

**1291-9000****Document:****Revision: B****Road Sweeper Body****Bucher Schörling, Type OptiFant70****- version with conventional control system and BS instrument panel****General**

For mounting onto a commercial municipality -or rather tipper chassis, weight from 18t on, with minimum 3.600 mm wheelbase, according to Bucher Schörling specification

**Basic Standard Equipment****1.0 Chassis**

- 1.1 Chassis modifications (extra charge, so far as not carried out by the chassis supplier, according to chassis specification and clearance data)
- 1.2 overload indicator for rear axle (except air-suspended vehicles)
- 1.4 lateral underride protection, left-hand side (only for versions with one pick-up device)

**2.0 Instrument panel and control unit (driver's cabin)**

- 2.1.3 BUCHER-SCHÖRLING control unit, conventional
- 2.3 4 adjusting valves for water system, manual in-cab control for suction nozzle, gutter broom, main broom, front bumper bar (2 water jets)
- 2.4 ground-pressure adjustment by fine adjusting valve for gutter broom, cab-controlled
- 2.6 lifting / lowering of hopper, unlocking of safety bar and opening of hopper door remote-controlled from driver's cab

**3.0 Engine-exhauster unit**

- 3.3.1 Auxiliary engine type Mercedes-Benz type OM 904 LA, 4-cylinder Eurmot IIIA, 75 kW, exhaust system in vertical position incl. flap
- 3.9 electrically stepless exhauster speed adjustment
- 3.10 hydraulic exhauster drive
- 3.11 hydraulic oil tank 50 L
- 3.12 hydraulic pump for broom drive
- 3.14 pneumatic maintenance unit
- 3.21 exhauster HRV, minimized noise level, wear resistant execution (Hardox) of impeller, one-piece housing with two bearings

**5.0 Hopper**

- 5.6 Hopper capacity approx 7 m<sup>3</sup>
- 5.13 integrated dirt chute made of chrome-alloyed stainless steel (1.4301)
- 5.19 Hopper bottom made of chrome-alloyed stainless steel (1.4301)
- 5.20 hopper interior coated with protective paint (except parts made of chrome-alloyed stainless steel)
- 5.24 Actual tipping angle approx 60 °
- 5.25 superstructure at carrier equipped with combined air guidance
- 5.26 inspection flap on the lateral right-hand side, including steps and handle
- 5.27 Hopper tipping device actuated through electro-hydraulic pump including telescopic cylinder

- 5.31 one-step safety bar for hopper , automatic snap during tipping operation
- 5.39 unlocking of safety bar, pneumatically
- 5.33 air-guide strainer pneumatically hinged
- 5.36 air-slide valve on suction hose, incl. 2 pneumatic cylinders
- 5.41 hopper drain device 4" (A-coupling) with dirt water strainer, mounted at tail gate
- 5.43 hardly inflammable noise-absorbing material in engine compartment
- 5.45 2 rotating warning beacons, 1 each mounted at the front and at the rear, on top of the dirt container
- 5.46 rear clearance lamps on top, red

## **6.0 Water system**

- 6.4 water tank capacity approx 1.500 L
- 6.11 water tank made of chrome-alloyed stainless steel (1.4301)
- 6.12 water fill device Storz C (2"), right-hand side
- 6.16 water tank drain device with cock 1 1/2 "
- 6.17 spray water connection 3/4"
- 6.22 water pump, hydraulically driven, switch-off possible
- 6.24.1 automatic water stop when lifting sweep devices and at water shortage
- 6.27 water level indication in driver´s cab, electrically

## **7.0 Dirt pick-up**

- 7.1.3 dirt pick-up, right-hand side, wear resistant, coated with noise absorbing material
- 7.9 suction hose dia. 250 mm
- 7.11 gutter broom, pushed version, pneumatically lifted as far as dirt pick-up device, automatically locking in lifted position
- 7.14 broom dia. 700 mm
- 7.15 broom with steel bristles
- 7.16 broom driven by hydraulic motor
- 7.19 2-step speed adjustment for gutter broom
- 7.21 coarse debris pick-up by means of suction mouth tipping, pneumatically
- 7.24 rubber apron to limit the dirt projection
- 7.25 2 support wheels with solid tyres, manually height adjustment
- 7.27 working spot light for sweeping device
- 7.28 automatic lifting of sweep devices at reverse

## **8.0 Main broom**

- 8.1 rigid broom suspension, pushed version
- 8.4 broom length 1.500 mm, broom diameter 350 mm, perlon bristles
- 8.6 broom driven by hydraulic motor (main broom)
- 8.7 rubber apron vertically adjustable

## **9.0 Painting**

- 9.1 hopper exterior RAL 2011 (orange) or 9010 (white)
- 9.5 support or auxiliary frame zinc-plated
- 9.8 dirt pick-up device RAL 7043 (traffic grey B)
- 9.10 main broom RAL 7043 (traffic grey B)

Remark: The chassis frame will not be painted. Different painting against extra charge.

## **10.0 Sweeper body accessories**

- 10.1 safety marking red/white according to DIN 30710, on reflecting foil
- 10.2 Scraper
- 10.3 water-filling hose, Storz C (2"), 3 m long
- 10.4 wheel chock

***Subject to modification for the purpose of product improvement.***