



DIGGING BUCKETS

7MWR	WIDTH mm (ft in)	number of teeth	VOLUME I (yd³)	WEIGHT kg (lb)
	350 (1'2")	3	100 (0.13)	121 (266)
	450 (1'6")	3	130 (0.17)	131 (288)
	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 I (yd³)	WEIGHT kg (lb)
	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 I (yd³)	WEIGHT kg (lb)
	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)

DIGGING BUCKET with teeth or no teeth

DIGGING BUCKET with teeth or no teeth

DIGGING BUCKET with teeth or no teeth

NARROW BUCKET

TYPE	WIDTH mm (ft in)	number of teeth	VOLUME I (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 I (yd³)	WEIGHT kg (lb)
SKID BUCKET no teeth	2200 (7'3")	-	540 (0.71)	378 (838)
9MWR	WIDTH mm (ft in)	number of teeth	VOLUME I (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 I (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)	611 (1,374)
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")	2300 (7'6.5")	-	-	65 (143.5)

PALLET FORK

TYPE	Specifications	WEIGHT kg (lb)
PALLET FORK	to be used with 4 safety valves	380 (728)

DITCHING BUCKET AND COUNTER-BLADE

7MWR - 9MWR	Specifications	WIDTH mm (ft in)	VOLUME I (yd³)	WEIGHT kg (lb)
DITCHING BUCKET 1 COUPLING	-	1500 (4'11")	282 (0.34)	260 (573)
BOLTED COUNTER BLADE	borehole center-to-center distance 160 (0.52")	1500 (4'11")	-	-
11MWR	Specifications	WIDTH mm (ft in)	VOLUME I (yd³)	WEIGHT kg (lb)
DITCHING BUCKET 1 COUPLING	-	1800 (5'11")	314 (0.41)	295 (650)
DITCHING BUCKET 3 COUPLINGS	-	1800 (5'11")	314 (0.41)	340 (750)
BOLTED COUNTER BLADE	borehole center-to-center distance 160 mm (0.52")	1800 (5'11")	-	47 (104)

ROTATING TRAPEZOIDAL BUCKET

11MWR	Dimensions mm (ft in)	WEIGHT kg (lb)
ROTATING TRAPEZOIDAL BUCKET	300 X 900 X H 700 (0'12" X 2'11" X 2'4")	190 (418)
ROTATING TRAPEZOIDAL BUCKET	400 X 900 X H 1200 (1'4" X 2'11" X 3'11")	315 (695)

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	Specifications	WEIGHT kg (lb)
RIPPER TOOTH	-	170 (374)

7.9.11MWR

TECHNICAL DATA

	7MWR	9MWR	11MWR
WEIGHT			
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)

	7MWR	9MWR	11MWR
ENGINE			
Turbo charged engine with intercooler, EGR valve and catalytic converter (DOC), complying with regulation	Tier 4 Final Stage IIIB	Tier 4 Final Stage IIIB	Tier 4 Final Stage IIIB
Diesel 4 in-line cylinders	DEUTZ TCD 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	300 Nm at 1600 rpm (221 ft.lbf at 1600 rpm)	300 Nm at 1600 rpm (221 ft.lbf at 1600 rpm)	390 Nm at 1300 rpm (288 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	8 to 9 l/h	7 to 11 l/h
Fuel tank capacity	108 l	140 l	165 l

	7MWR	9MWR	11MWR
ELECTRICAL SYSTEM			
Voltage	12 V	12 V	12 V
Batteries	100 Ah / 720 A	100 Ah / 720 A	100 Ah / 720 A
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

	7MWR	9MWR	11MWR
UNDERCARRIAGE			
Rigid	•	•	•
Outside turning radius	3.52 m (11 ft 7 in)	3.56 m (11 ft 8 in)	3.86 m (12 ft 8 in)
- 4 steered wheels (optional)	6.08 m (19 ft 11 in)	6.10 m (20 ft)	6.41 m (21 ft)
- 2 steered wheels	not available	•	•
Stabilisers controlled independently or in pairs			

