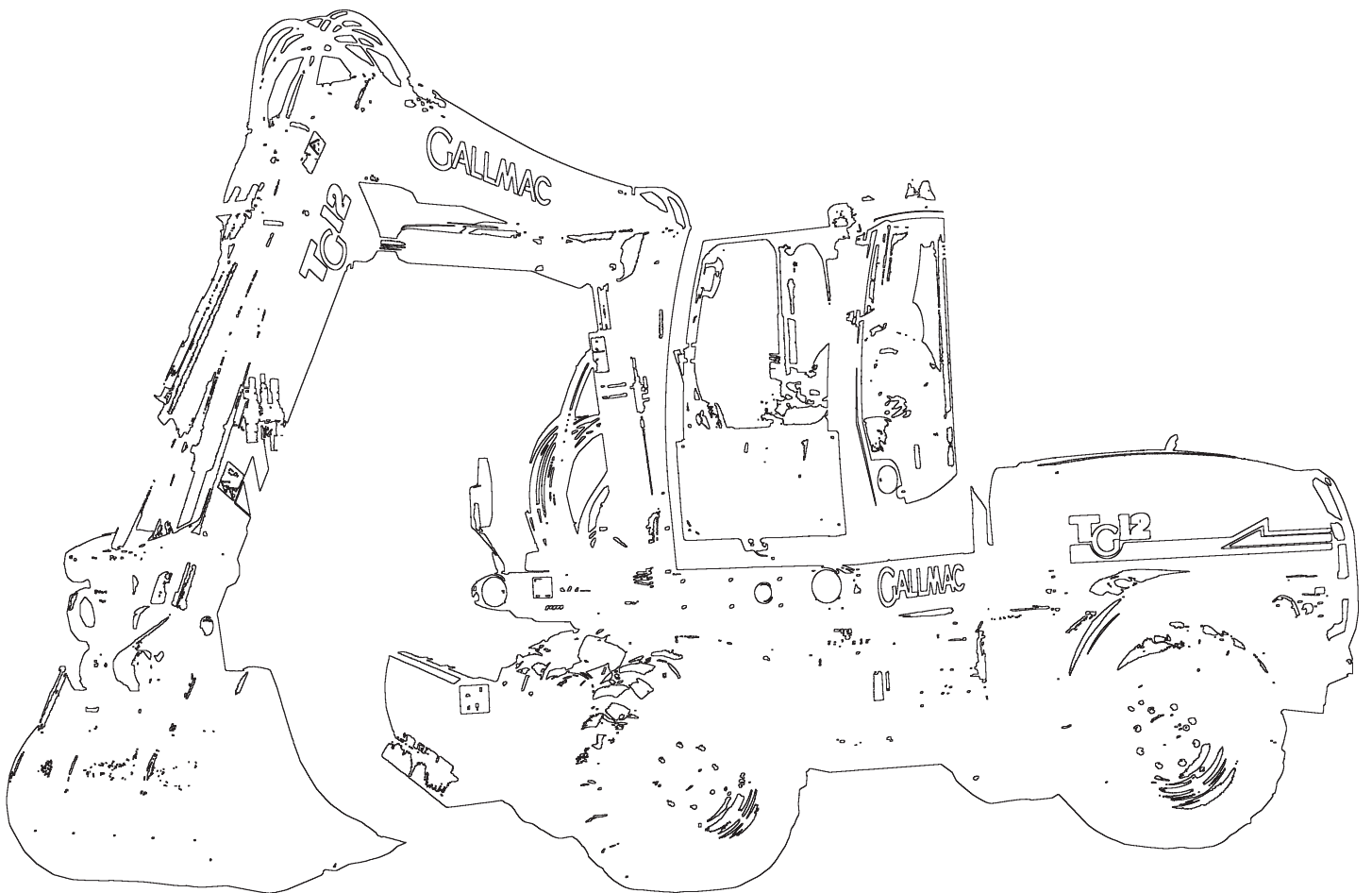


MACHINES

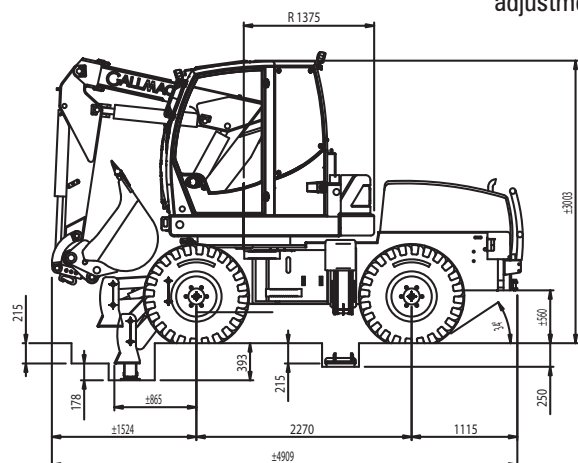
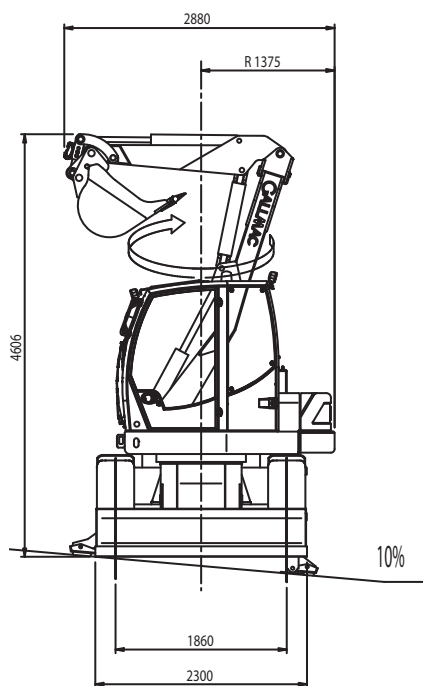


Gallmac machines are building site service vehicles specially designed for maximum efficiency in areas where space is limited such as town centers, along one-lane roads, or on work sites with limited maneuverability.

The extreme versatility allows on-site work to be performed using just one machine instead of several single purpose equipment.

The turret of the machine has 360° stepless rotation and remains within the overall dimensions of the machine when outriggers are in working conditions.

