MAGNUM U72

Expertly designed for exceptional results across municipal, construction and road maintenance applications. **Assembled in the United States.**



BIG ON CAPACITY
BIG ON PERFORMANCE

SCARAB
FAYAT GROUP

SCARAB ◆ **Leave nothing behind**

MAGNUM U72



Heavy-duty pure vacuum sweeping solutions for any application.

The Magnum U72 has been expertly engineered to deliver unrivaled vacuum sweeping results across all heavy-duty sweeping applications. Available with Scarab's single-engine unidrive configuration, this powerful sweeper is suitable to be mounted to a chassis in the 33,000 to 40,000 lbs range.

The Magnum U72 is available with a 10yd3 hopper, offering a payload potential of up to 19,850 lbs, and can be fitted with a water capacity of up to 600 gallons. This makes the Magnum U72 the perfect solution for operators looking for exceptional performance and impressive on-task endurance.

ASSEMBLED IN THE USA

The Magnum U72 is assembled in the United States. Contact your local Scarab dealer to discuss chassis suitability and specification.





BIG ON CAPACITY
BIG ON PERFORMANCE

SIZE:	33,000 - 40,000 lbs GVW
SWEEPING SPEED:	0 - 20mph
HOPPER CAPACITY:	10 yd^3
WATER TANK:	475 - 660 gal
ENGINE:	Single Engine: Unidrive
TYPICAL PAYLOAD:	13,225 - 19,825 lbs
SWEEP WIDTH:	92" single / 126" dual

SCARAB is a global leader in the design and manufacture of truck-mounted road sweeping solutions. By combining this expertise, with the local knowledge of our North American-based business development team, SCARAB offers high-performance pure vacuum solutions to the United States.

LIFETIME HOPPER WARRANTY

The Magnum U72's hopper is completely manufactured from corrosion and abrasion-resistant 4003 stainless steel. The hopper is shot blasted, a two-pack epoxy primer is applied and a hard-wearing topcoat provides a premium finish. The particulate screening is hinged and swings down to provide access to the operator for cleaning.

Scarab offers a **lifetime warranty** on both the hopper and water tank of the Magnum U72 *(terms and conditions apply)*.



Shot blasting the stainless steel hopper



FLEXIBLE BROOM OPTIONS

The Magnum U72 is available in both **single** and **dual sweep**, covering an impressive 126" span when working with both side brooms deployed. The brooms can be used at variable speeds and the swiveling widesweep gives the operator complete control of sweeping functions.

The optional **third broom** increases sweep coverage and is perfect for tasks such as weed ripping, without having to use any harmful chemicals.

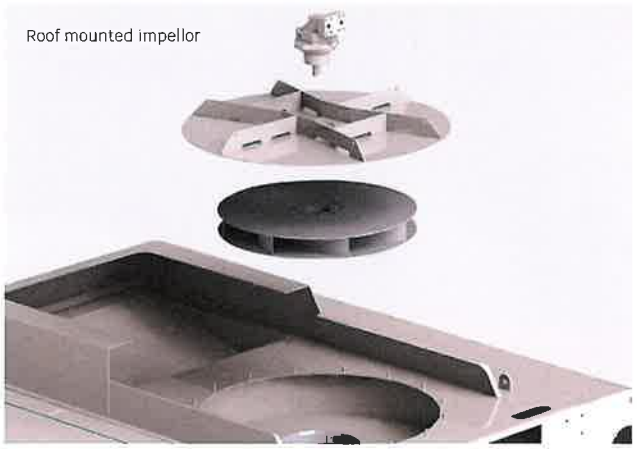


WHY PURE VACUUM?

Pure vacuum technology is by far the most popular solution for municipal and contractor operators around the world. This solution offers efficient sweeping, with minimal impact on the environment.

SCARAB has been delivering pure vacuum solutions for over 40 years. This system offers many benefits, including:

- Most reliable first pass performance, across any road surface.
- Scarab's roof-mounted impellor creates a short, efficient airflow path.
- Water is delivered across the machine to dampen debris and aid collection in the hopper.
- High-powered pure vacuum sweepers are the most effective at collecting pollutants before they enter stormwater. The configuration is the best suited for meeting the Municipal Separate Storm Sewer System (MS4) regulations.


Roof mounted impellor

POWER & CONTROL

SINGLE ENGINE, LOW EMISSION

SCARAB is the pioneer of the environmentally friendly single-engine truck-mounted sweeper and continues to lead the market in this field. As a result of the single engine system, the Magnum U72 benefits from:

- Easier to operate.
- Less noise and vibrations.
- Less space consuming componentry.
- Reduced fuel consumption and emissions.
- Less components to maintain.



INNOVATIVE UNIDRIVE CONFIGURATION

SCARAB's Unidrive solution uses a transmission Power Take-Off (PTO).

