



REMOTE CONTROL

 **MAKBRENT**  
tracking the future



**MAK 40**

REMOTE-CONTROLLED  
MULTIFUNCTION MINI SKID



# MAK 40

## REMOTE-CONTROLLED MULTIFUNCTION MINI SKID



CONSTRUCTION



AGRICULTURE



PARKS

OPTICAL FIBER

TELECOMMUNICATIONS

BUILDINGS

AGRICULTURE

WATER NETWORKS

ELECTRICAL GRIDS

Designed to ensure speed and precision across a wide range of applications, the **MAK 40** is the ideal mini skid for any job site, be it in construction, agriculture, or forestry. Its outstanding power and maneuverability allow for the excavation of micro and mini trenches **with maximum safety and operator comfort.**



### ✓ WIDE RANGE OF ATTACHMENTS

The **MAK 40** is characterised by an ISO compliant attachment-holder frame with manual control and hydraulic predisposition. Standard set-up allows for the use of a wide range of equipment with the utmost safety and maximum engagement stability, making it possible to carry out several working site operations including backfilling, minor demolitions, waste loading, debris removal, trench digging, levelling and cleaning.

#### >> BUCKET



#### >> WHEEL SAW



#### >> CHAIN TRENCHER





### ✓ REMOTE CONTROL

MAK 40 works with a remote control, avoiding the presence of an operator on board hence making it possible to monitor its work more closely.

### ✓ HIGH PERFORMANCE

The MAK 40 is the most powerful multifunction skid in the segment, thanks to the powerful 38 HP Kohler engine.

### ✓ EXCEPTIONAL COMPACTNESS

The low weight of 1670 kg (3682 lbs) allows MAK 40 to be transported by normal work vehicles, without the need for the use of expensive exceptional trucks.



### >> FLAIL MULCHER



### >> FORKS



### >> MIXING BUCKET



# Technology

## 01 COMPLETE IMPLEMENTS CONTROL

The additional wiring kit makes it possible to fully manage all the functions of equipment equipped with electrohydraulic distributors (as, for example, for the mixer bucket), so that the full potential of MAK 40 can be exploited.



## 02 LOCALISATION GPS SYSTEM

The satellite tracking system allows to remotely control the machine location.

\*available as an option



## 03 INTELLIGENCE GUIDE FOLLOWING TRACK

The IGFT technology - Intelligence Guide Following Track - allows the machine to independently follow a path and adapt the digging speed to the effort required to move forward, improving productivity and efficiency. This way, even inexperienced operators can obtain the best digging results and performance.

