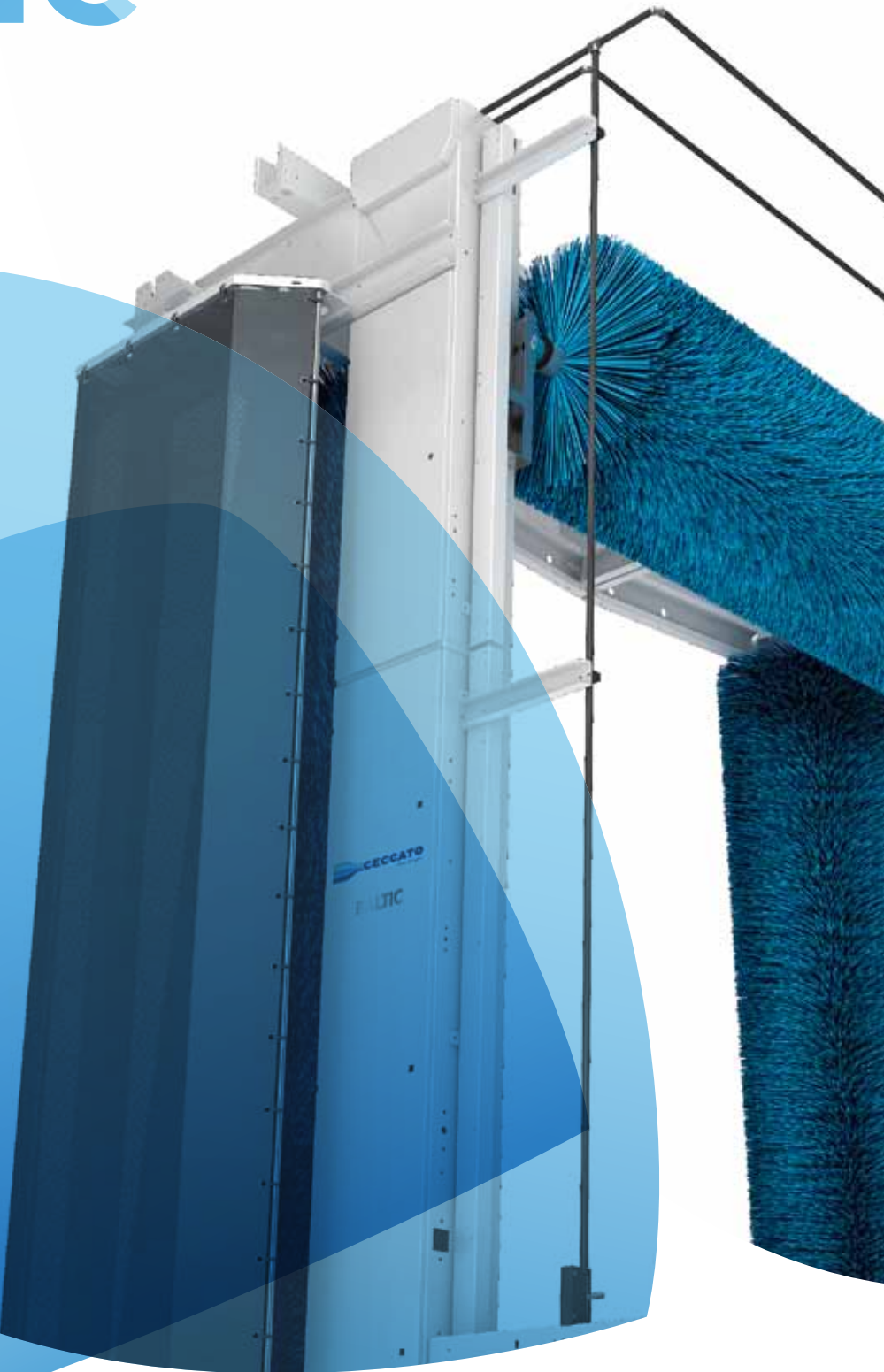


BALTIC

ENG



BALTIC

THE POWER
OF FUNCTIONALITY



Baltic is an automatic washing system designed especially for public and private transport as well as industrial and commercial vehicles: buses, lorries, tanker lorries, tractor trailers...



