

## Press release

Niederweningen, 20 January 2010

### **Brand new from Bucher Schörling**

### **CityCat 1000 compact sweeper for all sweeping jobs in confined areas**

**Bucher Schörling is launching the new CityCat 1000 compact sweeper as a perfect addition at the lower end of its wide range of efficient, professional and proven sweepers. Like all the larger models, the CityCat 1000 is particularly robustly built, safe and reliable in operation.**

The CityCat 1000 is powered by an environmentally friendly, low-emission 3-cylinder diesel engine and comes either with front-wheel steering or optionally with four-wheel steering for maximum manoeuvrability and directional stability. With its slender frame, the machine is ideal for operating in even the tightest of spaces. Its superb agility has always been a hallmark of Bucher Schörling sweepers, as is its premium Swiss quality.

#### **Proven, powerful drive system**

With its overall height of less than two metres and a machine width of barely more than one metre, the CityCat 1000 is the ideal sweeper for all confined spaces and areas with limited access. It is the perfect solution for sweeping larger premises, car parks, shopping centres, factory sites and housing estates. Needless to say, another of its strengths is cleaning urban environments with cramped pavements and narrowed streets like those in traffic-calmed residential areas.

Infinitely variable hydrostatic transmission allows easy and comfortable handling. When in reverse, the suction nozzle is raised automatically to prevent impact damage. The on-board hydraulic system for the sweep gear and hydraulic cylinders is powered by two pumps: one hydraulic pump for the suction fan in the hopper and another for the steering system, brushes and all hydraulic cylinders. The Deutz diesel engine boasting an output of 32 kW/43 HP, with

a long track record of successful use in a variety of construction, agricultural and municipal machinery, delivers more than enough power, even under heavy loads. It is cooled with engine oil (no radiator = no anti-freeze).

Two large leading brushes, each with a diameter of 700 mm and hydraulic brush pressure adjustment, sweep a path up to 2,200 mm wide. Both the brushes are mounted on robust arms, designed kinematically to allow independent brush control and let the brushes swing out of the way of obstacles on encountering too much resistance. The brush speed is infinitely variable. The suction system works on the same principle as on the machine's bigger sister, the CityCat 2020: debris is first dampened down by water spray jets to suppress dust and then swept towards the centre by the brushes, where it is picked up by the suction nozzle underneath the front axle and conveyed to the tilting 1 m<sup>3</sup> hopper constructed of stainless chromium steel. Supported by castor wheels, the suction nozzle is located between the front wheels and also fitted with water spray jets. It can be raised hydraulically in increments at the touch of a button and has a special mounting allowing it to ride over obstacles without damage to the nozzle. With its powerful suction, the fan is designed to pick up even heavy dirt and debris effortlessly without substantial noise emissions.

Two polyethylene tanks over the rear axle hold clean water. An electric pump supplies water to the suction nozzle and water spray jets on the brushes. A special construction ensures that dirty water remains in the recycled water tank during tipping. This integrated water recirculation system results in drier loads and increases the supply of water for sweeping, thereby extending on-station time.

**Excellent ride comfort**

The chassis consists of a welded frame with sprung axles, the front axle being fitted with coil springs and shock absorbers and the rear axle with double cone springs. Optimum front axle load distribution ensures safety even when performing complex manoeuvres, such as mounting and dismounting kerbs and operating on slopes.

The soundproofed cab resiliently mounted on hydraulic mounts gives the operator plenty of room and comfort. No hydraulic or water hoses run through the interior, with the added benefit of minimising noise build-up. The generously sized windscreen is made of heat-insulating, low-reflection safety glass with integrated heating. Sliding windows in the doors and a multi-stage heater/ventilation fan provide optimum climate control. Both the steering column and air suspension driver's seat are adjustable, with clearly and ergonomically arranged controls and instrumentation within easy reach. Simple one-button control is provided for raising and lowering the suction nozzle, while two joysticks control the movements of the two independent brushes. The user-friendly, ergonomic controls combine with the fully sprung chassis for excellent driving comfort, eliminating fatigue even over longer operating periods. Heated rear view mirrors fitted as standard and roof-mounted work lights top off the comprehensive features incorporated in this ergonomic cab.

The CityCat 1000 is incredibly simple and convenient to maintain and service. All the engine components are clearly arranged, with quick access provided by easy-to-open service panels featuring magnetic closures. Superior ease of maintenance is just one more aspect that makes this sweeper a truly professional machine.

But that's not all: the CityCat 1000 can also be customised with a large array of accessories to meet each operator's specific needs. Rotating beacons, a wanderhose, CD radio, air conditioning, reversing camera, high pressure lance, washdown hose, snow plough or salt spreader – all these options are part of the wide range offered by Bucher Schörling.

This sweeper promises to gain a rapid foothold, not just in the European markets.

### **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 and removing snow from 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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