



RHAM
EQUIPMENT

RHAM LOAD UTILITY VEHICLE
MODEL UV 5000-C FLP



**THE BEST EQUIPMENT
UNDER THE EARTH**

www.rhamequipment.co.za

TECHNICAL SPECIFICATIONS OF EQUIPMENT

SPECIFICATIONS

UV5000-C FLP Capacities

Maximum Load 5 000kg

Volumetric Capacity $\pm 2.2 \text{ m}^3$

Dimensions

Length 6 350 mm

Width 2 700 mm

Height 1 490 mm

Dry Weight 9 090 kg

General

1st Speed 5,1 km/h

2nd Speed 10,2 km/h

KEY BENEFITS OF OUR UTILITY VEHICLE'S

The Rham UV 5000-C FLP is a locally manufactured product with:

- Increased operator safety, comfort and reduced fatigue:
 - Ergonomic cabin layout with a user friendly dual joystick control interface.
 - Comfortable suspension seat and adjustable arm rests.

Is fully compliant with the latest DMR requirements:

- Proximity Detection System (PDS) Level 9.
- Braking System (SANS 1589 : 1994)
- ROPS/FOPS certified canopies.

Has been commercially proven to have the lowest running costs:

- The hydrostatic traction control and 100% ground engagement results in a 40 - 60 % measured improved tyre life.
- The hydrostatic drive power transfer is more efficient and provides 15 - 20 % fuel saving per kW absorbed. This equates to lower emissions and substantial savings on ventilation costs.

And has a newly designed and tested advanced filtration system that ensures the optimal performance and reliability of the hydraulic system.

Furthermore the Rham UV 5000-C has:

Improved mean time to failure:

- Robust modular design. (+20 000 hours)
- Real Time Monitoring and 24H maintenance/after sales support.
- Industry proven components from reputable manufacturers.

Reduced mean time to repair:

- Easily interchangeable components with easy access from the top and sides of the machine.
- No specialised tools or highly skilled personnel required.
- Improved on-site efficiency through modular bolt on interfaces.

ENGINE OPTIONS

Engine Option 1 John Deere 4045TF250
85kW@2400 rpm

Air Filtration Donaldson Powercore

Exhaust System Purifier or Diluter

Alternative Engine Types and Exhaust filtration systems (DPM filters) can be fitted to meet your requirements

BRAKES

Oil Immersed Spring Applied Hydraulic Release Multi Disk Brakes on all 4 Wheels.

Integrated Park and Emergency Brake Certified to SANS 1589 : 1994

Advanced Friction Paper Discs for Optimal Braking Performance, Superior Energy Compatibility, Low Wear with extended Service Life.

OPERATORS CABIN

Ergonomically Designed ISO Certified Rops/Fops Cabin with No exposure to rotating Components for Safety.

Comfortable Suspension Seats with Arm Rests and Seat Belt to Reduce Strain on operator.

Latest Vision Technology and easy-to-use dual Joysticks for Trimming and Steering control.

Door Interlock Isolates all the Machines controls.

Simplified Non-Cluttered Display

HYDRAULICS

Variable Displacement Piston Pump for Trimming.

Load Sensing Pump for Auxiliary Functions.

All High Pressure Hoses are 4 Wire Braid Type with Safe Operating Pressures of 45 MPa.

Lower Pressure Hoses for the Auxiliary Functions are 2 Wire Braid Type with Safe Operating Pressures of 24 MPa

All Fittings and Adaptors are JIC Configuration for Lower Pressure Fittings and O-ring Manifold Blocks on the Main Pressure Trimming Circuits ORFS Fitting Options available on Request.

Newly designed hydraulic filtration system eliminates the risk of contaminants, increasing reliability.

CASSETTES

Easily interchangeable cassettes for ease of use.

General Purpose Cassette, Lubrication Cassette (Various Configurations) Scissor Lift Cassette Explosive Cassette Tipper Cassette Flat Bed Cassette Man Carrier Cassette

Custom made cassette options are available to suit customer needs.

DRIVETRAIN

Hydrostatic 4 Wheel Drive eliminates the need for Propshafts, Axles, etc. and allows more efficient power delivery to the wheels on all terrain.

Battery Power Pack Upgrade Option Available Compatible with the standard Machine Configuration

TYRES

Tyre Size 9R20 Mining Slick.

Foam Filled Compatible.

3 Piece Heavy Duty Rim.

Lock Ring faces inward for Added Safety.

STANDARD ELECTRICAL

Front and Rear LED Headlights.

Reverse Siren, Tram and Flashing Lights.

Lockable Main Power Isolator.

Emergency Stop Switches.