BALTIC is

proven reliability in a historical product: solid and functional, Baltic is Ceccato's ideal solution for companies that must manage many vehicles quickly in a continuous cycle;

ease of use and maintenance combined with flexible configurations and programmes to meet all the care and cleaning needs for a variety of vehicles;

a sturdy, hot-galvanized structure and the tracks with roll-over and anti-derailment protective devices for total safety;

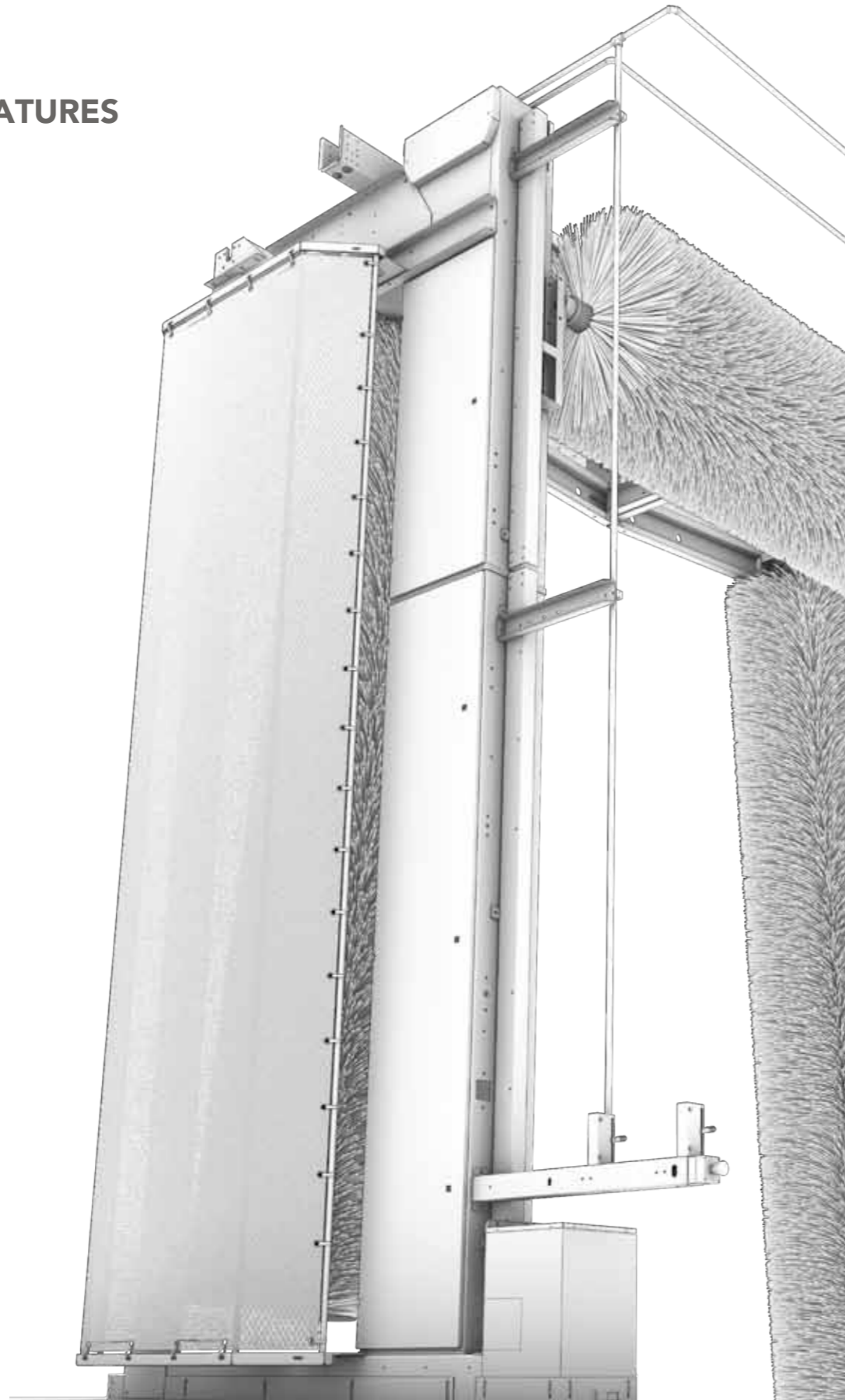
the innovation of procedures adapted from automobile systems, like overlapping, that allow cleaning in the most hard-to-reach points, or Robowash for high-pressure washing of the under body.