The articulated boom's lateral digging ability is also used to enhance tool changing capacity, and the quick connect/disconnect hydraulic couplings enable quick power tool changing.



Performance

Traction force	5700 daN
Max speed	30 km/h
Max flow (arm mov. circuit)	156 l/min
Pressure (arm mov. circuit)	270 bar

Note: the max speed may change according to tires and configuration

Characteristics

Max height	3003 mm
Max width	2300 mm
Max length	4909 mm
Mass	9600 kg

Engine

Diesel	74.5 kW (100 hp)
Cooling system	water
Electrical system	12 V

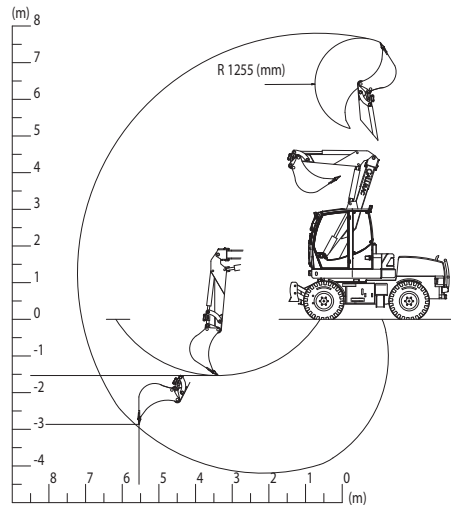
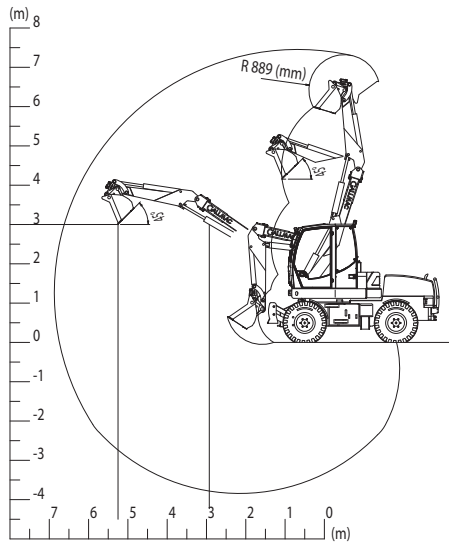
Hydraulic Transmission

Closed hydraulic circuit for hydrostatic drive with variable displacement pump/motor and "automotive" adjustment.
Open hydraulic circuit with load sensing adjustment.