This set-up enables the fan and gear pumps to be configured onto a switchable PTO off the side of the gearbox to power sweeping functions.



The Magnum U72 control system manages engine speed to deliver optimal sweeping performance.

CANBUS CONTROL SYSTEM

Our intuitive CANbus control system and a color monitor provide extensive feedback to both the operator and service team.

The clear display indicates the sweeping configuration and vehicle condition - while also flagging warnings and service reminders. Our real-time monitoring and data logging provide assistance in troubleshooting technical problems and help keep your machine running at its most efficient.



KEEPING YOU ON THE ROAD

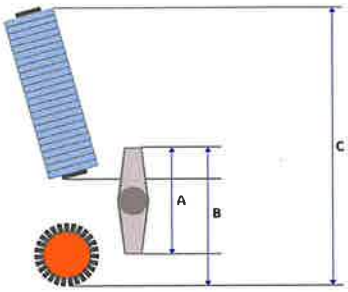
The best way to ensure your machine remains working in top condition is by always using **Genuine SCARAB Parts**.

With a high first time pick rate and **dedicated parts facility in the United States**, we'll have your parts to you as quickly as possible.

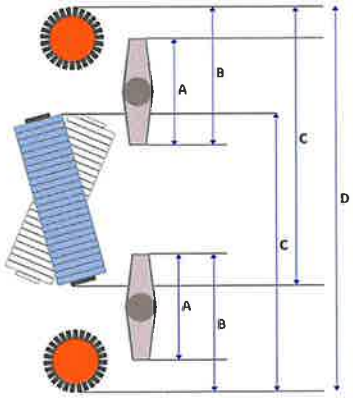
STANDARD FEATURES

SWEEPING WIDTHS (based on a typical 33,000 lbs GVW chassis)

SINGLE SWEEP



DUAL SWEEP



A Pick-up Head Only	29 inches
B Nozzle & Side Broom	45 inches
C Nozzle, Side Broom & Widesweep	93 inches
D Simultaneous Dual Sweep	126 inches

Slight variations to the foregoing dimensions can occur according to individual chassis specifications.

WEIGHTS AND DIMENSIONS

TYPICAL PAYLOAD POTENTIAL

Standard Specification

13,225 - 19,825 lbs

TYPICAL DIMENSIONAL DATA

Length Overall	240 inches
Wheelbase	143 - 154 inches
Width Overall	95 inches
Overall Height	Hopper Lowered: 128 inches Hopper Raised: 197 inches

CAPACITIES

Hoppers*	Voided Volume: 10yd³ Payload Volume: 8.5yd³
Water tank**	475 - 660 gal

* Calculated in accordance with European Standard EN15429

** The option of an additional water tank is available subject to chassis selected





OPTIONS

PLEASE CONTACT YOUR LOCAL SCARAB DEALER FOR OPTION SUITABILITY







*Some options listed are chassis dependent

WATER

- High-pressure/high volume pump with hand lance and self-retracting hose reel
- Overhead mounted high-pressure water boom
- Additional dust suppression for suction nozzles (A 4-jet water-boost bar in front of the nozzle)
- Additional dust suppression for suction tubes (four additional jets at the top of the suction tube)
- Detergent injection kit for use with the hand lance on difficult cleaning operations
- Hydrant standpipe, key and 3 metres of 2 inch lay-flat hose for on-task replenishment of water
- Simultaneous wash & sweep facility

BROOMS

- Dual sweep (a second channel broom on opposite side of the sweeper + swivelling widesweep)
- Simultaneous dual sweep (both channel brooms and widesweep operate together)
- Auxiliary channel broom fitted ahead of standard broom on a sliding/ swing-out mount
- Adjustable pressure control for channel brooms and widesweep
- Tilting broom
- Vari broom (variable in/out broom control)

SUCTION SYSTEM

- Rear-mounted swing-out wander boom
- Overhead-mounted wander boom
- Door-mounted wander hose

MISCELLANEOUS

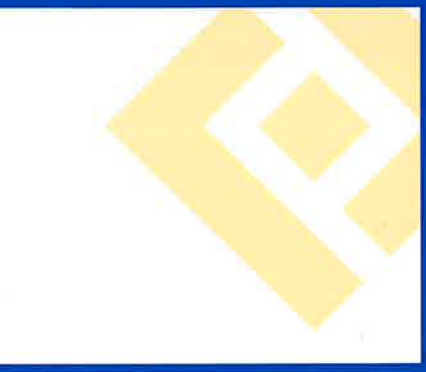
- CCTV camera to offside broom and/or rear of vehicle
- Centralized lubrication system (either manual or automatic)
- Alternative or additional beacons





MAGNUM U72

Dealer



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