\*available as an option

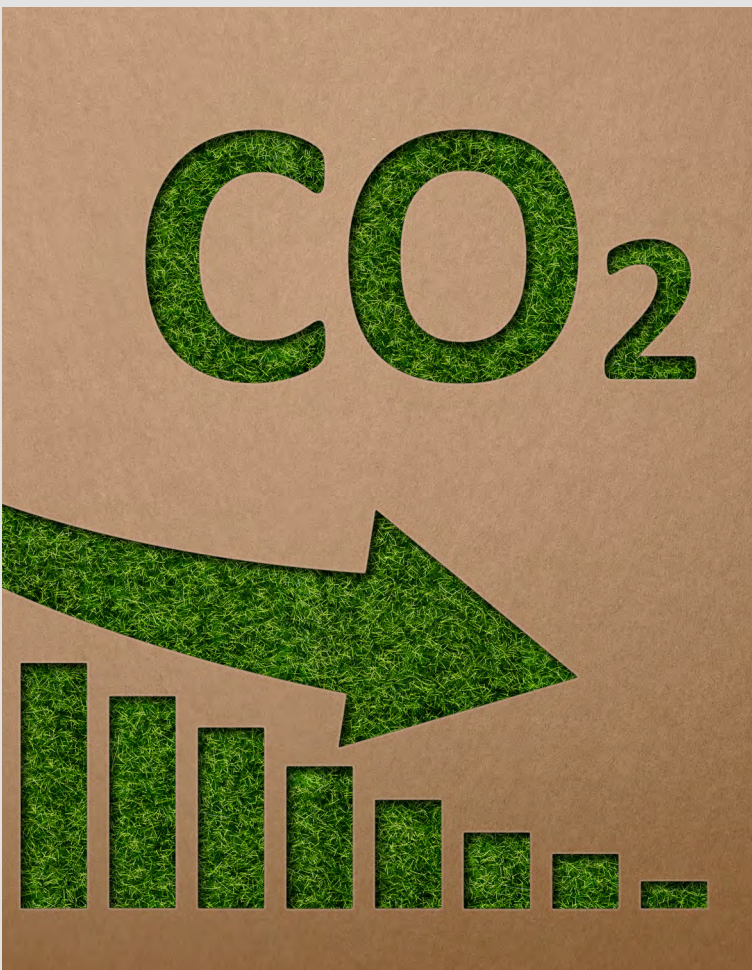


## 04 LOW EMISSIONS ENGINE SYSTEM

All MakBrent machines come equipped with selected engines according to the most stringent criteria of:

- reliability
- cost effectiveness
- level of emissions

All machine systems, from the hydraulic devices to the controls, are designed and manufactured to **reduce environmental impact** to a minimum and lower fuel costs.





# **ADVANTAGES VS TRADITIONAL MACHINERY**

## **BUSINESS**

- Higher **earnings**
- Lower **work duration**
- Lower **management costs**
- Lower **maintenance**
- Lower **stress for traffic blocks**, delays and fees to be paid

## **WORKING SITE**

- Higher **digging precision**
- Higher **speed**
- Higher **efficiency**
- Lower **road obstruction**
- Lower **labour**

## **ENVIRONMENT**

- Lower **environmental impact**
- Lower **waste material** to dispose of
- Lower **fuel use**

## **PEOPLE**

- Higher **comfort for the operator**
- Higher **security**
- Easier** to use



## ENGINE

Engine	Kohler
Model	ECH980
Emission regulation	EU Stage V
Displacement [cm <sup>3</sup> /cu inch]	999 / 61
N° cylinders	2
Max. Power [kW / HP]	28.3 / 38 @ 3600 rpm
Max. net torque [N m]	78.6 @ 3400 rpm
Aspiration	Air
Cooling	Air
Starter	Electric
Disposition	V-Twin
Voltage [V]	12
Oil tank capacity [l/gal]	1,9 / 0,50
Fuel	Gasoline

## WORKING PERFORMANCE

Operating weight -with bucket- [kg/lbs]	1450 / 3417
Operating weight -with wheel saw- [kg/lbs]	1670 / 3682
Tipping load at max. reach [kg/lbs]	1100 / 2645
ROC (SAE 35% tipping load) [kg/lbs]	380 / 926
ROC (50% tipping load) [kg/lbs]	550 / 1322
Bucket breakout force [kg/lbs]	1000 / 2205
Arm breakout force [kg/lbs]	980 / 2160

## TRACK AND TRAVEL PERFORMANCE

Double travel speed [km/h/mph]	Low: 2.2 / 1.4 - High: 6.0 / 3.7
Drowbar pull [kg/lbs]	1370 / 3020
Ground pressure: narrow track 180 mm / 7" [kPa/psi]	39 / 10,2
Ground pressure: standard track 230 mm / 9" [kPa/psi]	28 / 7,4
Ground pressure: wide track 250 mm / 10" [kPa/psi]	21 / 5,5
High frame ground clearance [mm/inch]	250 / 9,8

## HYDRAULIC SYSTEM

Flow max. to the attachment [l/min/gpm]	48 / 12,6
Pressure [bar/psi]	185 / 2683,2
Hydraulic tank capacity [l/gal]	30 / 8
Theoretical Hydr. Power [kW/HP]	15,5 / 21

Auxiliary lines with hydraulic quick couplings "flat face", two main lines size ½" connectable even with residual pressures, grouped on a robust cast iron monoblock which includes additional third drain line.

