

# Unmanned Ground Vehicle

The Unmanned Ground Vehicle is particularly suited to transporting materials in hazardous areas, such as alongside rivers or canals, in quarries or demolition sites where there is a risk of falling debris, or on gradients where there is a risk that a normal mini dumper could topple and injure the operator. With a 500kg lift capacity and a hi-tip mechanism it does all you could expect from a mini dumper, but with the safety advantages afforded by the remote control mechanism – which is also incredibly easy to use.

## Applications

Because the Unmanned Ground Vehicle is operated by remote control, it is safe to be used in hazardous areas, considerably reducing the number of times a person is exposed to danger. For example:

- In quarries or demolition sites where there is a risk of falling debris
- Near deep water where people would normally be at risk
- In dangerous areas such as airports, power stations and railway sites
- Contaminated land e.g. with asbestos
- On unstable ground or areas with steep gradients

## Specifications

The Unmanned Ground Vehicle has all the advantages you would expect from a mini dumper and more with the addition of the option to operate it remotely:

- 500 kg load capacity
- Hi tip scissor-lift action enabling easy skip loading
- Can be used as a remote control or walk behind dumper 300m remote control range
- Vanguard 16hp engine enabling speeds up to 8 miles per hour.



# Unmanned Ground Vehicle

<b>Engine</b>	Vanguard V-Twin (Briggs & Stratton)
<b>Output</b>	16hp, 11.9 kw
<b>Cooling</b>	Air
<b>Fuel</b>	Petrol (Unleaded)
<b>Drive speed</b>	0-8 mph
<b>Fuel tank capacity</b>	8.5 litres
<b>Hydraulic oil</b>	Biodegradable
<b>Oil tank capacity</b>	39 litres
<b>Drive</b>	forward/stop/reverse
<b>Motors</b>	Direct hydraulic full time 4 wheel drive 4 x hydraulic motors
<b>Wheels/tyres</b>	Steel (silver) / 18 x 7.00 – 8
<b>Lift capacity</b>	500kg
<b>Lift / Tip height</b>	1250mm
<b>Width</b>	825mm
<b>Minimum Height</b>	1150mm
<b>Length</b>	1555mm
<b>Maximum Weight</b>	400 kg
<b>Climbing incline max</b>	25 degrees
<b>Remote control range</b>	100 metres