	7MWR	9MWR	11MWR
TRANSMISSION			
Closed hydrostatic center with Senso Drive automotive type automatic regulation	•	•	•
Electronically controlled travelling 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))
Max. traction force	3760 daN (8,450 lbf)	4820 daN (10,835 lb)	4820 daN (10,835 lb)
Gradeability	60%	65%	68%
Gearbox with automatic shifting	not available	option	option

7.9 MWR TECHNICAL DATA

AXLES AND WHEELS

4-wheel drive			
Rigid drive axle on the rear			steering as an option
Oscillating drive axle on the front to +/- 7° ; oscillation block involves 2 hydraulic cylinders			steering

BRAKES

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

HYDRAULIC SYSTEM

	7MWR	9MWR	11MWR
Hydraulic oil tank	56 l	61 l	77 l
Hydraulic circuit capacity	115 l	115 l	115 l
ATTACHMENT AND ROTATION CIRCUIT			
Variable displacement pump	45 cm ³ (2.7 in ³)	63 cm ³ (3.8 in ³)	75 cm ³ (4.6 in ³)

ACTIVE CONTROL power control

'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
- Maximum working pressure

TRANSMISSION CIRCUIT

	7MWR	9MWR	11MWR
Pump	100 l/min 280 bar (4,060 psi)	145 l/min 280 bar (4,060 psi)	165 l/min 300 bar (4,350 psi)
Max. pressure	125 l/min 440 bar (6,382 psi)	125 l/min 440 bar (6,382 psi)	125 l/min 440 bar (6,382 psi)

TURRET

Full rotation 360°
Steering by slow hydraulic motor with automatic braking assured by discs equipped with anti-bounce pressure relief valve
Driven by internal crown slewing wheel

Rotation speed

	7MWR	9MWR	11MWR
Rotation speed	10 rpm	10 rpm	10 rpm
Rotation torque	1320 daNm (9,800 ft.lbf)	1690 daNm (12,400 ft.lbf)	2125 daNm (15,700 ft.lbf)

CAB

Extremely comfortable panoramic cab
Monocoque cab fastened to 4 spring posts
Front windshield partially or fully removable
Seat can be set and adjusted to operator height and weight
Water heating system compliant with ISO 10263
Independent settings for control lever support consoles
Controls assisted by ergonomic, proportional control levers
Dial display of fuel level and coolant temperature
Control panel including colour screen
Proportional hydraulic control of the attachment integrated on right-hand joystick
Front working light

ATTACHMENT

Mecabac variable range kinematics consisting of 4 parts: boom, adjustable boom, offset boom and dipperstick
33° right and left offset by hydraulic cylinder.
System enabling all penetration force to be conserved regardless of the angular position of the offset boom

Left offset

	7MWR	9MWR	11MWR
Right 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 end of travel shock absorber

CONNECT quick coupler

- Take up with automatic, mechanical locking
- Detection of incorrect locking
- Hydraulically-controlled unlocking

OPERATING MODES

WORKING MODE

- Enables the machine to be operated like an excavator:
- 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 (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