FLAMEPROOF

All electrical and mechanical components are certified according to international Flameproof Standard (IECEx).

CONTROL SYSTEMS

Comprehensive Engine Protection System with Air Filter and Machine Monitoring.

Real-Time Machine Data Monitoring Provides Live Data Streaming for Optimal Performance Management and Maintenance Planning.

Automatic or Manual Lubrication.

Fail Safe Braking Control (Hydraulic and Electric).

Automatic Range of Fire Suppression Systems.

OPTIONAL

Fire Extinguishers.

Metal Grid or Fully Enclosed Cabin.

Remote Control.

DOCUMENTS

Spare Parts Manual.

Maintenance and Repair Manual.

Operations and Risk Assessment.



TECHNICAL SPECIFICATIONS OF EQUIPMENT

POWER TRAIN

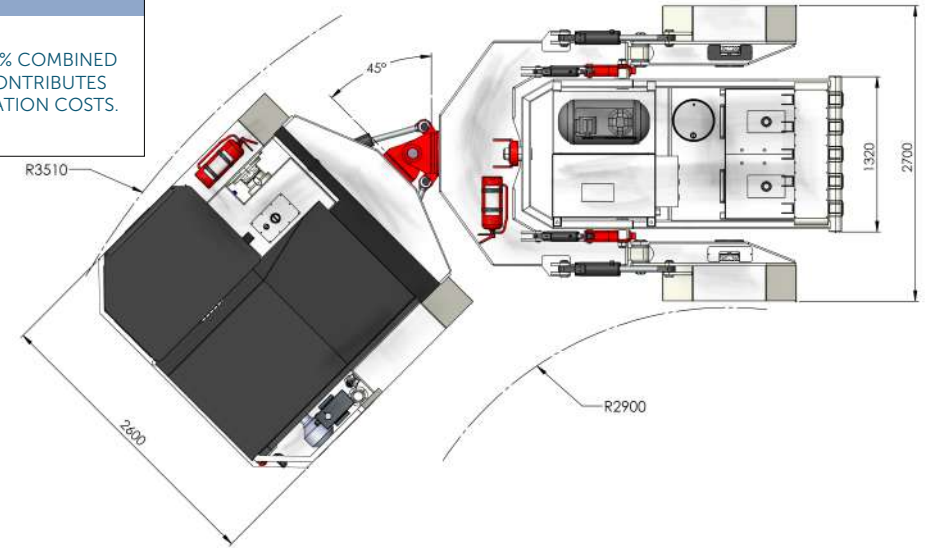
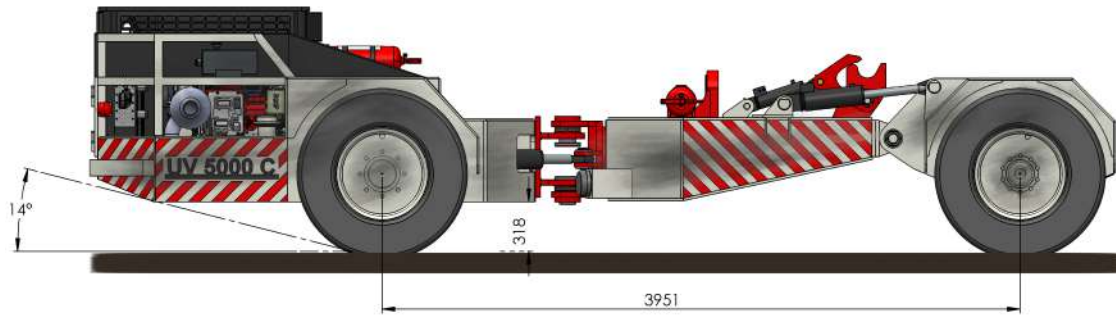
MULTIPLE DIESEL ENGINE TYPES AVAILABLE OR A BATTERY PACK CONVERSION KIT COMPATIBLE WITH EXISTING MACHINE CONFIGURATIONS.

WORK PLACE SAFETY

SAFEST MACHINE TO THE LATEST DMR STANDARDS ROPS/FOPS CERTIFIED OPERATOR CABIN, SANS 1589 BRAKING SYSTEM, LEVEL 9 PDS COMPLIANT AND DPM EXHAUST FILTRATION SYSTEM AVAILABLE.

LOWEST OPERATING COST

IMPROVED TYRE LIFE BY 40-60% COMBINED WITH 15-20% FUEL SAVING CONTRIBUTES TO HUGE SAVINGS ON VENTILATION COSTS.



REAL-TIME MACHINE DATA

PERFORMANCE MONITORING, SERVICE PLANNING, UTILISATION AND REMOTE MACHINE DIAGNOSTICS FROM ANYWHERE IN THE WORLD.