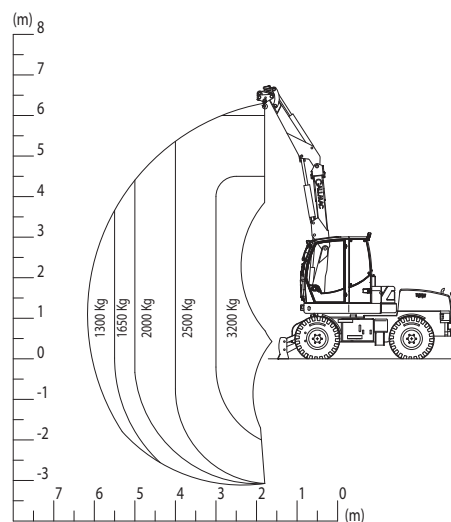
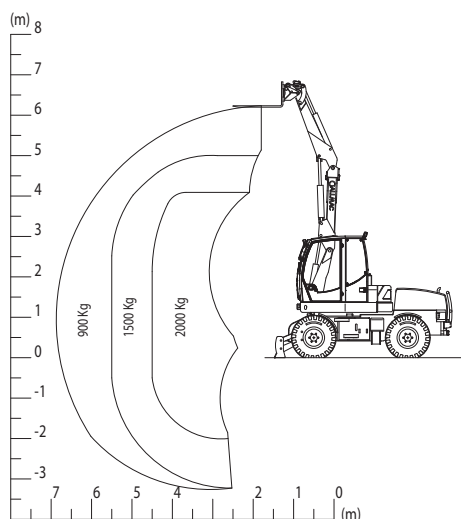
Configuration

Seat with mechanical suspension
Stabilizing / leveling blade
Load sensing proportional valves for simultaneous movements
Safety valves on all cylinders to prevent boom falls
2 steering axles allow 3 steering mode: on the rear wheels for road mode, four wheel steer to reduce the turning radius, crab steering
Swinging rear axles provided with 45% self-locking differential
Swinging rear axle blocking device
Hydraulic wet disc brake with 4 friction plates
Parking brakes spring apply and automatic hydraulic release
Cab with Rops and Fops structure
Overload buzzer
Backward drive buzzer
Independent oil fired heating system (4 kW)
Side excavating hydraulic system 35° left - 25° right
Bucket link with lifting hook (5 ton)
Manual Centralized greasing (n° 4 points)
1° Auxiliary hydraulic line with quick couplings
Vertical exhaust discharge
Tires 16/70- R20
Quick hydraulic coupling for equipment replacement

Working diagrams



Loading diagrams



Additional Devices

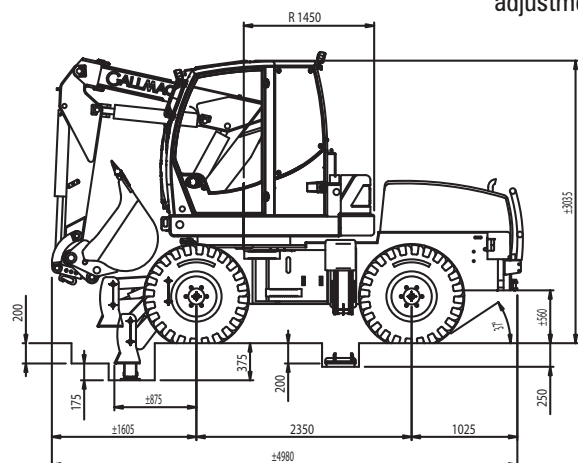
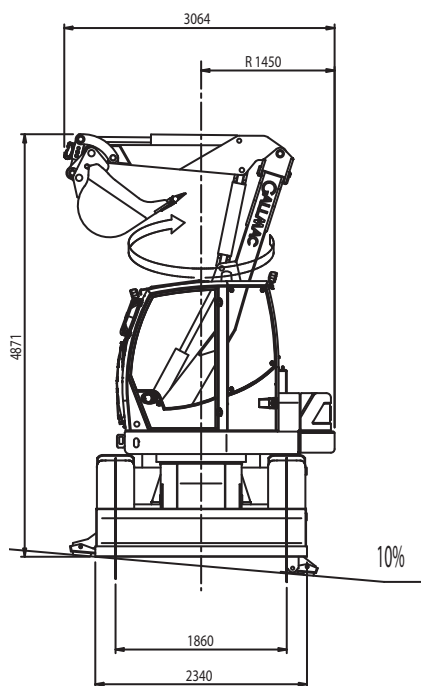
- ALL012** Seat with pneumatic suspension
- ALL032** Stabilizing/leveling blade with stabilizers
- ALL033** Front Stabilizer
- ALL034** Stabilizing/leveling blade with forks support
- ALL035** Stabilizing/leveling blade with stabilizers and forks support
- ALL036** "Greader" Blade $\pm 20^\circ$
- ALL042** Tires 18 x 19.5
- ALL043** Tires 425/75-R20
- ALL052** Front axle with 45% self-locking differential
- ALL062** Adjustable Bucket link
- ALL063** Adjustable Bucket link with lifting hook
- ALL072** Automatic greasing for turret
- ALL082** Air conditioning system
- ALL092** 2° and 3° arm synchronization
- ALL093** Pedal to Lever Inversion control
- ALL102** 2° Auxiliary hydraulic line
- ALL112** Working brake
- ALL132** Working elevating platform
- OPT001** Central outriggers
- OPT003** Engine case protection
- OPT004** Fuel charge pump
- OPT005** Kit mudguards
- OPT006** Radio/cd/mp3 Player
- OPT007** Radio/cd/mp3 Player + USB and bluetooth
- OPT009** Directional drill/ mixing bucket predisposition
- OPT010** Highlight led beacon (not for road circulation)
- OPT011** Led Working light
- OPT012** Auxiliary hydraulic line for hammer return