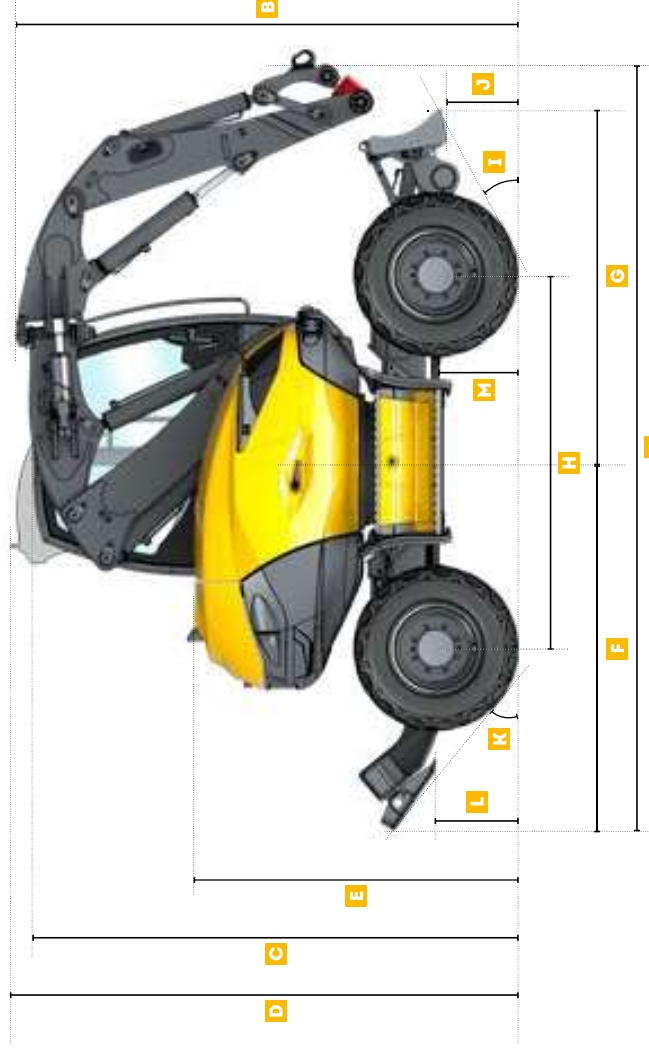
PARKING MODE

- 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
- Turn on road headlights

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

7.9.11MWR TECHNICAL DATA



MACHINE DIMENSIONS	7MWR	9MWR	11MWR
A Overall length with attachment (without stabilisers for the 7MWR)	3730 mm (12'3")	4418 mm (14'6")	4836 mm (15'1")
B Overall height of structures	2816 mm (9'3")	2945 mm (9'8")	3256 mm (10'8")
C Cab height (without attachment)	2816 mm (9'3")	2829 mm (9'3")	2944 mm (9'8")
D Cab height (without attachment, with AC option)	2944 mm (9'8")	2957 mm (9'8")	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	429 mm (1'5")	429 mm (1'5")	545 mm (1'9")
K Stabilisers crossing angle	-	39°	36°
L Height with stabilisers raised	430 mm (1'5")	430 mm (1'5")	413 mm (1'4")
M Ground clearance at axle	430 mm (1'5")	430 mm (1'5")	460 mm (1'6")

7.9.11MWR TECHNICAL DATA



MACHINE DIMENSIONS	7MWR	9MWR	11MWR
P Height in folded position	4410 mm (14'6")	4630 mm (15'2")	5090 mm (16'8")
Q Tail swing radius	1296 mm (4'3")	1350 mm (4'5")	1445 mm (4'9")
R Front radius	1492 mm (4'11")	1516 mm (4'12")	1851 mm (6'1")



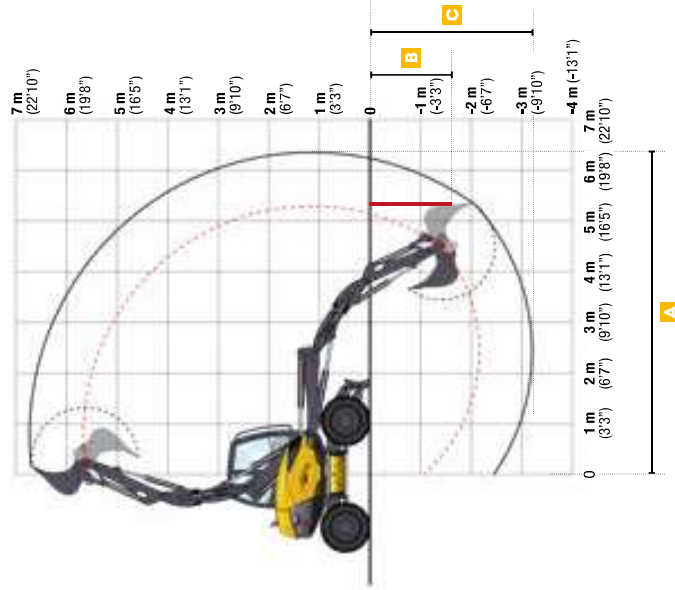
MACHINE DIMENSIONS	7MWR	9MWR	11MWR
N Ground clearance at gearbox	310 mm (1')	310 mm (1')	350 mm (1'2")
O Width of blade	2180 mm (7'2")	2310 mm (7'7")	2500 mm (8'2")



