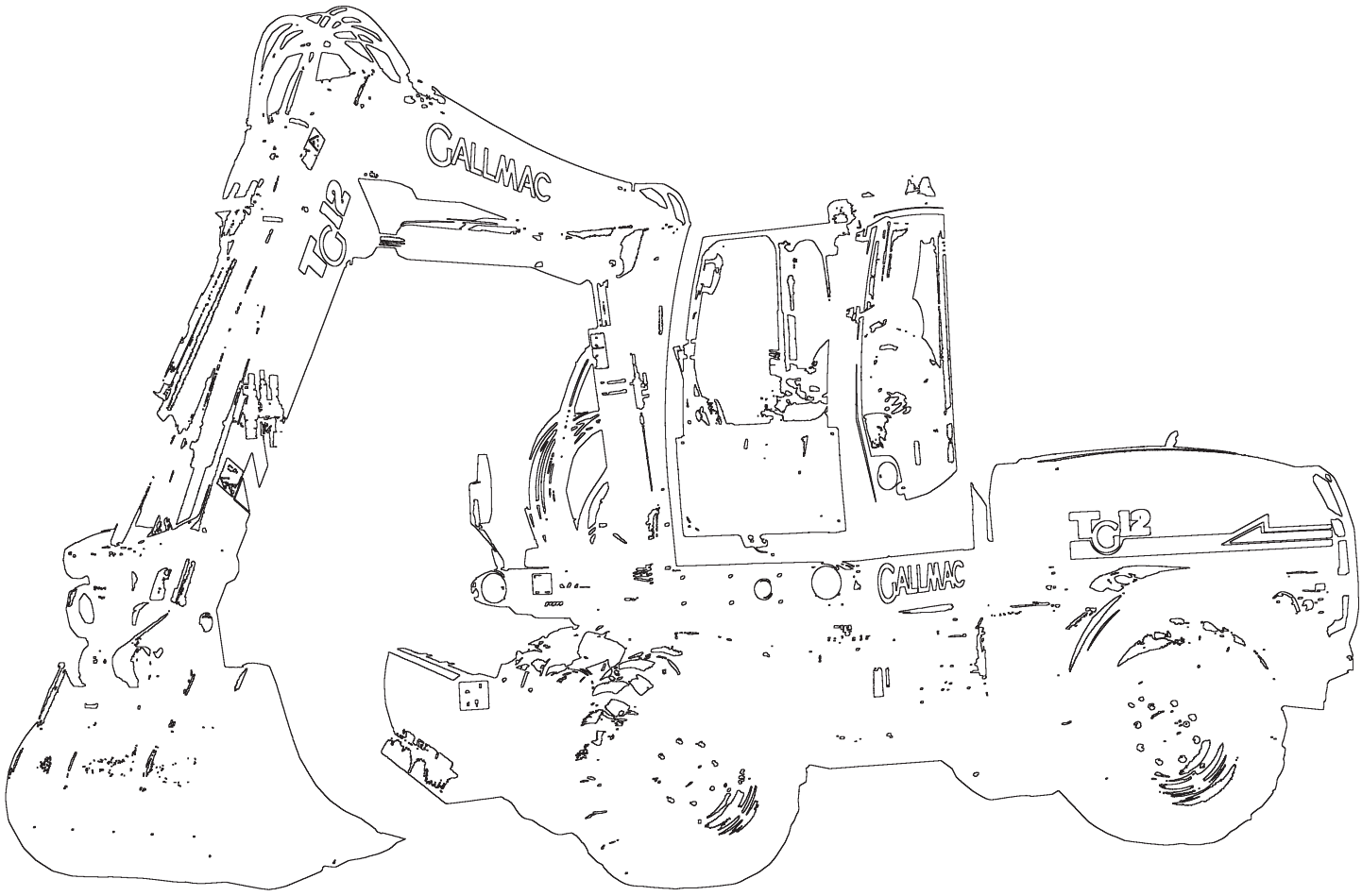
# MACHINES

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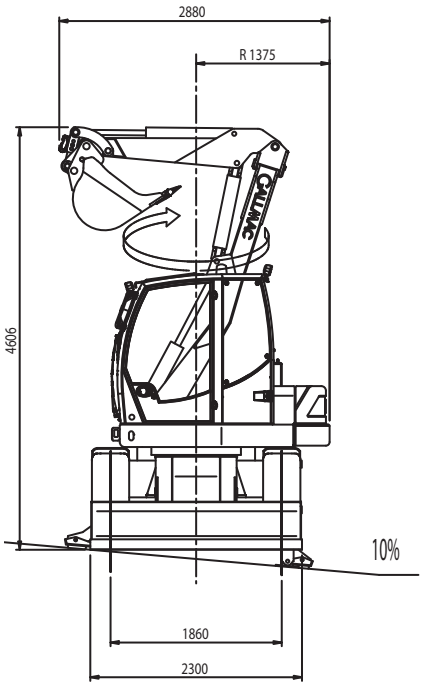
GALLMAC

