



SCARAB SWEEPERS

SWEEPERS THAT DON'T COST THE EARTH



SCARAB MERLIN *XP*

HEAVY DUTY TRUCK MOUNTED SWEEPER

The introduction of the Scarab Merlin *XP* model has been specifically designed to maximise the payload potential of the 7.5 tonne class sweeper, which remains justly popular amongst municipal operators. Maintaining a viable payload to GVW ratio is vital to productivity and, in the final analysis, value for money and this is where the Scarab Merlin *XP* comes in, making a nonsense of rival claims and delivering a real performance advantage to the cost-conscious operator. The additional weight penalty imposed by the latest engine technology means that the Merlin *XP* now makes even more sense, achieving more than a half tonne (550 kg) advantage over competitors' equivalent equipment.

SCARAB MERLIN XP

TOUGH ON THE STREET - EASY ON THE ENVIRONMENT



The Merlin XP has been specifically designed to coincide with the introduction of the next generation of heavier Euro 4 chassis and continue to meet the demands of municipal operators in retaining non HGV drivers. The Scarab hydrostatic drive system ensures "payloads" for the MERLIN XP heavy duty truck mounted sweeper will remain the maximum achievable in its class, retaining all the impressive attributes of its Scarab pedigree.

The green and efficient single engine design gives you great reliability, durability, lower emissions and lower fuel costs along with the largest payload on a 7.5 tonne GVW chassis. The stainless steel hopper is both corrosion and abrasion resistant and equipped with large access doors either side to load large debris and rubbish sacks by hand.

A water tank of 900 litre gross capacity on the Merlin XP is very handy when utilizing the Powerful High Pressure Water systems and the Low Pressure Dust Suppression, giving an even cleaner sweep as well as allowing an attachment for a high pressure hand lance to clean road signs, graffiti etc. A powerful 4 metre suction wand hose is also supplied to remove rubbish and debris from awkward to reach areas such as litter bins and gully pots.

All sweeper controls are mounted on a neat CANbus control console which has clearly marked backlit symbols to identify sweeper functions as well as a backlit LCD screen giving current operating status. CANbus also has the ability to carry out certain self-diagnosis functions and to log operational data greatly simplifying fault finding and rectification.

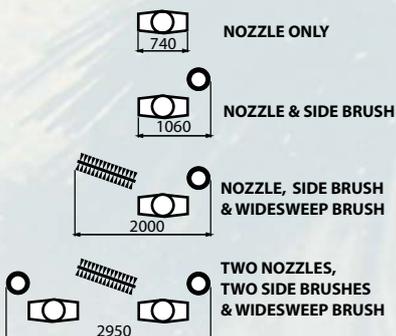
By having only one engine, which is tested to the latest emission legislation, the Merlin XP benefits from REDUCED EXHAUST POLLUTION and with only one engine to operate allows for REDUCED FUEL CONSUMPTION, making it one of the most environmentally friendly truck-mounted road sweepers ever built.

MERLIN XP KEY FEATURES

Hopper Construction	Stainless Steel
Gross Hopper Volume	5.5 m ³
Payload Dual Sweep (Full Spec)*	2008 kg
Payload Single Sweep (Full Spec)*	2168 kg
Chassis GVW	7.5 tonne
Wander Hose	4 Metre
Dust Suppression	Fitted to all brushes/suction boxes
Sweep Width	2950 mm (Dual Sweep)
Gross Water Tank	900 Litres
Suction Fan	900 mm dia

*Based on DAF LF45

SWEEP WIDTHS STANDARD



DRIVE SYSTEMS AVAILABLE

HYDROSTATIC: Clutchless single-pedal sweeping for superb low-speed control of forward, reverse and braking. Key benefits include greatly reduced clutch and transmission wear, greener and more cost effective performance. Transmission reverts to direct mode, for normal driving, at the "touch of a switch."

UNIDRIVE: Not just a direct drive sweeping system. Scarab Unidrive retains all the key environmental /operating benefits associated with Scarab sweepers. For chassis with 5/6-speed transmissions, a Scarab reduction box can be installed in the drive line, to give the Merlin the widest range of sweeping speeds available on a truck mounted sweeper.

OPTIONS

- Dual Sweep with Swivel Wide Sweep
- High Pressure Street-wash Pump
- Simultaneous Sweep and Wash capability
- High Pressure Lance with 13 metre Hose
- Detergent Injection Kit for Lance
- Additional Dust Suppression Measures
- Hydrant, Standpipe, Key & 3 metre hose
- Camera Systems
- Rear-mounted Overhead Boom
- Pressure Control for all Brushes
- Hand Wash Basin
- Centralised and Automatic Lubrication