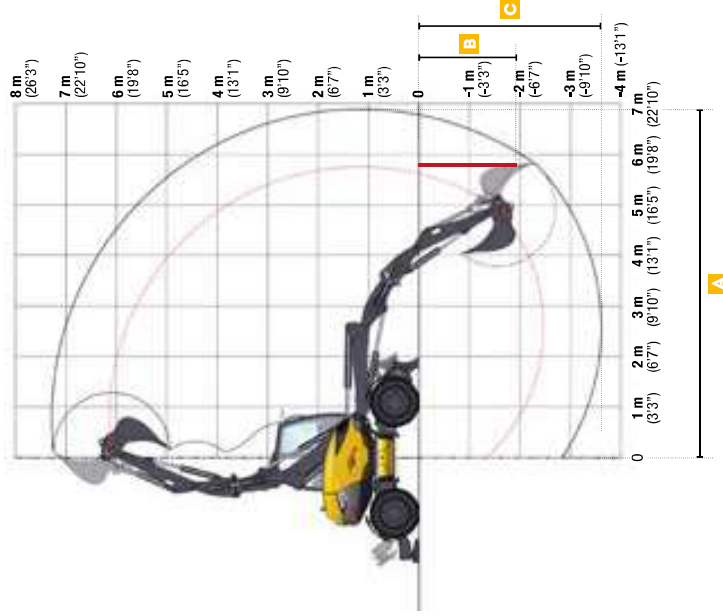
7.9.11MWR DIGGING



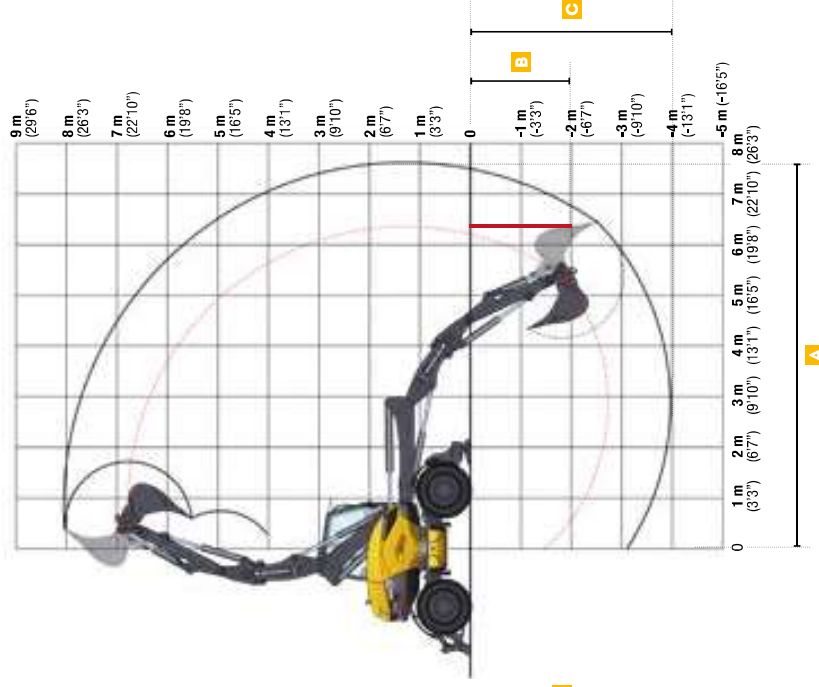
7MWR



9MWR



11MWR



MACHINE DIMENSIONS

	7MWR	9MWR	11MWR
A Maximum reach	6220 mm (20'5")	6700 mm (22')	7500 mm (24'7")
B Vertical digging depth maximum with standard bucket	1657 mm (5'5")	1928 mm (6'4")	1949 mm (6'5")
C Maximum digging depth	3030 mm (9'11")	3500 mm (11'6")	3800 mm (12'6")

