

## Press release

Niederweningen, 30 September 2010

### **Bucher Schörling's new generation 6 m<sup>3</sup> truck mounted sweeper: built for strong suction performance and versatility, the CityFant 6000 truck mounted sweeper offers cutting-edge solutions for efficient street cleaning**

**The CityFant 6000 carries on the tradition of the proven Bucher Schörling CityFant Series, now in its fourth generation. With their superb build quality using tried-and-tested materials and components, these machines ensure reliability and long service life. The CityFant 6000 has been designed for ease of use, environmental compatibility and sustainability, complying with all relevant and current legislation, standards and emission requirements.**

The hallmarks of this new generation of sweepers are strong suction performance with low noise operation, robust construction, high productivity and cost-effectiveness, easy servicing and maintenance, combined with the outstanding reliability for which Bucher Schörling sweepers are renowned.

Depending on each customer's requirements and application needs, the sweeper unit can be powered by a separate drive engine or by hydraulic power transmission, PTO-driven from the chassis engine. As standard, the CityFant 6000 features a powerful John Deere water-cooled, turbocharged diesel engine rated at 63 kW/85 hp. Customers also have the option of choosing an 86 kW John Deere engine delivering optimum suction power in even the most demanding working conditions. As before, Mercedes-Benz diesel engines with power outputs of either 75 kW or 90 kW are available as an alternative for powering the sweeper unit. For

configurations powered by the chassis engine rather than an auxiliary engine, customers can choose between a fully hydraulic (hydrostatic) and a semi-hydraulic version.

Incorporated as standard, the 150 litre fuel tank for the auxiliary engine ensures long on-station sweeping time without interruption, thereby increasing productivity and cost-effectiveness. In addition, it reduces the assembly work required to mount the sweeper body on commercial chassis.

Engineered for durability on leading arm suspension, the Bucher Schörling sweep gear offers the same excellent robustness and low wear properties that users of the predecessor CityFant Series already appreciate. In normal sweeping mode, the CityFant 6000 sweeps a path up to 2,300 mm wide. The channel brushes, 700 mm in diameter, can be pneumatically controlled independently of each other. In a dual sweep configuration, the sweep gear on both sides can also operate simultaneously, making the CityFant 6000 even more versatile. With infinitely variable speed control, the channel brushes and wide sweep brush can be adjusted for the most effective cleaning in different soiling conditions. As an option, the suction nozzle can be fitted with a bulk debris flap for picking up leaves or larger objects. Added to that, the flexible suction hose with a diameter of 250 mm is also designed to avoid problems when ingesting larger objects, such as PET bottles.

Boasting a gross volume of 6 m<sup>3</sup> according to EN 15429-1, the hopper is constructed entirely from corrosion resistant chromium steel, except for the hopper floor which is made of 3 mm thick 1.4301 (V2A) stainless steel as standard. The large rear door opens wide to a maximum angle of 120° for full and fast load discharge. Tipping is controlled from inside the cab or using a remote control, keeping the operator well out of harm's way during dumping.

The heart of the dust control water system is an extra large 1,900 litre water tank, also constructed from corrosion resistant chromium steel as standard. An optional water recirculation system integrated in the hopper allows the supply of water to be used even more efficiently. By recycling excess water, this environmentally friendly system reduces the

volume of waste and also makes the load easier to dump because much of the water has been removed. With these features, the new CityFant 6000 is easily capable of working without interruption for long periods on heavily soiled roads. But that's not all: the water system can be expanded by adding a front spray bar, a 100 bar high pressure washing system or an extra misting system for PM 10 dust suppression, which can be factory fitted on request.

The sweeper is controlled using the new PSS (Power Sweep System) with a completely redesigned control console. Key control functions for sweeping are operated via an additional control unit with a joystick fitted on the right-hand driver's door. All controls and instruments are clearly and ergonomically arranged. The system consists of a centre console with a large colour flat-screen display for monitoring the machine as well as for controlling additional functions. This displays a wealth of information on the operating status, which can be read accurately at a glance.

With this system, the new CityFant offers maximum ease of operation. The ergonomically positioned controls put all sweeping functions at the operator's fingertips, eliminating fatigue even over long working periods.

The water supply is controlled by electric solenoid valves so no water pipes run through the interior of the cab. As an option, the water flow can also be controlled by mechanical valves inside the cab in the conventional manner.

A wide array of accessories and options offers solutions for a huge variety of sweeping applications, making the new CityFant 6000 a truly versatile and extremely economical multitasker. Special features like interchangeable bodies or track cleaning equipment are also available.

As different tasks also require carrier vehicles that meet different specifications, the CityFant 6000 can be mounted on chassis currently offered by many manufacturers.

### **About Bucher Schörling**

Bucher Schörling ([www.bucherschoerling.com](http://www.bucherschoerling.com)) is a unit of Bucher Municipal, one of five divisions making up the Bucher Group, and is a world leading manufacturer of municipal vehicles for efficiently cleaning public and private thoroughfares. Backed by a global network of proprietary sales organisations and distributors, Bucher Schörling is always close at hand to provide the ultimate in customer service.

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