

A remarkable vehicle designed to get a driver and load over the kind of rugged terrain where conventional vehicles can't go !

For the man who has to work no matter what the weather or ground conditions, the amazing GARRON will take him there in complete comfort — and carry his supplies as well. Over rocky slopes, through mud and peat, the GARRON is the ideal answer for Foresters, Linesmen, Hill Farmers, Stalkers, Fencing Teams, Mountain Rescue and Surveyors.

the highland **garron**

the all seasons track vehicle



the highland garron

The Garron crosscountry tractor consists basically of a moulded aluminium flat platform chassis 97" long x 50" wide which is fitted with a 28 h.p. engine and flexible nylon reinforced rubber tracks. The Garron can be provided with a choice of superstructures to suit individual transport and load carrying requirements.

STANDARD SPECIFICATION

A simple carrying frame with roll bar and low windscreen. In this simplest form the owner may add his own specialised components to the frame for the job required. The frame has tubular extensions on either side of the chassis increasing the load carrying capacity by approximately 10 sq. ft. This arrangement is designed for the carriage of fencing materials, deer, fertiliser, or other goods evenly distributed around the chassis to ensure optimum driving conditions.

WEATHER PROTECTION

This is added to the basic carrying frame and consists of a windscreen giving good visibility with electric windscreen wiper, a roof, durable fabric sides and back with windows.

SEATING

The standard specification has a single seat provided for the driver. Additional seats are available up to a normal maximum of four

The weather protected model can be supplied with a bench seat to provide weather protection for two people.

The siting of extra seats is flexible and depends upon the application envisaged for the Garron.

TRANSPORT BOX

A rectangular box which can be fitted and removed easily may be attached to the carrying frame behind the driver's seat. The box has provision for two passenger seats, if required.

APPLICATIONS

Fencing — fencing materials are loaded round the carrying frame and tied on securely if they are to be transported over steep or soft terrain. A normal load up to approximately 800 lbs. can be carried.

People — The addition of the transport box with seats or individual seats fitted to the frame can convert the Garron into a personnel carrier.

Deer — With the single seat for the driver and an extra seat mounted on the carrying frame for a passenger the Garron can be equipped for carrying 2 people and 2 or 3 stags or approximately 5 hinds.





Fertiliser — This can be loaded on the carrying frame. In suitable conditions a wheeled spinner can be towed behind the Garron for spreading fertiliser.

Plants — These can be transported to the hill on the carrying frame. Up to 800 lbs. can be handled without difficulty.

Hill Feed — Using the carrying frame 14/18 bales, depending upon size, can be carried and if the terrain is reasonable, a cross-country trailer can be towed further increasing the load.

Snow — The Garron is good on snow, its low ground pressure ensures this. In icy conditions special cleats can be fitted without removing the tracks.



GENERAL ROAD TRANSPORT

A choice of trailers can be supplied for the Garron. One

version on to which a loaded Garron can be driven without ramps. This is suitable for use on private roads.

The public road version is equipped with brakes and requires ramps to load the machine.

PERFORMANCE

The extremely low ground pressure of the Garron, approx. 0.5 lbs./in² unloaded and 1.0 lbs./in² laden, enables the vehicle to cross, without difficulty, soft and wet ground conditions without fear of sticking. This means that it can work on black wet peat or in green moss as well as other normal bog conditions. Due to the vehicle's weight and manoeuvrability it is possible to both drive in and around peat hags. In an awkward situation the Garron's weight allows it to be effectively manhandled.

SPECIFICATION

The build up of our machines is such that a reasonable degree of variation in specification is possible to suit individual requirements. Our integrated welding, coachbuilding and joinery section can provide you with additional facilities as required.

RUNNING IN

This has been done in advance at our Factory. Only routine checks and servicing need be done by the owner after delivery.



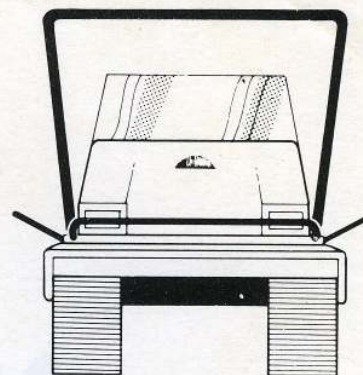
DELIVERY AND TRAINING

On our staff we have Training Board approved instructors. We arrange for these instructors to deliver new machines and this gives the operator an opportunity to drive the Garron under instruction with a skilled driver. In addition to this the new driver is given full details on machine maintenance and normal servicing. This service is covered by our delivery charge and we would most strongly recommend that full advantage be taken of our instructor's time to ensure that a long troublefree life is obtained from the Highland Garron.