Gallmac machines are building site service vehicles specially designed for maximum efficiency in areas where space is limited such as town centers, along one-lane roads, or on work sites with limited maneuverability.

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The turret of the machine has 360° stepless rotation and remains within the overall dimensions of the machine when outriggers are in working conditions.

The articulated boom's lateral digging ability is also used to enhance tool changing capacity, and the quick connect/disconnect hydraulic couplings enable quick power tool changing.



Performance

Traction force	7700 daN
Max speed	32 km/h
Max flow (arm mov. circuit)	156 l/min
Pressure (arm mov. circuit)	285 bar

Note: the max speed may change according to tires and configuration

Characteristics

Max height	3035 mm
Max width	2340 mm
Max length	4980 mm
Mass	11000 kg

Engine

Diesel	74.5 kW (100 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

Closed hydraulic circuit for hydrostatic drive with variable displacement pump/motor and "automotive" adjustment.

Open hydraulic circuit with load sensing adjustment.

Configuration

- Seat with mechanical suspension
- Stabilizing / leveling blade
- Load sensing proportional valves for simultaneous movements
- Safety valves on all cylinders to prevent boom falls
- 2 speed gear boxes
- 2 steering axles allow 3 steering mode: on the rear wheels for road mode, four wheel steer to reduce the turning radius, crab steering
- Swinging rear axles provided with 45% self-locking differential
- Swinging rear axle blocking device
- Hydraulic wet disc brake with 4 friction plates
- Parking brakes spring apply and automatic hydraulic release
- Cab with Rops and Fops structure
- Overload buzzer
- Backward drive buzzer
- Independent oil fired heating system (4 kW)
- Side excavating hydraulic system 35° left - 25° right
- Bucket link with lifting hook (5 ton)
- Manual Centralized greasing (n° 4 points)
- 1° Auxiliary hydraulic line with quick couplings
- Vertical exhaust discharge
- Tires 16/70- R20
- Quick hydraulic coupling for equipment replacement