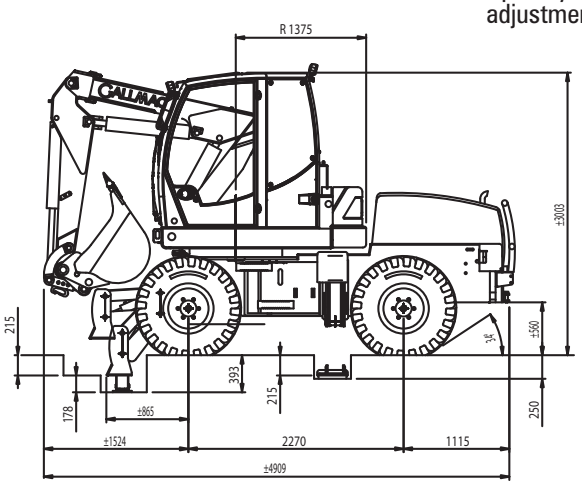
# Wheeled Multifunction Machine
# TG10

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

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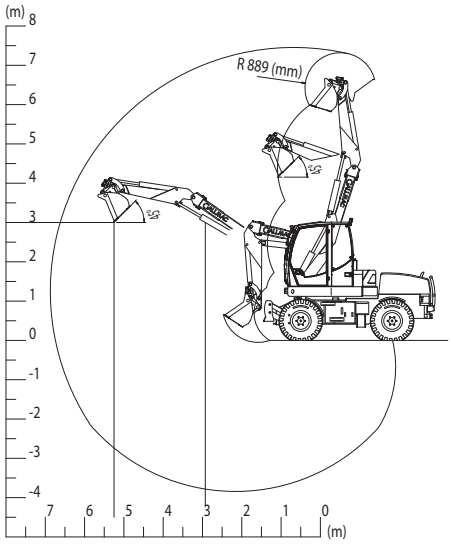
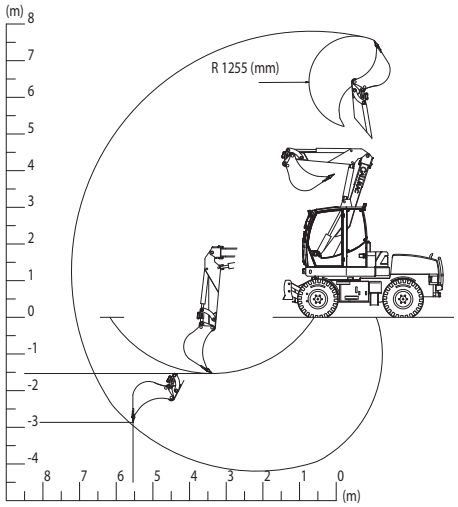
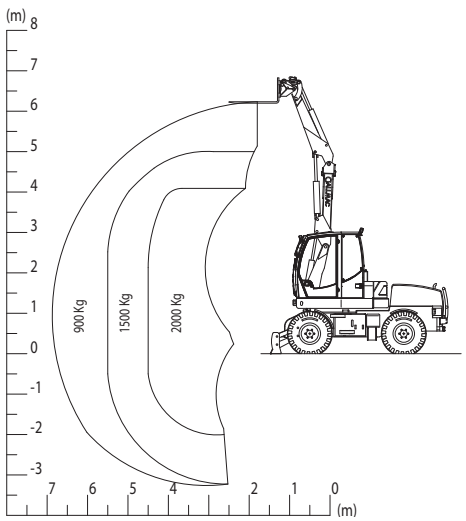
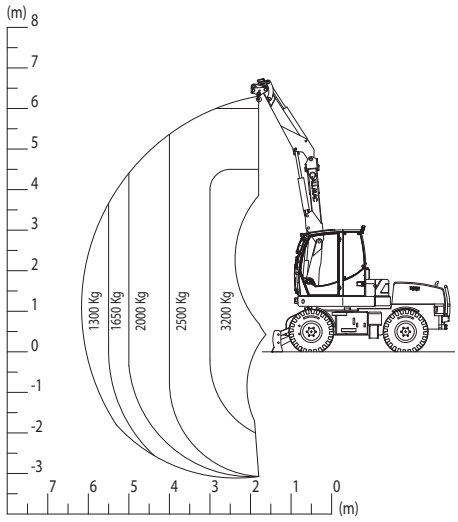
## Working diagrams




