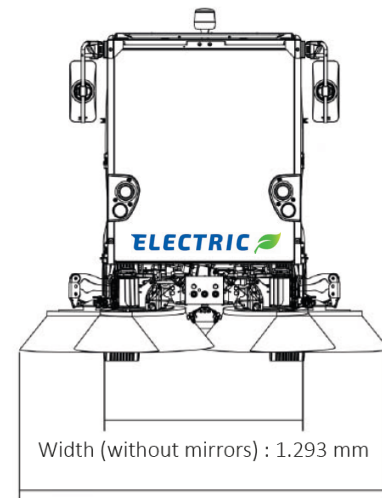
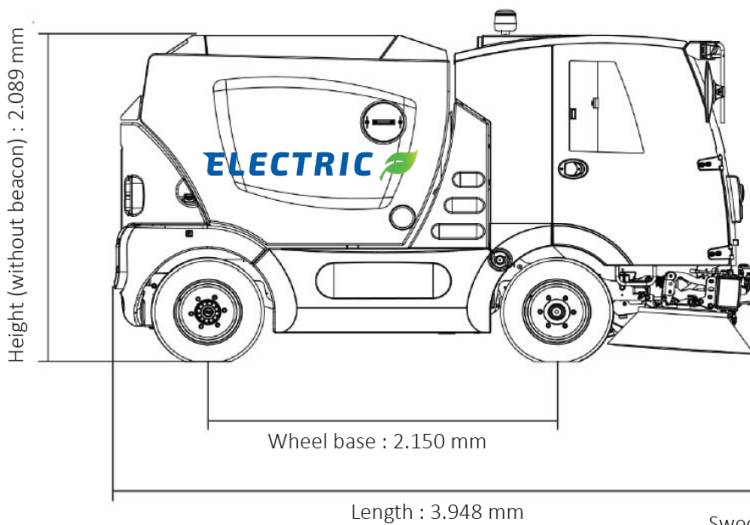


Type 2 eSeries S
 Subject Technical and performance datas

Date 25.04.2022
 Version 2eSeries-S-2022-001
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01_ General Characteristics

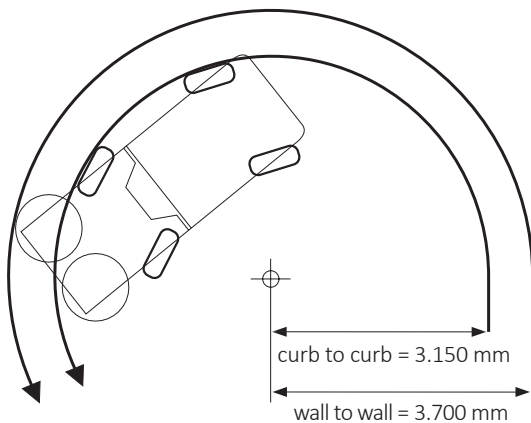
1.1. Dimensions



Sweeping width : 1.650 mm - 2.000 mm (EN15429-1) - 2.400 mm
 With 3rd brush : 2.900 mm

1.2. Steering

2 or 4 wheels steer with automatic realignment of rear axle in transit.
 Turning radius in wheels steer



1.6. Tyres

Front 225/65 R16 C
 Rear 225/65 R16 C

1.7. Suspensions

Front and rear Leaf springs

1.3. Weight

| | |
|-----------------------------------|-------|
| Tare weight (without option) (kg) | 4.000 |
| GVW (kg) | 5.300 |
| Maximum weight on front axle (kg) | 2.750 |
| Maximum weight on rear axle (kg) | 2.750 |

1.4. Speeds

| | |
|--------------------------|-------------------------|
| Transit mode speed (kph) | 25 |
| Work speed (kph) | 0 - 15 (0 - 7 optional) |
| Gradeability (%) | upto 28 % |

1.5. Brakes

| | |
|-------|--------------------------------------|
| Front | Disc brakes with dual braking system |
| Rear | Disc brakes |

02_ Motor and drive system

2.1. Battery

| | | |
|---------------------|-------------------------------|-------------------------------|
| Battery type | NMC (Nickel-Manganese-Cobalt) | NMC (Nickel-Manganese-Cobalt) |
| Capacity | 48 kW/h | 64 kW/h |
| Nominal voltage | 96 V | 96 V |
| Performance | Completes a full working day* | |
| Warranty | 3 years or 3000 cycles | |
| Emission level | Zero | |
| Max. torque / power | 550 Nm / 40 kW (nominal) | |