DIGGING PERFORMANCE

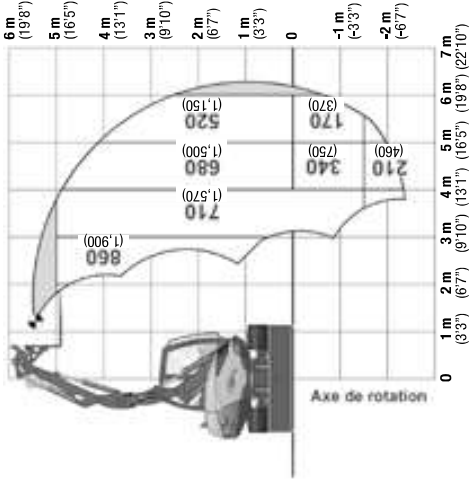
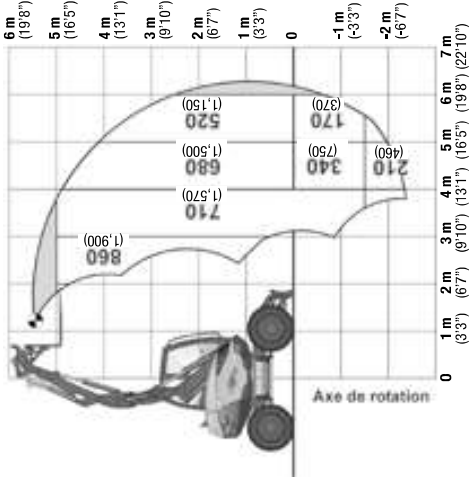
	7MWR	9MWR	11MWR
Break-out force (max.)	4300 daN (9,666 lbf)	5000 daN (11,240 lbf)	6000 daN (13,500 lbf)
Penetration/Tear-out force (max.)	2500 daN (5,620 lbf)	2800 daN (6,300 lbf)	3400 daN (7,650 lbf)



7MWR - HANDLING

LIFTING CAPACITY WITH PALLET FORKS

All the weights are given in kg (lb). The calculations are carried out for the entire range of the Mecacalc quick coupler.



WORKING CONDITIONS

- On wheels with blade on ground
- On horizontal, compact ground
- Equipment used without offset
- Oscillation axle blocked
- Equipped with pallet fork
- Machine equipped with 4 safety valves

ACCORDING TO ISO 10567

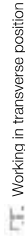
- Maximal 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for the most unfavorable position of boom and cylinders

LIFTING CAPACITY WITH LOADING HOOK – BLADE ON GROUND

All the weights are given in kg (lb). The calculations are carried out for the entire range of the Mecacalc quick coupler.

Height (m)	Height (ft)	Weight (kg)	Weight (lb)
0	0	3000	6600
1	3.3	2560	5640
2	6.7	2130	4700
3	9.1	1770	3900
4	13.1	1480	3260
5	16.5	1220	2700
6	19.8	980	2160

Working in longitudinal position on blade side



Working in transverse position

LIFTING CAPACITY WITH LOADING HOOK – BLADE RAISED

All the weights are given in kg (lb). The calculations are carried out for the entire range of the Mecacalc quick coupler.

Height (m)	Height (ft)	Weight (kg)	Weight (lb)
0	0	3000	6600
1	3.3	2560	5640
2	6.7	2130	4700
3	9.1	1770	3900
4	13.1	1480	3260
5	16.5	1220	2700
6	19.8	980	2160

Working in longitudinal position on blade side



Working in transverse position

WORKING CONDITIONS

- On wheels with stabilisers on ground or raised
- On horizontal, compact ground
- Equipment used without offset
- Front and rear frame aligned
- Without tools (bucket, shovel, ...) with handling plate and loading hook of 3 T
- Maximal 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for optimal position of boom and cylinders