Baltic is also available in an HP version and in a variety of configurations, including a contour-tracking top arch for high-pressure washing of complex profiles.

Baltic takes care of your vehicles, thereby contributing to the positive image of your company. And the value of your business.



TECHNICAL FEATURES



Main features

The BALTIC range includes four models:

BALTIC overlapping

(side brush trolleys driven by electric motor)

BALTIC overlapping with side high pressure

(side arches only)

BALTIC overlapping with all around high pressure system

(side high pressure ramps and top high pressure contour following)

All models are available in the versions with washing height **420** and **470**

.Machine control

.BALTIC can be equipped with:

- 1.portable control panel
- 2.control panel with key selector switch
- 3.card reader

.all machine functions are automatically supervised by PLC

.the electric panel is installed inside a waterproof and humidity resistant double cabinet

.Mechanical equipment

.two motors, servo-assisted by inverter, are fitted on the gantry translation system

.rotation and movement of the brushes are obtained through gearboxes, inverter and chain transmission

.the hot dip galvanized gantry frame stands out for its rugged construction in comparison to other solutions that are available in the market and contributes for reliability and operational safety of the machine under all working condition

.Distribution arches

.all models are equipped with arches for the distribution of water and for uniform application of pre wash cleaner, shampoo and wax (where installed), over the whole surface of the vehicle

.Robowash

.high pressure washing device, with rotating nozzles mounted on an oscillating mechanism

.the powerful water jets are directed by the nozzles towards the lower and hidden zones of the vehicles that are more difficult to wash, such as the wheels

.Gantry rails and wheel guides

.hot dip galvanized steel rails, railway-type and heavy duty, rugged and safe to cope with the heaviest workload

.the rails are equipped with anti-derailment and anti-tilting devices, in order to guarantee safety in any working condition

Main options

.Side and top splash guards

.Dosing pumps

.High pressure pumps

.High speed KIT

.Underchassis system with rotating nozzles

The frame is made of steel profiles that are fastened to the floor by means of anchor bars and are designed to protect the top corners of the washing group. The steel profiles are positioned in such a way that they form a suitable channel, crosswise to the gantry rails, for the installation of the water pipage system.

The rotating nozzles that are fitted to the water pipes direct their "blade"- shaped water jets towards the underchassis of the vehicle at a pressure of 70 bar. Thank to the position of the rotating nozzles, the impact of the water jets on the underchassis of the vehicle is optimal and assure best removal of incrustations of mud, concrete and other types of dirt. The group can be rotated by 90° around its axis at the end of the washing cycle in order to avoid a possible clogging of the nozzles. The operator can choose to exclude the underchassis system from the washing cycle. The alternative, for model BALTIC HP is to supply water to the underchassis unit with the same high pressure pumps of the main machine: 3 pumps of each 7,5 kW, or six pumps of each 7,5 kW.

.Underchassis system 10 bar max

The supply includes the photoelectric cells to start the underchassis wash operation ant a 7,5 kW pump with starter.

.Underchassis system with rotating heads

The system is equipped with 4 water spraying rotating heads, two of them are mounted at the sides of the wash track and the other two on the floor; each head carries 4 rotating power nozzles. This drive-through unit is suitable for washing the underchassis, the lower side zones and the wheels of earth moving trucks when they are leaving quarries, dumps and waste disposal facilities. The truck underchassis and the sides are washed when the vehicle drives slowly through the wash bay to be positioned in front of the washing gantry. The same pumps of the high pressure system in the gantry are used: either three pumps of each 7,5 kW or six pumps of each 7,5 kW.