2.2. Charging system

| | | |
|------------------------------|------------------------|-----------------|
| Charger | 6 kW | 18 kW |
| Electrical network | Three-phase | Three-phase |
| Charging times (48 kW/64 kW) | 8h / 10h30 | 2h35 / 3h30 |
| Charger type | Type 2 - (CEI 62196-2) | 32 A Tetrapolar |
| Charger location | Internal | External |

*Depending on the user profile / charge usage / according to standard 15429-1

03_ Work performances

3.1 Sweeping System

| | |
|----------------------------|--|
| Sweeping width (mm) | 1.650 - 2.000 (EN15429-1) - 2.400 (2.900 with optional 3rd brush) |
| Number of brushes | 2 or 3 (FLEX option) |
| 2 brush sweeping system | Standard integrated Push&Pull system (PPS) |
| Control of the brushes | Joystick |
| Brush diameter (mm) | 900 (750 for weedcutting brush) |
| Brush rotation speed (rpm) | Adjustable up to 120 (190 for 3rd brush) |

3.2. Waste Hopper

| | |
|-------------------------------|----------------------|
| Material | 4016 stainless steel |
| Gross volume (EN15429-1) (m³) | 1,83 |
| Dumping height (mm) | 1.400 |

3.4. Additional working systems

| | |
|-------------------------------------|---|
| Hopper lifting | Automatic safety crutch (option) |
| Door open, driver absent | Safety door open by stopping the working elements |
| Filling wetting and filtering tanks | Right/left filling by filtration system that protects the tanks from impurities |

3.3. Suction System

| | |
|-------------------------------|---|
| Suction nozzle dimension (mm) | 540 x 200 |
| Material | Stainless steel 4301 and CREUSABRO reinforcements |
| Suction tube diameter (mm) | 250 |
| Suction tube material | Treated polyurethane |
| Blower capacity (m³/h) | 13.000 |

04_ Well-being

4.2. Sound emissions

| | |
|--------------------|------------------------------------|
| Acoustic power LWA | 65.9 dB (cabin) 97 dB (outside) |
|--------------------|------------------------------------|

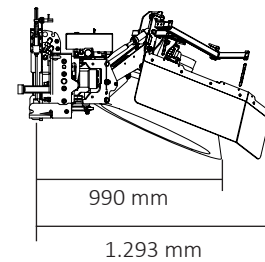
4.2. Vibrations

| | |
|------------------------------------|-----------------------------------|
| Entire body (seat) (awzs) | don't exceed 0,5 m/s ² |
| Upper limbs (steering wheel) (ahv) | don't exceed 2,5 m/s ² |

05_ FLEX Tools

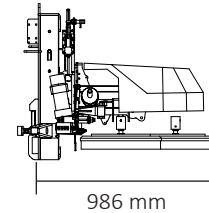
5.1. Third brush

| | |
|------------------------------|---------------------------------|
| Sweeping width (mm) | Up to 2.900 |
| Brushes diameter (mm) | 900 (750 for weedcutting brush) |
| Brushes rotation speed (rpm) | 190 |
| Sweep rate/output (m2/h) | 40.500 (theoretical max.) |



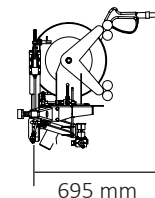
5.2. Scrubbing unit

| | |
|--|-------------------------------|
| Work width (mm) | 1.515 |
| Brushes diameter (mm) | 450 |
| Detergent tank capacity (liter) | 20 (with proportional dosing) |
| Brushes rotation speed (rpm) | 160 |
| Integrated waste water collecting system | |



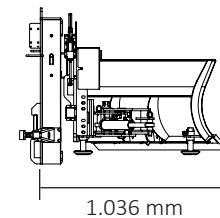
5.3. Washing kit

| | |
|--|--------------------------------|
| Pressure (bar) | 150 |
| Washing spray bar | 5 nozzles, manually adjustable |
| Width (mm) | 1.200 |
| 15 m hose with automatic hose reel and 150 bar high pressure lance | |
| 2 side high pressure jets | |



5.4. Snow blade

| | |
|----------------------------|------------------------------------|
| Work width (mm) | Straight : 1.400 Tilted : 1.220 |
| Blade height (mm) | 500 |
| Adjustable working height | |
| Adjustable Right/Left tilt | |



5.5. Snow brush

| | |
|-----------------------------|-------|
| Transport width (mm) | 1.608 |
| Work width (mm) | 1.350 |
| Brush diameter (mm) | 420 |
| Adjustable working height | |
| Adjustable Right/Left tilt | |
| 2 wheels for ground support | |