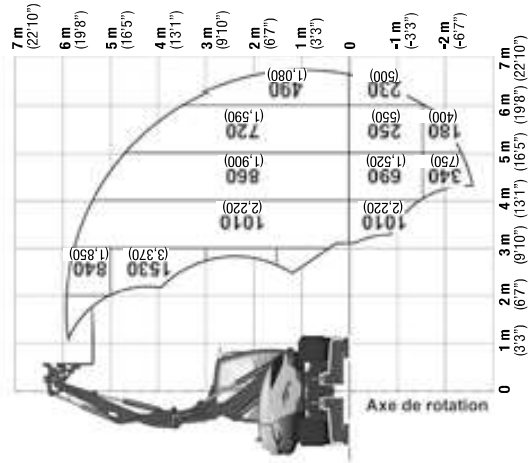
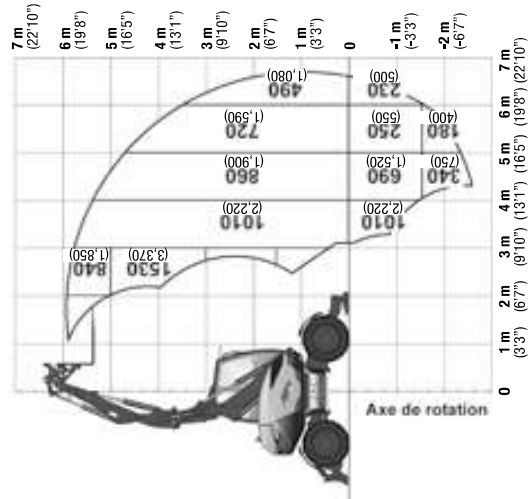
The lifting capabilities shown with an asterisk (*) are limited by the tipping load by the hydraulic capabilities or capabilities of the loading hook. The weight of the chain sling, bucket and other auxiliary lifting devices must be deducted from the nominal load to determine the load which can be lifted.



9MWR - HANDLING

LIFTING CAPACITY WITH PALLET FORKS

All the weights are carried out for the entire range of the Mecalcac quick coupler.



WORKING CONDITIONS

- On wheels with blade on ground
- On horizontal, compact ground
- Equipment used without offset
- Oscillation axle blocked
- Equipped with pallet fork
- Machine 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 CAPACITY WITH LOADING HOOK - STABILISERS AND BLADE ON GROUND

All the weights are given in kg (lb). The calculations are carried out for the entire range of the Mecalcac quick coupler.

Stabiliser	2M (6'7")	3M (9'10")	4M (13'1")	5M (16'5")
5M (16'5")	3000 (6.600)	3000 (6.600)	2470 (5.450)	1940 (4.280)
3M (9'10")	3000 (6.600)	3000 (6.600)	2560 (5.640)	2030 (4.480)
1.5M (4'11")	3000 (6.600)	3000 (6.600)	3000 (6.600)	2460 (5.420)
0M	3000 (6.600)	3000 (6.600)	3000 (6.600)	2270 (5.000)
-1M (-3'3")	3000 (6.600)	3000 (6.600)	2280 (5.030)	1780 (3.920)
-2M (-6'7")	3000 (6.600)	3000 (6.600)	1910 (4.210)	900 (1.980)

Working in longitudinal position on blade side

Working in transverse position

LIFTING CAPACITY WITH LOADING HOOK - STABILISERS AND BLADE RAISED

All the weights are given in kg (lb). The calculations are carried out for the entire range of the Mecalcac quick coupler.

Stabiliser	2M (6'7")	3M (9'10")	4M (13'1")	5M (16'5")
5M (16'5")	3000 (6.600)	3000 (6.600)	2470 (5.450)	1940 (4.280)
3M (9'10")	3000 (6.600)	3000 (6.600)	2560 (5.640)	2120 (4.670)
1.5M (4'11")	3000 (6.600)	3000 (6.600)	3000 (6.600)	1830* (4.030*)
0M	3000 (6.600)	3000 (6.600)	3000 (6.600)	1690* (3.730*)
-1M (-3'3")	3000 (6.600)	3000 (6.600)	2370 (5.240)	1710 (3.750)
-2M (-6'7")	3000 (6.600)	3000 (6.600)	1910 (4.210)	900 (1.980)

Working in longitudinal position on blade side

Working in transverse position

WORKING CONDITIONS

- On wheels with stabilisers on ground or raised
- On horizontal, compact ground
- Equipment used without offset
- Front and rear frame aligned
- Without tools (bucket, shovel, ...)
- With handling plate and loading hook of 3 T
- Maximal 75% of the tipping load or 87% of the hydraulic capacity
- Maximum values determined for optimal position of boom and cylinders

