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MARSH VARF BUGGY

Floating steel wheels.
4 independent hydraulic motors.
Direct drive.

Helicopter pad.

AMG

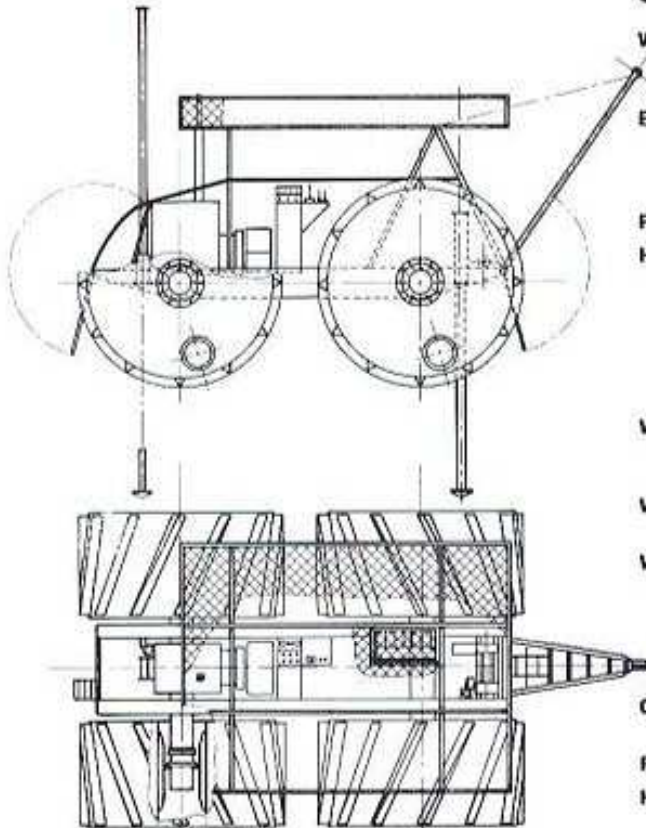
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MARSH VARF BUGGY

PURPOSE

totally amphibious, hydraulic drive, four floating wheels marsh buggy designed to operate in heavy marsh, deep water with reeds islands.

SPECIFICATIONS



WEIGHT

- : Basic vehicle weight 11 metric tons.
- : Load capacity 2 metric tons.
- : Gross weight 13 metric tons.

ENGINE

- : Deutz BF 6 L 913 air cooled, 160 HP at 2500 RPM, or GM 4-53 T - 175 HP at 2500 RMP. Hydraulic starter upon request to avoid electrical circuit.

POWER TAKE OFF

- : Three pumps drive power divider flanged on engine block.

HYDRAULIC GENERATOR

- : Two independent closed loop circuits for traction and steering of each lateral pair of wheels (left side and right side). One independent closed loop circuit for winch drive, capacity of hydraulic tank 300 litres. 25 kW oil cooler. Three variable displacement EATON PV 54 hydraulic pumps controlled by finger-tip operated remote hydraulic valves.

WHEEL DRIVE

- : Planetary type wheel hubs driven by piston type EATON MF 46 hydraulic motors. No chain drive - no chain adjustment required.

WINCH/GIN POLE

- : Ramsey R 20 10,000 daN first layer capacity winch with built-in gin pole.

WHEELS

- : 1500 mm wide x 2960 mm overall diameter, Wind ring rolling face wall thickness 4 mm on two dished bottoms. Wall thickness 5 mm overlap welding throughout. Steels wheels can be interchanged with GOOD YEAR TERRATIRE 66 x 43-25 tire wheels.

CHASSIS

- : Wheelbase 3500 mm. Rectangular tube steel beams with tubular cross members.

FUEL TANK

- : 700 litres capacity for refuelling other vehicles in the field.

HELICOPTER PAD

- : 3600 mm x 3000 mm area for safe boarding operations. Non skidding aluminium deck plate.

PERFORMANCES

gradeability : 50 % - draw bar pull : 8500 daN
land speeds : up to 8 km per hour - water speeds : up to 5 km per hour.

OPTIONAL

ANCHOR POLE two 3000 mm. Stroke hydraulically operated anchor poles to prevent wind drift under hovering helicopter.