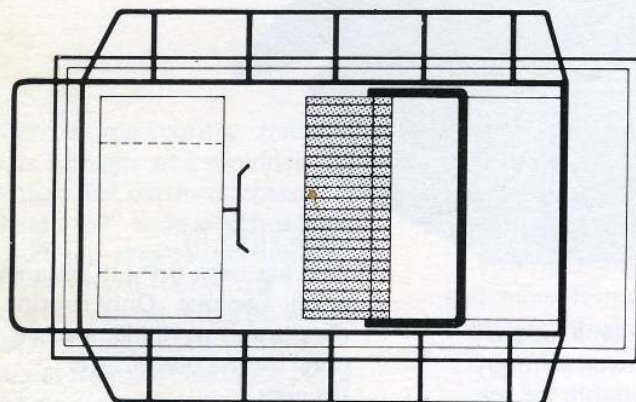


James Jones & Sons Limited

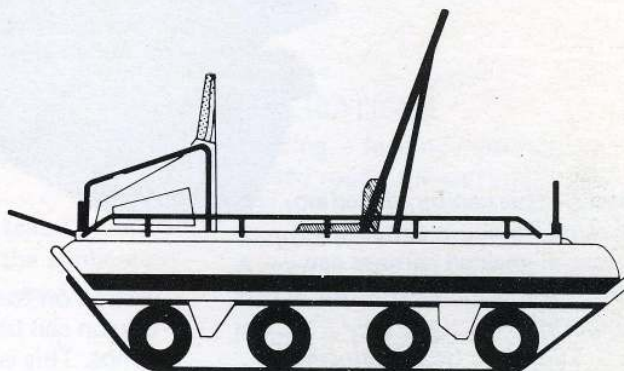
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FRONT ELEVATION



PLAN



SIDE ELEVATION

TECHNICAL SPECIFICATIONS

Dimensions	
Chassis Length	97"
Chass Width	50"
Weight	750 pounds
Traction	Two one-piece endless rubber tracks, reinforced with 3 ply nylon 13" wide
Engine	Kohler air-cooled, twin cylinders, 399 c.c., 28 H.P. at 4,000 RPM
Ground Pressure	Dry unloaded 0.5 pounds per square inch
Towing Capacity	Up to 1,200 pounds (normal conditions)
Load Capacity	800 pounds
Body	Heavy Aluminium extrusion and welded in one piece
Engine Cowling	Laminated fibre-glass
Seats	Choice of seating
Transmission	Automatic transmission with manual gearbox, 3 positions: 'Forward', 'Reverse', 'Neutral'
Steering Control	Fixed "T" handlebar, no pedal
Brakes	Hand operated "Disc Type" also emergency brake standard
Suspension	4 Double Leaf Springs with 16 pneumatic tyres size 410/3.50x4"
Ground Clearance	9" minimum
Exhaust System	Twin mufflers with spark arrester
Electrical Circuit	Full lighting, 12 volts ignition, 75 watts, 55 amp. system, battery and electric starter
Fuel Capacity	7 Imperial gallons
Speed	Up to 30 MPH either forward or reverse
Roll Bar	Tubular Steel
Optional Equipment	Alternative chassis and track width, Weather Proofing, Load Platforms, Extra Seating, Cross Country Trailers

The Company reserves the right to alter Specifications without prior notice



HIGHLAND GARRON.

Technical Information		Model 613	Model 618
Dimensions	Length 97" Width	50"	62"
Tracks	Rubber reinforced with 3 ply nylon	13" wide	18" wide
Weight		870 lbs	1050 lbs
Body	Aluminium with reinforced steel belly guards. Glass fibre engine cowling.		
Engine	Tecumseh 463cc single cylinder 4 stroke aircooled, electric starter.		
Electrics	Alternator, rectifier, 12v D.C. battery, lights and starter.		
Transmission	Automatic variable pulley transmission, with 4 position gearbox selection - 2 forward, reverse, neutral. Chain drive from gear box to drive shafts.		
Speed	1st forward - 0-6 m.p.h., 2nd forward - 0-15 m.p.h., reverse - 0-7.5 m.p.h.		
Steering	Handlebar control to steel clutches and brakes. Change direction achieved by selective declutching of drive and braking of individual tracks.		
Brakes	Steering, emergency and parking, disc brakes.		
Suspension	4 double leaf springs with pneumatic tyres. Pressure 25 p.s.i.		
Ground pressure	0.5 pounds per square inch unloaded.		
Towing capacity	1200 lbs.		
Load capacity	800 lbs.		
Optional equipment	Choice of seating, load platform, weather cabin. Special fertiliser spinner.		
The Company reserves the right to alter specification without prior notice.			