## 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 ±20° |
| **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 |



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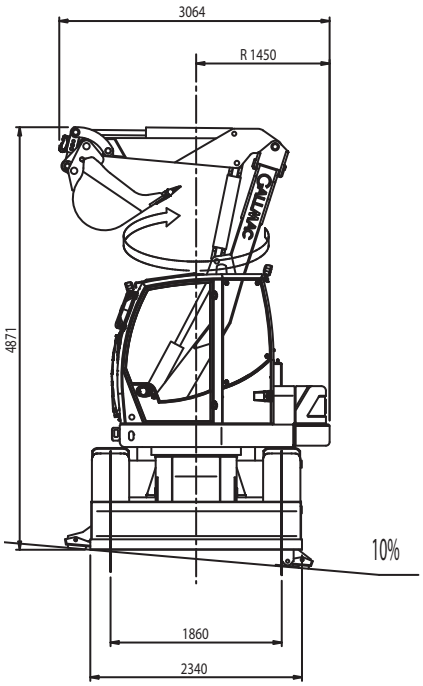
GALLMAC

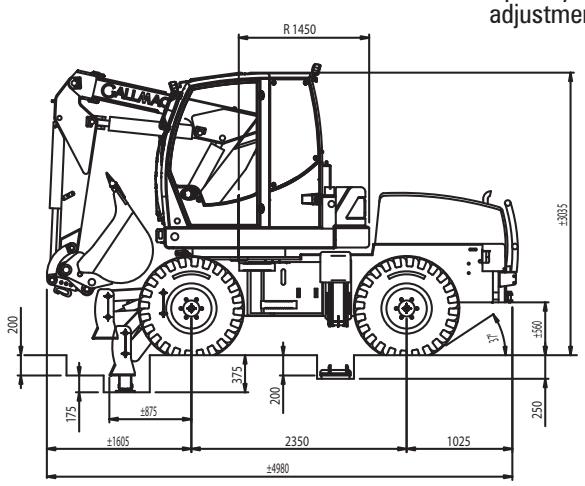
# Wheeled Multifunction Machine
# TG12

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 | 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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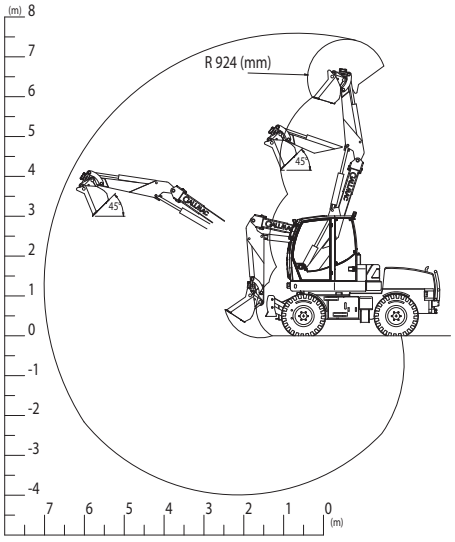
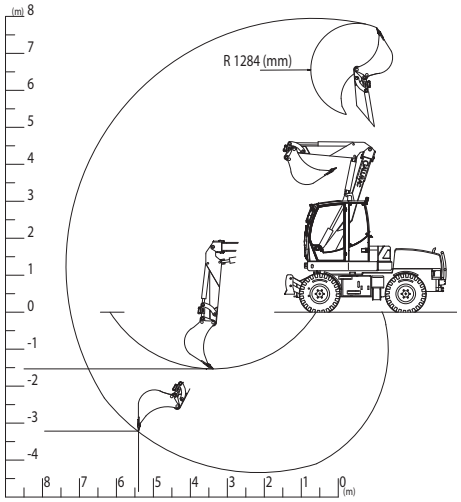
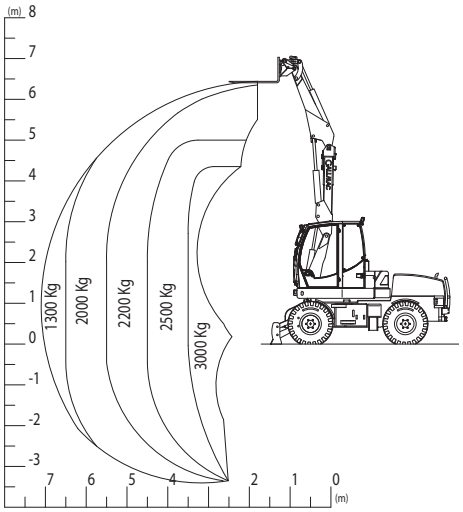
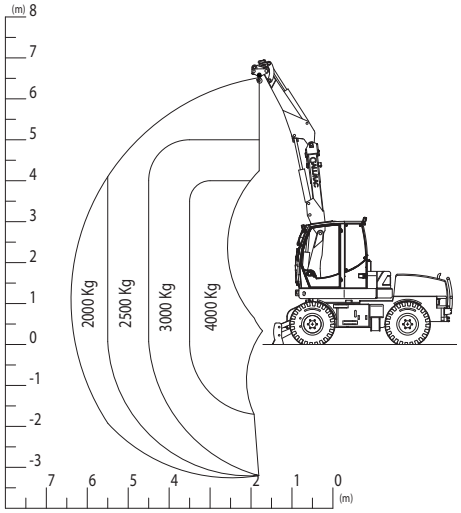



