

Operations of Automatic Unit Durasweeper ST-200A

Durasweeper ST-200A is our premium level of automation. This system decreases the time it takes to clear trucks & trailers or any other commercial vehicles, reduces personnel on site, and ensures that the brush always returns to proper safe height for the next driver. Unit is able to handle obstacles on the roof for up to 30 cm in height without damaging, for example air conditioner, spoilers or other extra equipment on top.

Operating the unit:

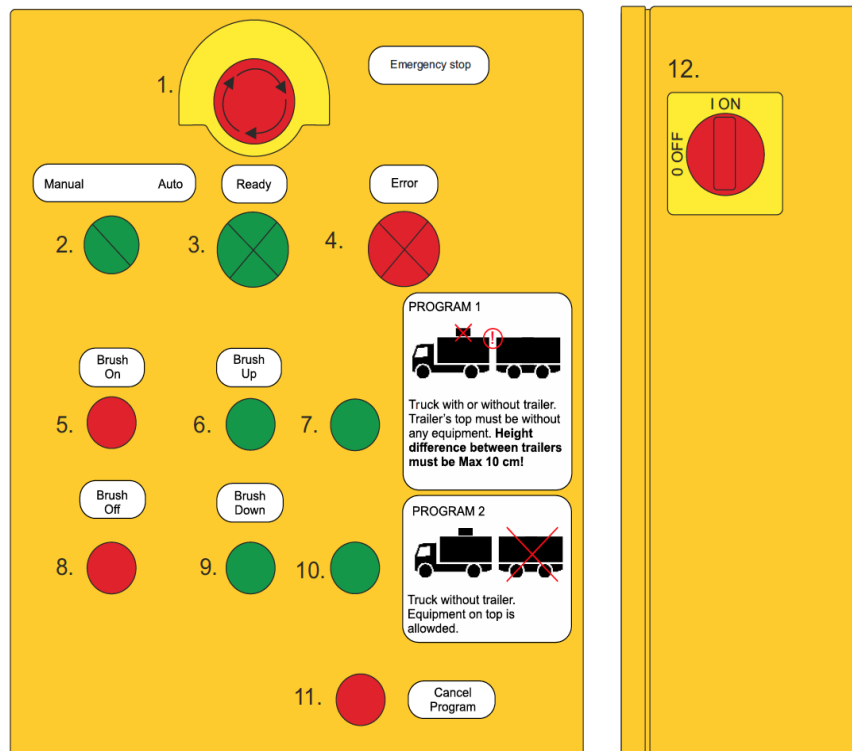
The system is controlled via computerized control panel. This panel controls brush system.

Durasweeper ST-200A has three (3) control modes:

- manual and
- two automatic

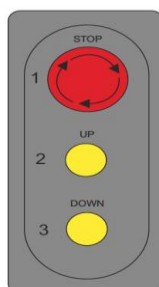
Automatic Program No. 1 (Flat surface program). Fixed height. Vehicle with an equal rooftop with or without the second trailer.

Automatic Program No. 2 (Adaptive brush program) Constantly height adaptive brush. Vehicle with equal or not equal rooftop without the second trailer.



Remote control

1. Brush moves up
2. Brush moves down
3. Emergency stop



Numbers indicate what each button is for:

1. Emergency stop
2. Manual or auto mode
3. Light indicates that brush is ready for use
4. Light indicates error
5. Turns brush on
6. Levels brush up
7. Cleaning PROGRAM 1
8. Levels brush down
9. Turns brush off
10. Cleaning PROGRAM 2
11. Cancels program
12. General ON/OFF

DURASWEEPER ST- 200

TECHNICAL SPECIFICATIONS



Feature	Electric Durasweeper	Units
Unit height	6293	mm
Unit width	9508	mm
Unit inner width	3741	mm
Unit length	3784	mm
Frame weight	1554	kg
Total weight	2200	kg
Input power	400 V, three-phase, 50 Hz	V, Hz
Max. working height	5405	mm
Min. working height	416	mm
Max. truck width	3000	mm
Brush segment diameter	800	mm
Brush material	Polypropylene (blue)	N/A
Brush segment length	1200 (x3)	mm
Brush segment weight	40 (x3)	kg
Average snow removal time	0.45 (for 13.6 m truck length)	min
Recommended vehicle speed	3	km/h
Unit structure	Stainless Steel 1.4301 (AISI 304)	N/A
Structure finish	Powder Coat	N/A
Concrete pad	See provided foundation plan	N/A
Hardware	Assembly Hardware and Wedge Anchors Provided	
Levering dispersion sound pressure scale in working place	71.5	dBA

Maximum brush working height (max truck height) - 5405 mm.
Maximum truck width – 3000mm.
Minimum brush working height -416 mm.