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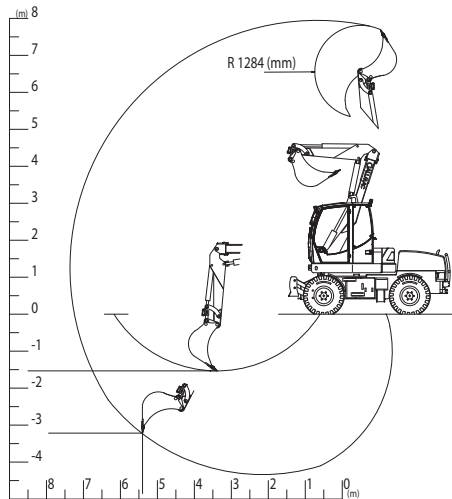
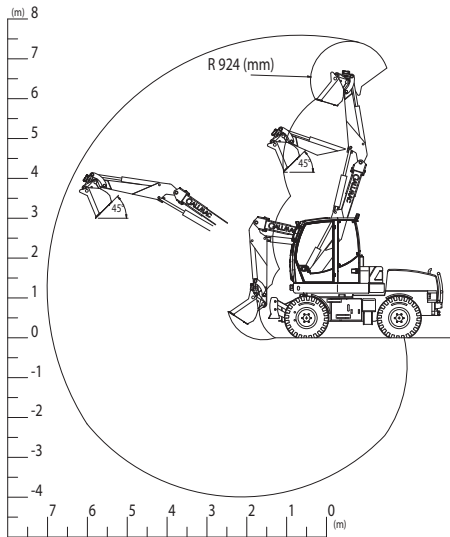
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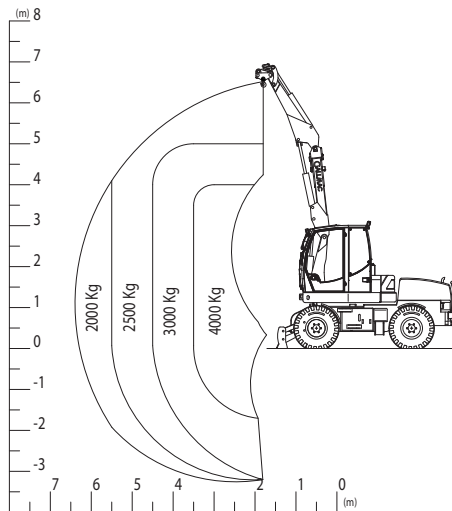
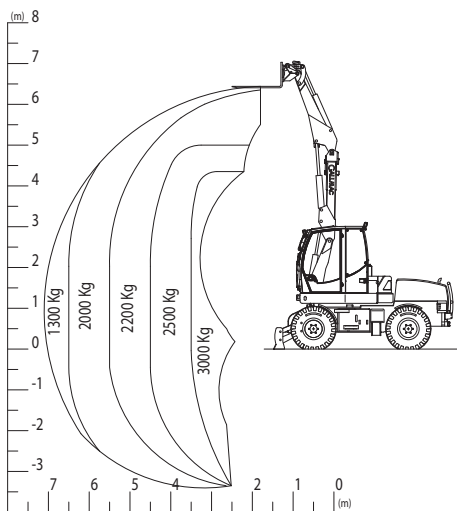
Manufacturing facilities

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Working diagrams



Loading diagrams



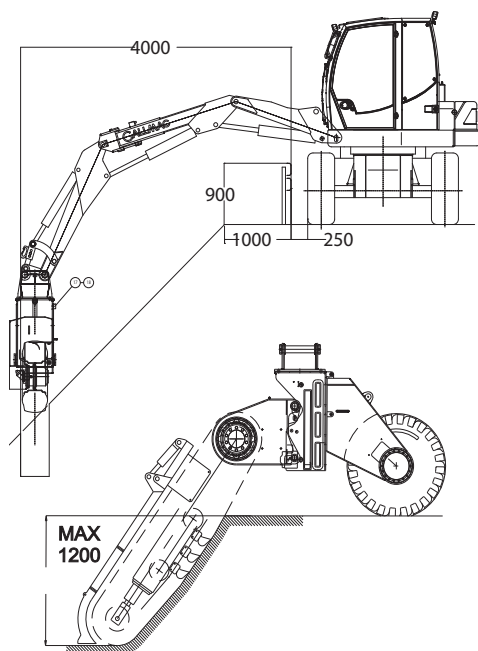
Additional Devices

- ALL012** Seat with pneumatic suspension
- ALL032** Stabilizing/leveling blade with stabilizers
- ALL033** Front Stabilizer
- ALL034** Stabilizing/leveling blade with forks support
- ALL035** Stabilizing/leveling blade with stabilizers and forks support
- ALL036** "Greader" Blade $\pm 20^\circ$
- ALL042** Tires 18 x 19.5
- ALL043** Tires 425/75-R20
- ALL052** Front axle with 45% self-locking differential
- ALL062** Adjustable Bucket link
- ALL063** Adjustable Bucket link with lifting hook
- ALL072** Automatic greasing for turret
- ALL082** Air conditioning system
- ALL092** 2° and 3° arm synchronization
- ALL093** Pedal to Lever Inversion control
- ALL102** 2° Auxiliary hydraulic line
- ALL112** Working brake
- ALL132** Working elevating platform
- ALL133** Trenching device
- OPT001** Central outriggers
- OPT003** Engine case protection
- OPT004** Fuel charge pump
- OPT005** Kit mudguards
- OPT006** Radio/cd/mp3 Player
- OPT007** Radio/cd/mp3 Player + USB and bluetooth
- OPT009** Directional drill/ mixing bucket predisposition
- OPT010** Highlight led beacon (not for road circulation)
- OPT011** Led Working light
- OPT012** Auxiliary hydraulic line for hammer return

The digging frame consists of a digging chain and a **motorized wheel** to which are attached a support and drive wheel, the chain saw and the plate with quick coupling.