Types of vehicles included in the standard washing program set

| | |
|-------------------------|---|
| MONOVOLUME (VAN TYPE) | All vehicles without interruption in their profile. Lowering of the top brush and closing of the sidebrushes are controlled through the power absorption system. |
| TRUCK TRACTOR | Tractors without trailer. The top brush washes the truck cabin. The side brushes are closing to wash the cabin sides and will be blocked in that position for the rest of the gantry run. In the backward run, the top brush will climb against the cabin back side, applying a reduced working pressure, then gantry stop. |
| TRAILER TRUCK | All vehicles with a space between the tractor and the trailer. When the gantry reaches this space, the top brush descends until it reaches a preset height and the side brushes closing movement is blocked. |
| ARTICULATED LORRY | All vehicles with a space between the lorry and the trailer. When the gantry reaches this space, the top brush descends until it reaches a preset height and the side brushes closing movement is blocked. |
| FLATBED TRUCK / PICK UP | Vehicles which roof cannot be washed. After the cabin, in forward run, the top brush descends to reach a preset height and stops. |
| GARBAGE TRUCK / NO REAR | Washing the rear side of these vehicles is dangerous and shall be avoided. At the back of the vehicle, the top brush descends to reach a preset height and the side brushes closing movement is blocked. |
| FRONT MIRRORS | Busses equipped with front mirrors. The top brush jumps over the mirrors without touching them,the side brushes closing movement on the vehicle front is blocked. |
| SIDE MIRRORS | Vehicles with large or fixed side mirrors. The side brushes open completely after the front washand close again after the mirrors. |
| ARTICULATED TRUCK | Vehicles with a space between tractor and first trailer and first and second trailer. The brushes behaviour is a combination of the movements described for the types trailer truck and articulated lorry. |
| MONOVOLUME (VAN) USA | Vehicles with American style motor hood (long bonnet) and possibly with fixed and large mirrors, antennas, horns, lights and sun shields that can break down when they come in physical contact with the brushes or with the cleaner and high pressure pre wash arch. |

TRACTOR USA

Vehicles with American style motor hood (long bonnet) and possibly with fixed and large mirrors, antennas, horns, lights and sun shields that can break down when they come in physical contactwith the brushes or with the cleaner and high pressure pre wash arch. Blocking of the side brushesclosing movement on the lower part after the driver cabin and tractor function (see tractor).

TRUCK TRAILER USA

Vehicles with American style motor hood (long bonnet) and possibly with fixed and large mirrors, antennas, horns, lights and sun shields that can break down when they come in physical contact with the brushes or with the cleaner and high pressure pre wash arch. Blocking of the side brushes closing movement on the lower part after the driver cabin, up to the trailer.

ARTICULATED TRUCK USA

Vehicles with American style motor hood (long bonnet) and possibly with fixed and large mirrors, antennas, horns, lights and sun shields that can break down when they come in physical contact with the brushes or with the cleaner and high pressure pre wash arch. Blocking of the side brushes closing movement between the truck and the trailer.

Technical features

| Overall dimensions (mm) | | | | |
|-------------------------|------------|------------|--------|--------|
| | Mod.420 OL | Mod.470 OL | HP 420 | HP 470 |
| Width | 4730 | | 4830 | |
| Length | 2800 | | 3375 | |
| Height | 5250 | 5750 | 5250 | 5750 |
| Distance between rails | 3780 | | | |
| Max. washing width | 2700 | | | |
| Drive-through width | 3600 | | | |
| Max. washing height | 4200 | 4700 | 4200 | 4700 |
| Max. washing length | 12000 | | | |
| Standard rails length | 18000 | | | |

| Technical data | | | | |
|--------------------------|-------------|------------|--------|--------|
| | Mod.420 OL | Mod.470 OL | HP 420 | HP 470 |
| Power supply (V) | 400 ± 10% V | | | |
| Max. absorbed power (kW) | 9 | | | |
| Installed power (kW) | 9 | | | |
| Frequency (Hz) | 50 | | | |
| Total weight (Kg)*** | 1800 | 1975 | 2300 | 2375 |

*** machine with claddings, without energy chain and chain supports

In the washing phase, the brushes will automatically "jump" over protuberances exceeding 600 mm in height or width.

The unit is equipped with a special program in order to avoid damaging of the external rear mirrors.

There's always another road to choose.

One which takes us beyond our limits and habits to let us try different routes and explore new horizons, with a dedication to results and a drive to innovate, aware of goals reached, and ready for new challenges.

In this world so mobile we're taking cleaning further, to where true hygiene, ecology and value become one, where a means of transport is truly about comfort, wellbeing and freedom; and where our ideas, research and technology are blending to build the future.

It will be an exciting journey: we'll take it together.

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