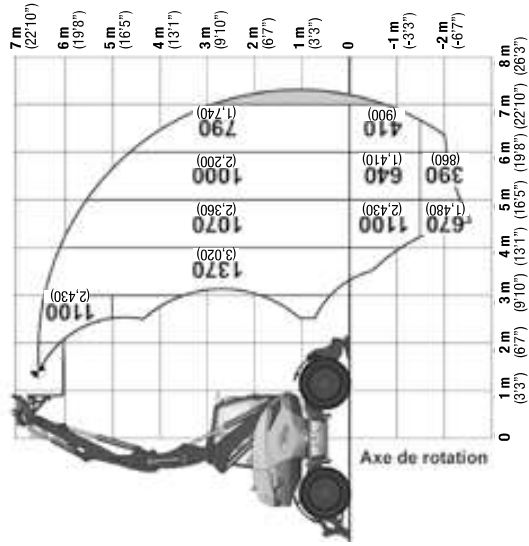
The lifting capabilities shown with an asterisk (*) are limited by the tipping load by the hydraulic capabilities. The weight of the chain sling, bucket and other auxiliary lifting devices must be deducted from the nominal load to determine the load which can be lifted.



11MWR - HANDLING

LIFTING CAPACITY WITH PALLET FORKS

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



WORKING CONDITIONS

- On wheels with blade on ground
- On horizontal compact ground
- Equipment used without offset
- Oscillation axle blocked
- Equipped with pallet fork
- Machine 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

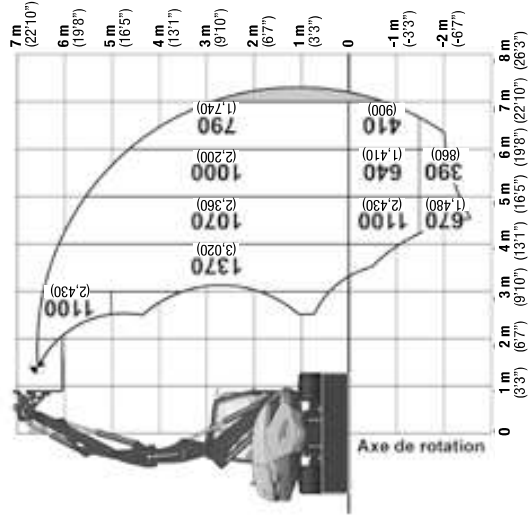
LIFTING CAPACITY WITH LOADING HOOK - STABILISERS AND BLADE ON GROUND

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

	2M (6'7")	3M (9'10")	4M (13'1")	5M (16'5")	6M (19'8")
5M (16'5")	4000 (8,820)	4000 (8,820)	3400 (7,500)	2740 (6,040)	2740 (6,040)
3M (9'10")	4000 (8,820)	4000 (8,820)	4000 (8,820)	3080 (6,790)	2360 (5,200)
1.5M (4'11")	4000 (8,820)	4000 (8,820)	4000 (8,820)	2910 (6,420)	2170 (4,780)
0M	4000 (8,820)	4000 (8,820)	4000 (8,820)	2590 (5,710)	1830* (4,030*)
-1M (-3'3")	4000 (8,820)	4000 (8,820)	4000 (8,820)	2450* (5,400*)	1790* (3,950*)
-2M (-6'7")	4000 (8,820)	4000 (8,820)	4000 (8,820)	3140 (6,920)	2690 (5,930)

Working in longitudinal position on blade side

Working in transverse position



LIFTING CAPACITY WITH LOADING HOOK - STABILISERS AND BLADE RAISED

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

	2M (6'7")	3M (9'10")	4M (13'1")	5M (16'5")	6M (19'8")
5M (16'5")	4000 (8,820)	4000 (8,820)	3400 (7,500)	2410 (5,310)	1660* (3,660)
3M (9'10")	4000 (8,820)	4000 (8,820)	4000 (8,820)	2830 (6,240)	1690* (3,730)
1.5M (4'11")	4000 (8,820)	4000 (8,820)	4000 (8,820)	2090* (4,600)	1470* (3,240)
0M	4000 (8,820)	4000 (8,820)	4000 (8,820)	2240* (4,940)	1480* (3,260)
-1M (-3'3")	4000 (8,820)	4000 (8,820)	4000 (8,820)	2120 (4,670)	1490* (3,280)
-2M (-6'7")	4000 (8,820)	4000 (8,820)	4000 (8,820)	2590* (5,710)	1790* (3,950)

Working in transverse position

WORKING CONDITIONS

- On wheels with stabilisers on ground or raised
- On horizontal compact ground
- Equipment used without offset
- Front and rear frame aligned
- Without tools (bucket, shovel, ...)
- With handling plate and loading hook of 4 T
- 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.