## OPTIONAL

Semi-automatic guidance system with track tracing and auto-adaptation of digging speed according to ground hardness

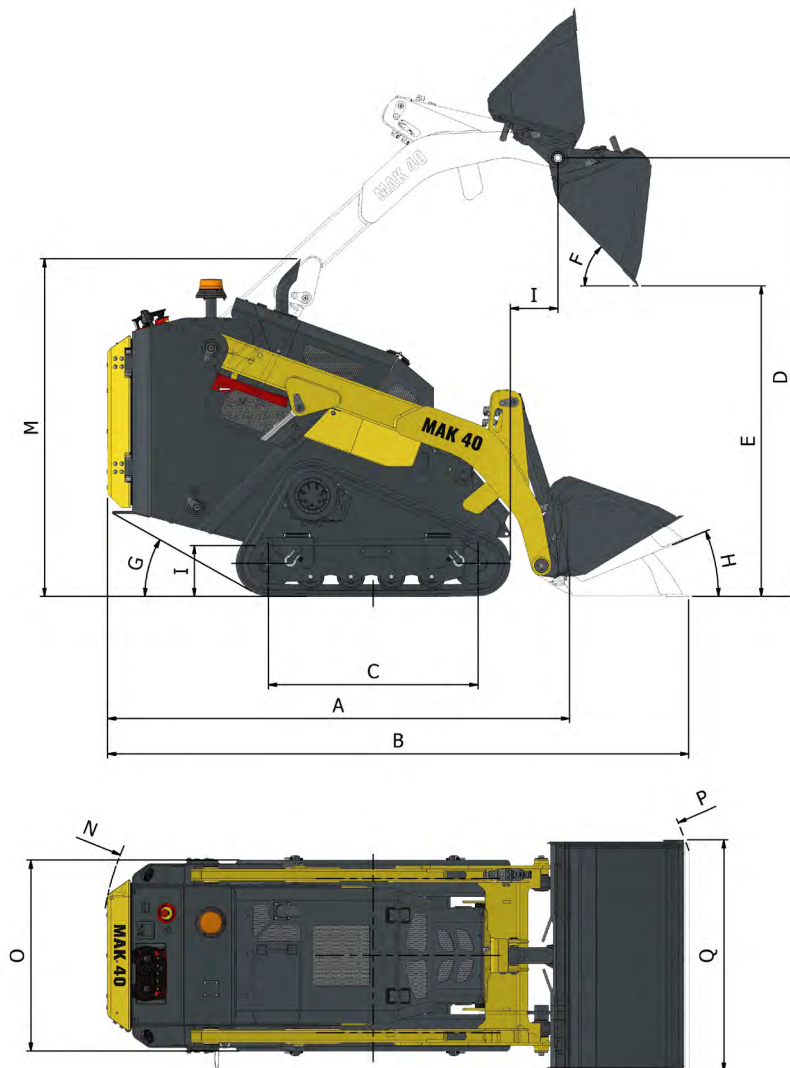
Additional wiring kit for controlling electro-hydraulic distributors of equipment

GPS localisation system (one year subscription included)

