) | - | - |
| 3M (9'10") | - | - | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 2830 (6,240) | 2500 (5,510) | 1690* (3,730*) | 1520* (3,350*) | 1160* (2,560*) |
| 15M (4'11") | - | - | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 2790 (6,150) | 2090* (4,600) | 1610* (3,550*) | 1470* (3,240*) | 1110* (2,450*) |
| 0M | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 2990 (6,590) | 2240* (4,940*) | 2100 (4,630) | 1480* (3,260*) | 1600 (3,530) | 1040* (2,290*) |
| -1M (-3'3") | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 3040 (6,700) | 2120 (4,670) | 2150 (4,740) | 1490 (3,280) | 1350* (2,980*) | 1110 (2,450) |
| -2M (-6.7 ft) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 4000 (8,820) | 2590* (5,710*) | 2200 (4,850) | 1790* (3,950*) | 1350 (2,980) | - | - |

Working in longitudinal position on blade side

Working over the side or at 360°

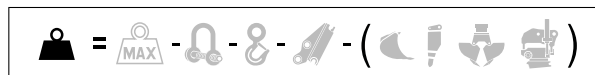
WORKING CONDITIONS

- On wheels, blade and stabilisers on ground or raised
- On horizontal, compact ground
- Boom and stick used without offset
- Front and rear frame aligned
- 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 or capability of the loading hook. 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.



All elements added to the end of the dipperstick must be taken into consideration when measuring the real lifting capacities in kg (lbs), particularly their positions and weights.

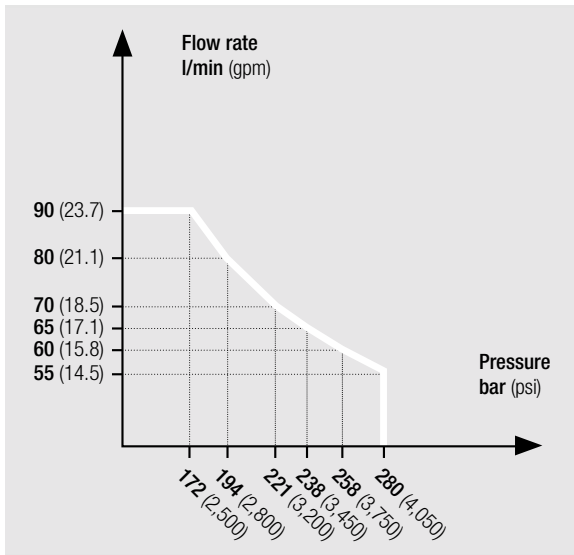


7.9.11MWR HYDRAULIC ATTACHMENTS

NOTE
METRIC MEASUREMENTS ARE THE CRITICAL VALUES
• 1 Litre = 0.26417 US Liquid Gallons
• 1 Litre = 0.21997 Imperial Liquid Gallons

7MWR

FLOW RATE / PRESSURE AUXILIARY 1 (PROPORTIONAL)

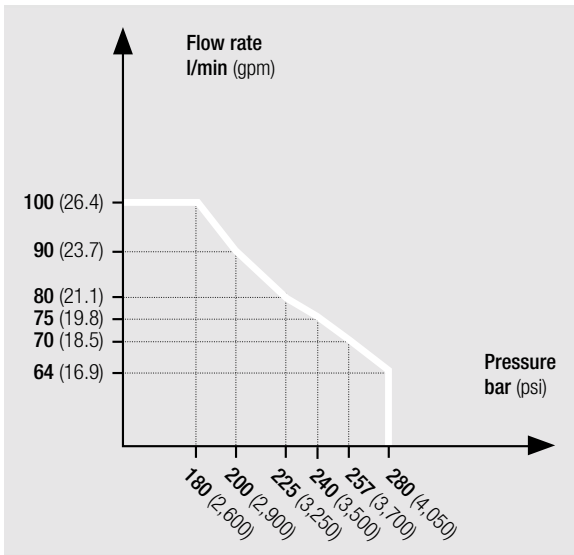


| AUXILIARY LINE 2 | DATA |
|---|------------------------|
| Offset cylinder diverted (clamshell rotation) | |
| Flow rate maximum | 30 l/min (7.9 gpm) |
| Pressure | 280 bar (4,050 psi) |
| Controls | Proportional as option |

| AUXILIARY LINE 3 | DATA |
|---|---------------------|
| Bucket cylinder diverted (clamshell function) | |
| Flow rate maximum | 80 l/min (21.1 gpm) |
| Pressure maximum | 280 bar (4,050 psi) |

9MWR

FLOW RATE / PRESSURE AUXILIARY 1 (PROPORTIONAL)

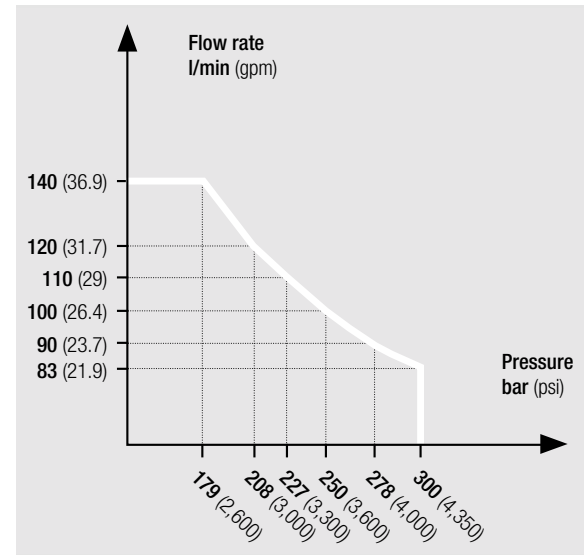


| AUXILIARY LINE 2 | DATA |
|---|------------------------|
| Offset cylinder diverted (clamshell rotation) | |
| Flow rate maximum | 30 l/min (7.9 gpm) |
| Pressure | 280 bar (4,050 psi) |
| Controls | Proportional as option |

| AUXILIARY LINE 3 | DATA |
|---|---------------------|
| Bucket cylinder diverted (clamshell function) | |
| Flow rate maximum | 80 l/min (21.1 gpm) |
| Pressure maximum | 280 bar (4,050 psi) |

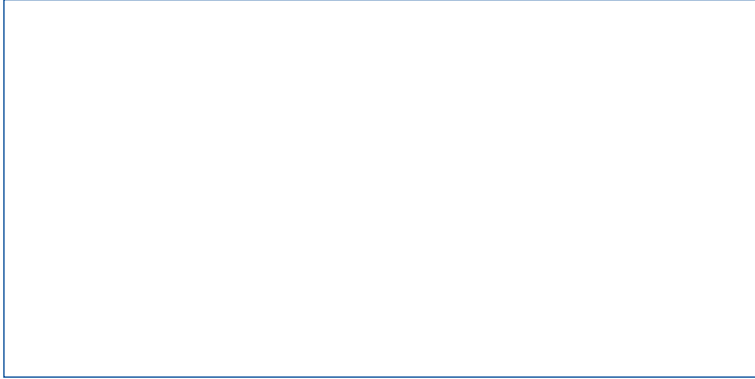
11MWR

FLOW RATE / PRESSURE AUXILIARY 1 (PROPORTIONAL)



| AUXILIARY LINE 2 | DATA |
|---|------------------------|
| Offset cylinder diverted (clamshell rotation) | |
| Flow rate maximum | 30 l/min (7.9 gpm) |
| 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 (31.7 gpm) |
| Pressure maximum | 300 bar (4,350 psi) |



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