## Loading diagrams




## 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 ±20° |
| **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 |



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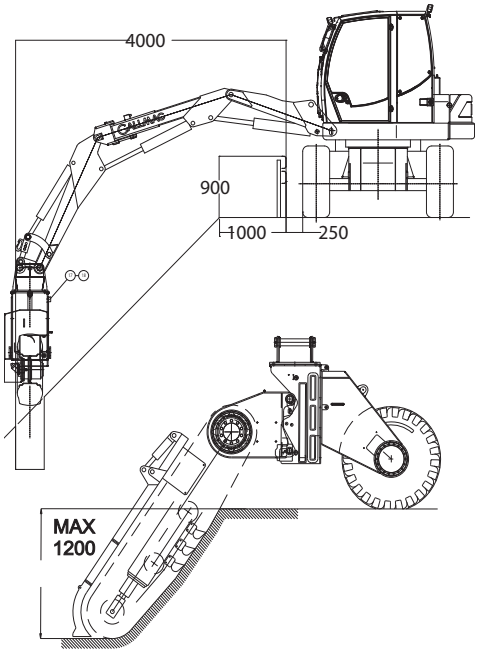
GALLMAC

# Wheeled Multifunction Machine with Trencher
# TG12 TRS - Chainsaw

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

Certified Quality System
ISO 9001:2008

Keep you updated on: **www.tesmec.com**

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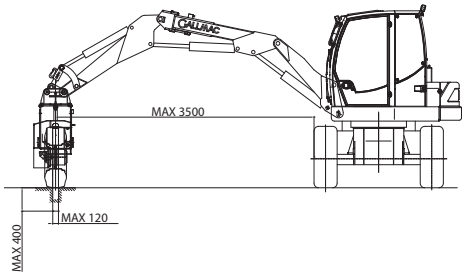
# GALLMAC

# Wheeled Multifunction Machine with Trencher
# TG12 TRS - Rocksaw

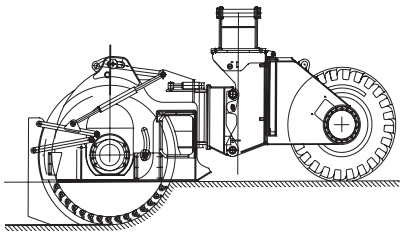
The digging system consists of a disk and a **motorized wheel** to which are attached a support and drive wheel, the rock saw and the plate with quick coupling.

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

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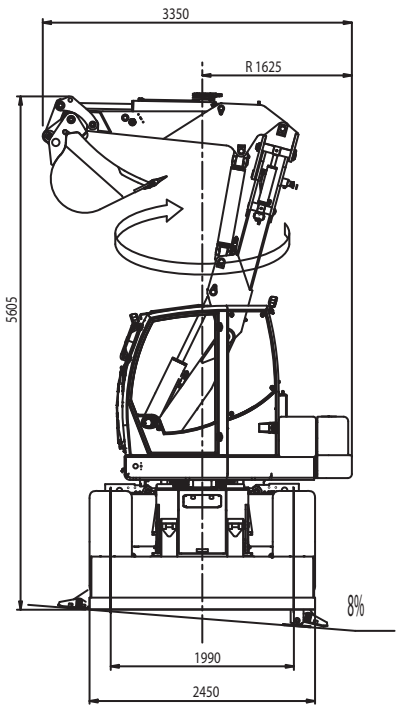
GALLMAC

