

## NEWS

CM 2022-28<sub>DE</sub>OH/oh

03.11.2022 / 24.11.22



## CM 1650 Diesel – Software update with functional changes / extensions

Dear Ladies and Sirs,

We inform you about functional changes in the next available software update for the Citymaster 1650 Diesel.

The current software version is accompanied by the following functionally relevant changes:

- a) Introduction of the "Fast Winter Service" (FWS) function
- b) Change of fan control for 2-/3-broom sweeping system
- c) Changes in driving control to improve starting-off/acceleration behavior  
(without further reference in this circular).

### **Fast Winter Service (FWS):**

The previous and retained "Winter Service" function includes the following functions:

- Allow the front lift with lifting/lowering at all driving speeds

Otherwise, the functions and limitations of the working driving mode apply (working drives available, driving speed limited to speed level 1).

### **NEW: Function "Fast winter service":**

- Drive level 2 is released, depending on the requirements via accelerator pedal, the machine can drive up to 40 km/h fast (Vmax in the FWS can be configured via service computer).
- Release of the front lift for lifting/lowering at all driving speeds
- Release of the rear working circuit for e.g. the spreader drive
- Stop of the front working circuit (it makes no sense to drive faster than 15 km/h with a front sweeper, if this unit is desired, please use the setting "Winter service standard (turtle)")
- The function remains active even after the machine is switched off
- The "Fast Winter Service" function is automatically deactivated when an attachment has been changed. Reactivate if necessary

**Menu guide and symbols FWS:**



C-Menu winter configuration, 3 selections: OFF, Standard (turtle), Fast (rabbit)

If the winter service function is active, the selected variant is displayed with the operating status Transport Mode / Work Mode.

**Fan operation:**

In order to standardize and simplify operation in the Citymaster 1650 series, the operating concept for fan control is also adopted for the diesel machine following positive feedback from the 1650ZE. In addition to "OFF", 3 fan stages (ECO, STANDARD, BOOST) will be available in the future. The infinitely variable controllability is omitted in favor of 3 clear operating points. The BOOST operation is available unlimited in the diesel as a 3rd power level. The 3-stage fan speed adjustment is also accompanied by an automatic adjustment of the diesel speed. The operator determines the power requirement for the suction fan and the diesel automatically provides the required engine speed. This increases ease of use and at the same time prevents the operator from burning fuel unnecessarily or causing noise at high diesel speeds.

**Mnu guide and symbols fan control:**



B-Menu fan control (OFF, 3 stages), ECO (fan stage 1 at Diesel 1.600 U/min), STANDARD, BOOST (fan stages 2+3 at Diesel 2.000 U/min).

**Advice:** If an increased driving requirement occurs in ECO mode (steep incline), additional power can be requested via the engine speed adjustment. The fan speed increases automatically due to the given control. After the end of the additional requirements, it should therefore be reduced again.

The function of the speed control for uncoded attachments as well as for the functions "City Cleaner" and "Mower-Suction Combination" have not been changed.

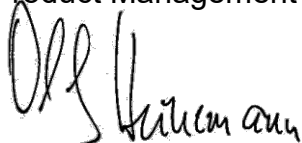
The owner's manual has been updated and will be included with new vehicles.

It is not possible to decline portions of this software update at this time. From our point of view, it is not very expedient to keep a wide variety of functions available indefinitely at the customer's request. We strive for uniform operating environments.

We therefore ask the service organization in particular to explain the changed scope of functions and to hand it over to the customer properly.

Kind regards

Product Management Municipal Technology



(i.A. Dr. Olaf Heinemann)