The most important feature is the synchronism of this wheel with the tractor wheels which assures the maximum digging performances.

This attachments provides maximum digging capability, thus making the TG12 even more versatile.



Performance

Traction force	7700 daN
Max speed	32 km/h
Max flow (arm mov. circuit)	156 l/min
Pressure (arm mov. circuit)	285 bar

Note: the max speed may change according to tires and configuration

Characteristics

Max height	3035 mm
Max width	2340 mm
Max length	4980 mm
Mass	11000 kg

Engine

Diesel	74.5 kW (100 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

Closed hydraulic circuit for hydrostatic drive with variable displacement pump/motor and "automotive" adjustment.
Open hydraulic circuit with load sensing adjustment.

Trencher Predisposition

Second extra-circuit on boom
Modifications on the hydraulic system to feed the trencher
Additional radiator for hydraulic oil
Modifications on controls to operate the Trencher attachment

Digging width	20-35 cm
Digging depth	60-120 cm

Configuration

Seat with mechanical suspension
Stabilizing / leveling blade
Central stabilizers
Load sensing proportional valves for simultaneous movements
Safety valves on all cylinders to prevent boom falls
2 speed gear boxes
2 steering axles allow 3 steering mode: on the rear wheels for road mode, four wheel steer to reduce the turning radius, crab steering
Swinging rear axles provided with 45% self-locking differential
Swinging rear axle blocking device
Hydraulic wet disc brake with 4 friction plates
Parking brakes spring apply and automatic hydraulic release
Cab with Rops and Fops structure
Overload buzzer
Backward drive buzzer
Independent oil fired heating system (4 kW)
Side excavating hydraulic system 35° left - 25° right
Bucket link with lifting hook (5 ton)
Manual Centralized greasing (n° 4 points)
1° Auxiliary hydraulic line with quick couplings
Vertical exhaust discharge
Tires 16/70- R20
Quick hydraulic coupling for equipment replacement

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Manufacturing facilities

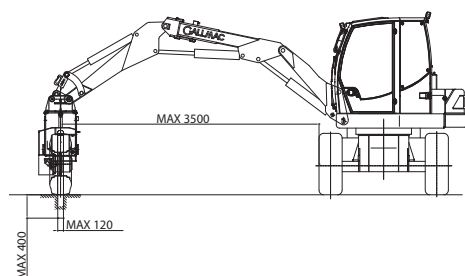
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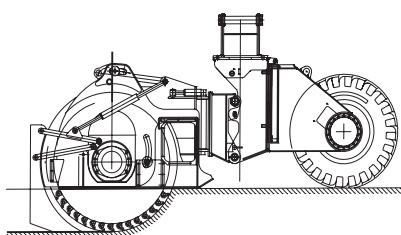
The digging system consists of a disk and a **motorized wheel** to which are attached a support and drive wheel, the rock saw and the plate with quick coupling.

The most important feature is the synchronism of this wheel with the tractor wheels which assures the maximum digging performances.

This is the ideal machine for urban cabling in limited space, and with limited maneuverability.



The minimum digging point from tires side is 1250 mm.



Performance

Traction force	7700 daN
Max speed	32 km/h
Max flow (arm mov. circuit)	156 l/min
Pressure (arm mov. circuit)	285 bar

Note: the max speed may change according to tires and configuration

Characteristics

Max height	3035 mm
Max width	2340 mm
Max length	4980 mm
Mass	11000 kg

Engine

Diesel	74.5 kW (100 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

Closed hydraulic circuit for hydrostatic drive with variable displacement pump/motor and "automotive" adjustment.
Open hydraulic circuit with load sensing adjustment.