SERVICEABILITY

IMPROVED SAFETY AND DOWNTIME DUE TO ALL COMPONENTS BEING ACCESSIBLE FROM THE SIDE AND TOP WITH NO EXPOSURE TO ROTATING PARTS.

REPAIRABILITY

HARDENED STEEL PIN AND BUSH CONFIGURATION ELIMINATES THE NEED FOR ON-SITE LINE BORING. MODULAR BOLT ON COMPONENTS ENABLES QUICK TURN AROUND TIMES.

VERSATILITY

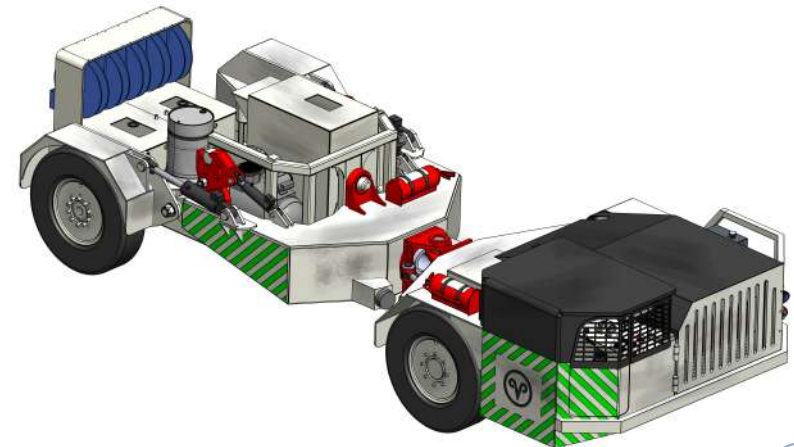
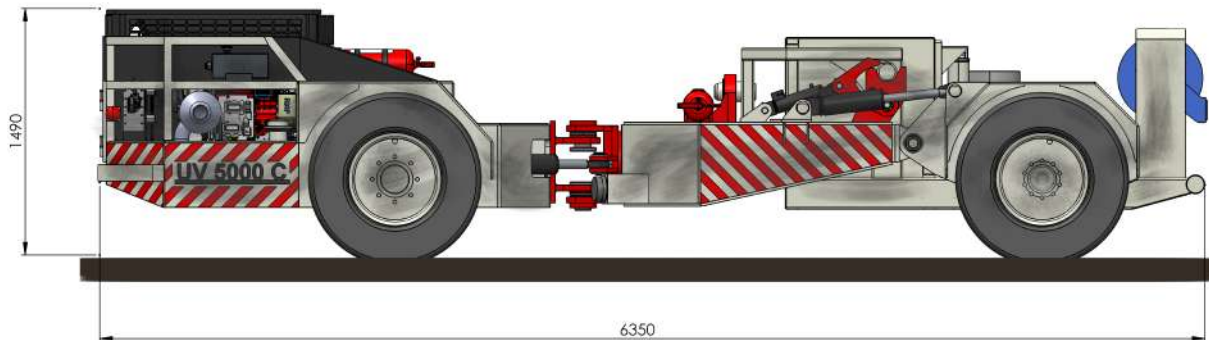
VARIOUS CASSETTE OPTIONS AND A QUICK CASSETTE LOADING SYSTEM MAKE THIS MACHINE SUITABLE FOR MULTIPLE APPLICATIONS UNDERGROUND.

IMPROVED RELIABILITY

A NEWLY DESIGNED FILTRATION SYSTEM WHICH ELIMINATES THE RISK OF CONTAMINATION WHILE EXTENDING THE HYDROSTATIC TRACTION SYSTEM'S WORKING LIFE.

MANOEUVRABILITY

INDEPENDENT WHEEL MOTOR DRIVE COMBINED WITH 45° ARTICULATION AND UNLIMITED OSCILLATION AT THE CENTRE SECTION PROVIDES A 100% GROUND ENGAGEMENT AT ALL TIMES.





A PARTNERSHIP WITH RHAM MEANS:

- A Mining Charter III Preferential Procurement & Supplier Enterprise Development Contributor.
- A B-BBEE Level 3 Contributor.
- Internationally accredited ISO 90001 Certified Quality Systems.
- Strategically located warehouses that ensures a 98% availability of critical parts.
- Tailor made products to suit your specific needs
- 40+ years of experience from a proudly South African OEM Supplier established in 1980.
- Safe durable products that can be fitted with the latest technologies (Industry 4.0).
- The shortest lead times on new machines, rebuilds and repairs.
- Reliable and proven product performance in all the mining sectors.
- Rental and Financing options available.
- 24 Hour Service and Technical Support.

CONTACT US

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