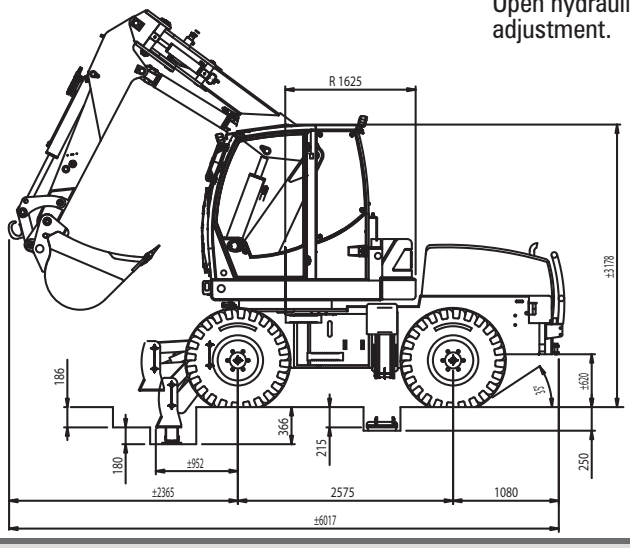
# Wheeled Multifunction Machine
# TG14

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 | 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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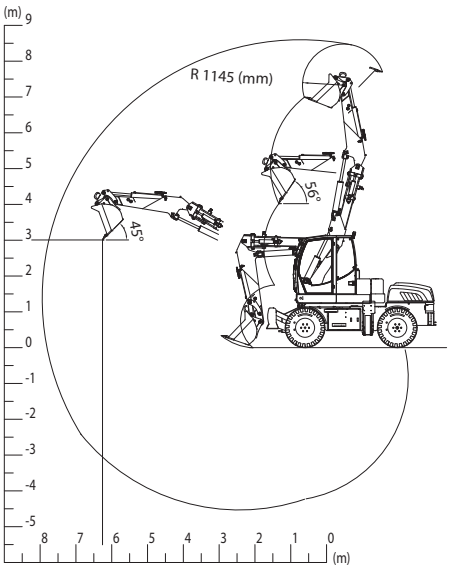
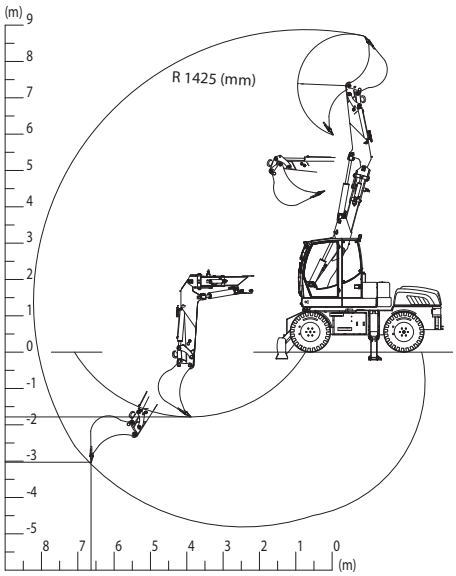
GALLMAC

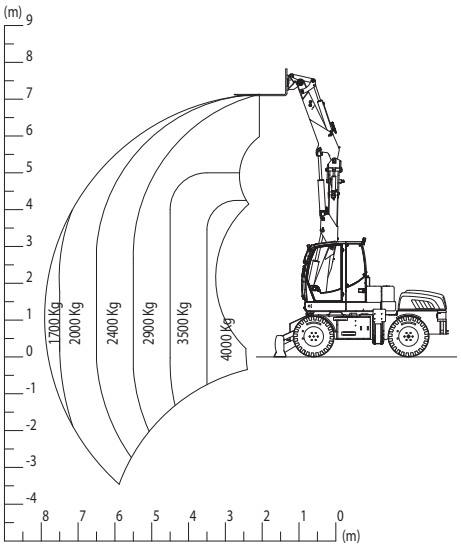
# Wheeled Multifunction Machine
# TG14

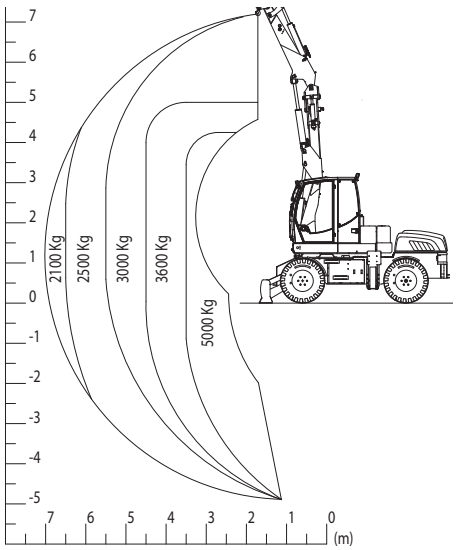
## Working diagrams




## 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 ±20° |
| **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 |

Certified Quality System
ISO 9001:2008

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Ed. 2013



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