Trencher Predisposition

Second extra-circuit on boom
Modifications on the hydraulic system to feed the trencher
Additional radiator for hydraulic oil
Modifications on controls to operate the Trencher attachment

Digging width	7-12 cm
Digging depth	40 cm

Configuration

Seat with mechanical suspension
Stabilizing / leveling blade
Central stabilizers
Load sensing proportional valves for simultaneous movements
Safety valves on all cylinders to prevent boom falls
2 speed gear boxes
2 steering axles allow 3 steering mode: on the rear wheels for road mode, four wheel steer to reduce the turning radius, crab steering
Swinging rear axles provided with 45% self-locking differential
Swinging rear axle blocking device
Hydraulic wet disc brake with 4 friction plates
Parking brakes spring apply and automatic hydraulic release
Cab with Rops and Fops structure
Overload buzzer
Backward drive buzzer
Independent oil fired heating system (4 kW)
Side excavating hydraulic system 35° left - 25° right
Bucket link with lifting hook (5 ton)
Manual Centralized greasing (n° 4 points)
1° Auxiliary hydraulic line with quick couplings
Vertical exhaust discharge
Tires 16/70- R20
Quick hydraulic coupling for equipment replacement

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Manufacturing facilities

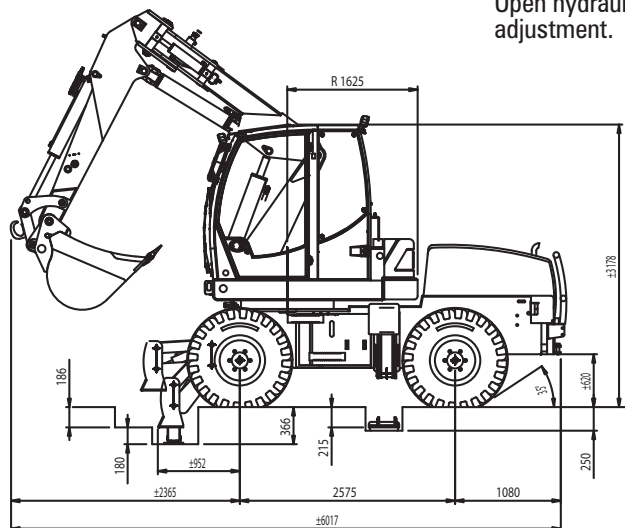
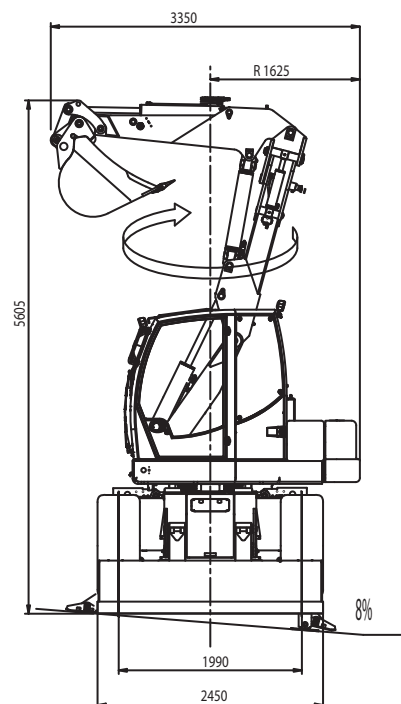
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The turret of the machine has 360° stepless rotation and remains within the overall dimensions of the machine when outriggers are in working conditions.

The articulated boom's lateral digging ability is also used to enhance tool changing capacity, and the quick connect/disconnect hydraulic couplings enable quick power tool changing.



Performance

Traction force	8600 daN
Max speed	30 km/h
Max flow (arm mov. circuit)	198 l/min
Pressure (arm mov. circuit)	285 bar

Note: the max speed may change according to tires and configuration

Characteristics

Max height	3178 mm
Max width	2450 mm
Max length	6017 mm
Mass	14000 kg

Engine

Diesel	93.2 kW (125 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

Closed hydraulic circuit for hydrostatic drive with variable displacement pump/motor and "automotive" adjustment.

Open hydraulic circuit with load sensing adjustment.

Configuration

- Seat with mechanical suspension
- Stabilizing / leveling blade
- Load sensing proportional valves for simultaneous movements
- Safety valves on all cylinders to prevent boom falls
- 2 speed gear boxes
- 2 steering axles allow 3 steering mode: on the rear wheels for road mode, four wheel steer to reduce the turning radius, crab steering
- Swinging rear axles provided with 45% self-locking differential
- Swinging rear axle blocking device
- Hydraulic wet disc brake with 4 friction plates
- Parking brakes spring apply and automatic hydraulic release
- Cab with Rops and Fops structure
- Overload buzzer
- Backward drive buzzer
- Independent oil fired heating system (4 kW)
- Side excavating hydraulic system 30°
- Bucket link with lifting hook (5 ton)
- Manual Centralized greasing (n° 4 points)
- 1° Auxiliary hydraulic line with quick couplings
- Vertical exhaust discharge
- Tires 18 x 22.5
- Quick hydraulic coupling for equipment replacement