7.9.11 MWR HYDRAULIC ATTACHMENTS

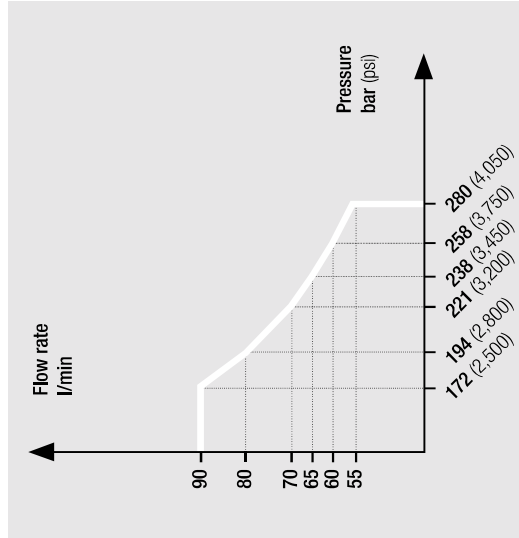
NOTE

METRIC MEASUREMENTS ARE THE CRITICAL VALUES
DIMENSIONS ARE TAKEN FROM T1152021

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

7MWR

FLOW RATE / PRESSURE AUXILIARY 1 (PROPORTIONAL)

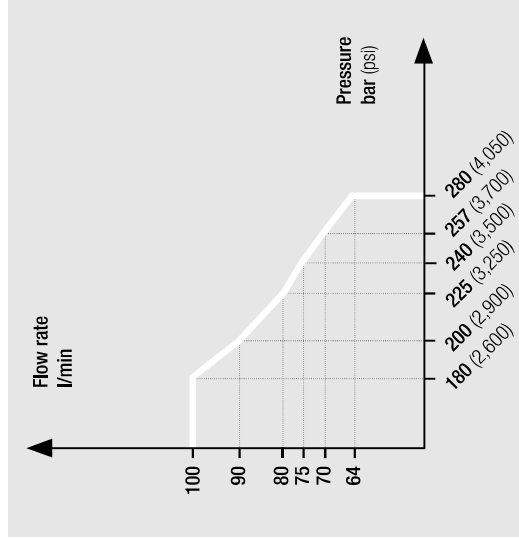


AUXILIARY LINE 2	DATA
Offset cylinder diverted (clamshell rotation)	
Flow rate maximum	30 l/min
Pressure	280 bar (4,050 psi)
Controls	Proportional as option

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

9MWR

FLOW RATE / PRESSURE AUXILIARY 1 (PROPORTIONAL)

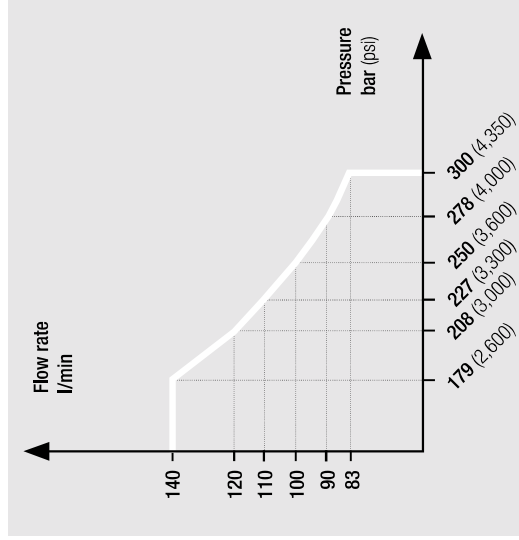


AUXILIARY LINE 2	DATA
Offset cylinder diverted (clamshell rotation)	
Flow rate maximum	30 l/min
Pressure	280 bar (4,050 psi)
Controls	Proportional as option

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

11MWR

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)