# Dimensions

## DIMENSIONS WITH BUCKET BK100

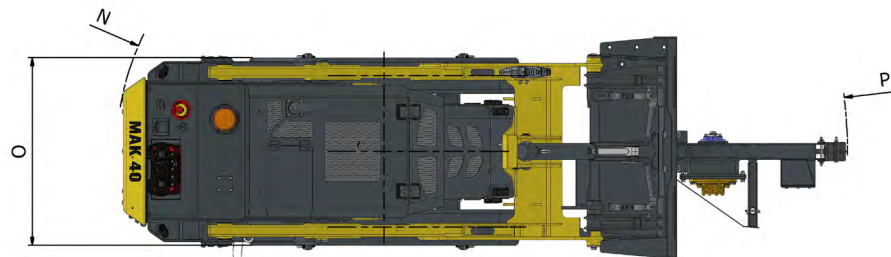
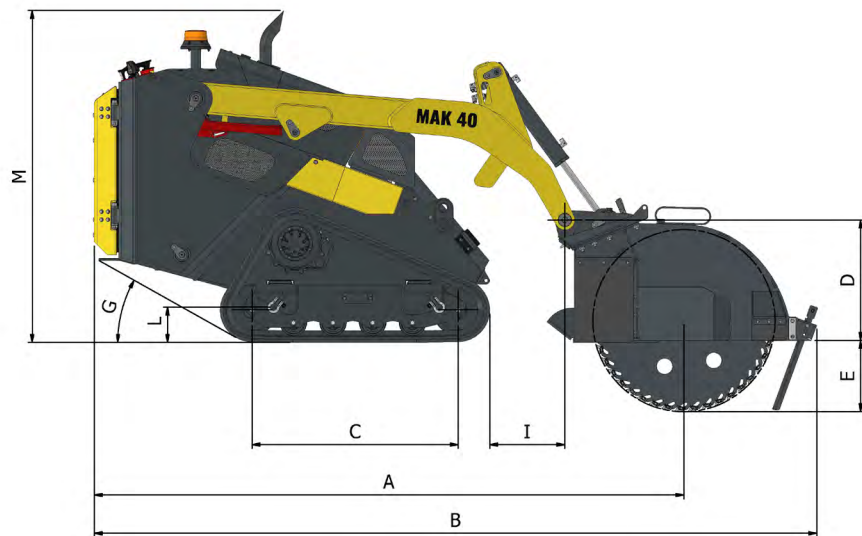
A	Total length -without bucket- [mm/inch]	1855 / 90
B	Total length -with bucket on ground- [mm/inch]	2285 / 73
C	Length of track on ground -wheelbase- [mm/inch]	1080 / 42,5
D	Bucket pin height -at max.height [mm/inch]	2174 / 85,5
E	Bucket clearance -at max.lift and total dump- [mm/inch]	1650 / 65
F	Bucket dump angle -at max.height- [°]	35
G	Departure angle -at back side- [°]	33
H	Departure angle -at front side- [°]	22
I	Bucket pin reach -at max. lift- [mm/inch]	196 / 7,7
L	Frame ground clearance [mm/inch]	250 / 9,8
M	Max. machine height -all included- [mm/inch]	1585 / 62,5
N	Turning radius machine rear -from center track- [mm/inch]	1365 / 53,7
O	Vehicle width -with 180 mm/7,09 inch- [mm/inch]	947 / 37,2
P	Turning radius machine front [mm/inch]	2245 / 88,5
Q	Bucket width standard [mm/inch]	1020 / 40
	Bucket width large [mm/inch]	1145 / 45





**DIMENSIONS WITH WHEEL SAW MAKBRENT MWS35**

A	Central tool machine length [mm/inch]	3020 / 119
B	Total length -on total depth- [mm/inch]	3582 / 141
C	Length of track on ground -wheelbase- [mm/inch]	1080 / 42,5
D	Bucket pin height -at max.excavation depth- [mm/inch]	505 / 20
E	Max excavation depth [mm/inch]	300 / 11,9
I	Bucket pin reach -at max.excavation depth- [mm/inch]	297 / 11,7
G	Departure angle -at back side- [°]	33
L	Frame ground clearance [mm/inch]	250 / 9,8
M	Max.machine height -all included- [mm/inch]	1585 / 62,5
N	Turning radius machine rear -from center track- [mm/inch]	1365 / 53,7
O	Vehicle width -with 230 mm/9,06 inch tracks- [mm/inch]	947 / 37,2
P	Turning radius machine front -tool lift, 130 mm/5 inch over ground- [mm/inch]	2245 / 93









## TRACKING THE FUTURE

We have been in pole position since 1963 but now it is our experience and enthusiasm that lead us. MakBrent is a story of all-Italian professionalism, but with an international purpose. It is the entrepreneurial choice of a young, solid and continuously growing Group. A team made up of people who always stand by their customers to contribute together towards a future of innovation and the achievement of many more exciting goals.

[www.makbrent.com](http://www.makbrent.com)

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