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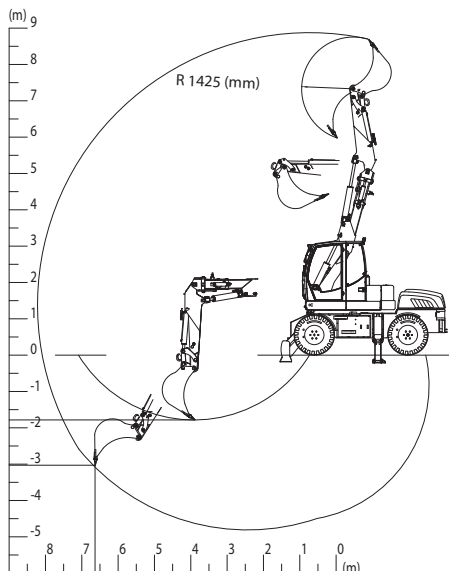
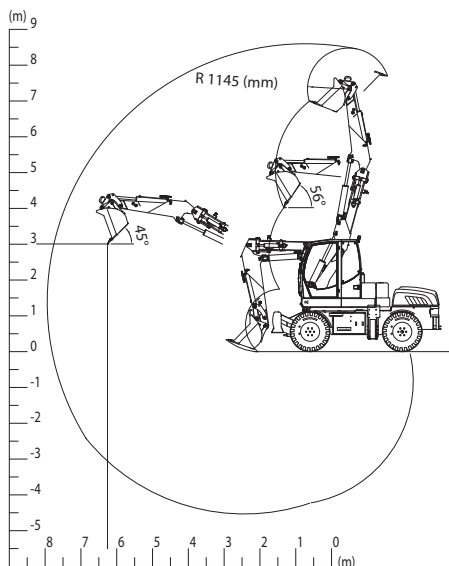
Manufacturing facilities

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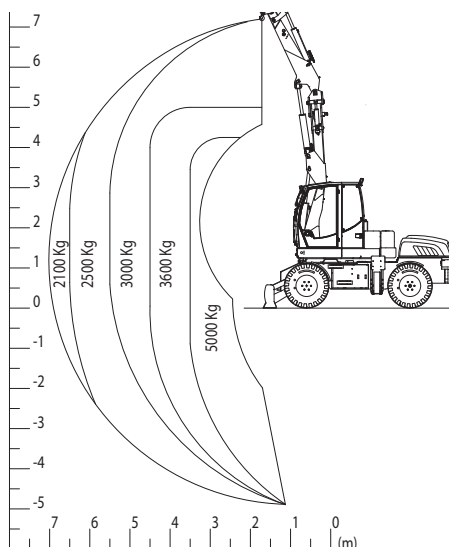
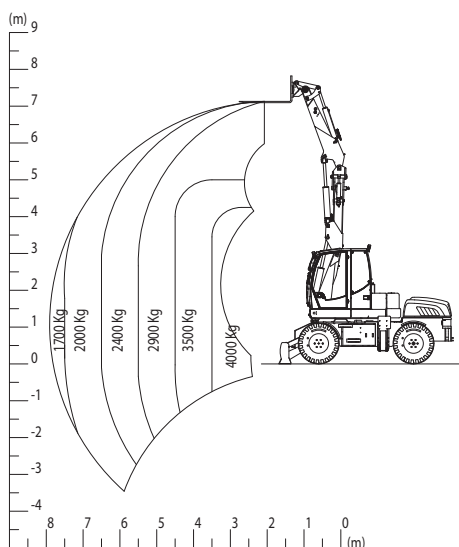
Manufacturing facilities

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Working diagrams



Loading diagrams



Additional Devices

- ALL012** Seat with pneumatic suspension
- ALL032** Stabilizing/leveling blade with stabilizers
- ALL033** Front Stabilizer
- ALL034** Stabilizing/leveling blade with forks support
- ALL035** Stabilizing/leveling blade with stabilizers and forks support
- ALL036** "Greader" Blade $\pm 20^\circ$
- ALL052** Front axle with 45% self-locking differential
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- OPT012** Auxiliary hydraulic line for hammer return

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