

Cleaning Innovation

Detail is our mission

The new roll-over **STARGATE S8** aims to meet everyone's needs in terms of design, quality, high technology, efficiency and low maintenance.

Design

Modern, clean, futuristic, dynamic and with clear features that distinguish Aquarama's washing roll-overs range. The new Hi-Line claddings set-up looks to the future, meeting at the same time the needs of aesthetics and functionality.



At the front, two vertical LED walls mounted on the doors and one horizontal positioned on the top cladding give a high-tech and modern look to the classic communication system. The graphic and textual representations of the washing phases, the functions of the positioning traffic light, the customizable communications, meet the needs of practicality, clarity and aesthetics.

The led vertical walls are available in different sizes.

Front and rear the Hi-Lights, luminous inserts on the top claddings, creep into the darkness for a sure scenic effect.

Dimensions / Measurements in millimeters

Washing height	2.100	2.300	2.400	2.500	2.800
Machine height at rest	3.070	3.070	3.270	3.270	3.570
Machine height during wash	3.070	3.275	3.375	3.475	3.775
Machine width	3.770				
Minimum splash guard width	3.880				
Washing width	2.550				
Machine depth	2.430				
Machine depth Version "R" (photocells' barrier) - Optional	2.430				
Machine weight	2.250	2.250	2.400	2.400	2.550
Distance between rails	3.000 (2.700-2.800-2.854 on request)				
Rails length	10.000	10.000	10.000	10.000	12.000

Dimensions of washing bay for vehicles 5 meters length

Height	3.100	3.300	3.400	3.500	3.800
Width	4.880 - **4.100				
Length	10.700 - **9.800				

** With optional anti-crush devices

Technical data

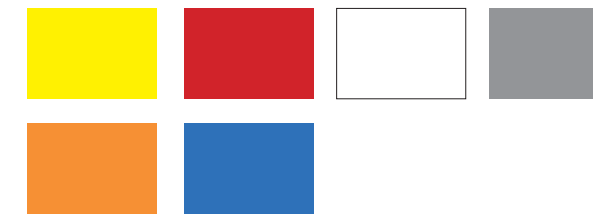
Translation speed	m/min	0-22
Water pressure	Bar	3-5
Air pressure	Bar	8
Tension	Hz	400 3/N/PE 50
Total power	kW	16
Voltage control	V	24
Drying power	kW	2x3 roof + 2x4 side

The data are indicative and not binding

High pressure pumps / Optional

Water high pressure	Bar	80
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Available colours



STARGATE S8



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High pressure becomes the protagonist

HIGH PRESSURE PUMPS SYSTEM

High pressure pumps system for an effective and accurate pre-washing. Flow rate at 42, 84 or 126 l/min. Storage tank. Available into insulated outdoor cabinet or mounted on frame for technical room.



HYDRO-PNEUMATIC GROUP

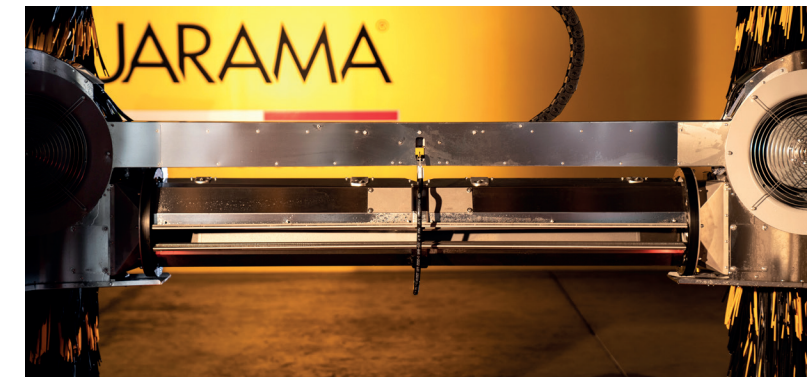
New group consisting of islands of high-tech electro-valves controlled directly by Ethercat.

- Water valves pneumatically controlled
- Pneumatic dosing pumps
- 10 L modular chemical tanks



NEW GENERATION ELECTRICAL BOARD

- Up to 5 inverters that manage 7 controlled movements
- Next Generation PLC
- Communication and data exchange by Ethercat



ROTAX, THE 360° ADJUSTABLE DRYING BLADE

- High efficiency drying with electric fans at 1450 rpm /min, large flow rate and maximum silence.
- Upper conveyor in stainless steel to follow the profile, adjustable to 360°
- 2 upper fans of 3 kW
- 2 side fans of 4 kW

PHOTOCELLS' BARRIER

Thanks to the photocells' barrier it is possible to detect any vehicle shape, optimizing the touch of the horizontal brush and the pass of the drying blade. Direct serial connection with PLC.

DETECTION ACCURACY

of particular shapes

AUTOMATIC DETECTION OF PARTICULAR SHAPES

Skibox, flashing lights, Pickup, Taxi lights, Police lights, etc...

DETECTION SPEED

- First pass up to 20 m/min
- Fluidity of movement
- Drying blade and horizontal high pressure
- Horizontal brush



SAFETY

- Warning notice about loosening of the lifting straps.
- Anti-fall locking system of the drying blade and the horizontal brush.



VERTICAL AND HORIZONTAL LED WALL

The roll-over is equipped with an horizontal LED wall composed of modules on which graphic GIF are transmitted showing the washing phases. The LED walls positioned on the doors are also modular and perform the same function. The classic traffic light gives way to a cutting-edge and technologically advanced communication.

Few options cannot be missing



RAINFOAM KIT

The Rainfoam arch creates a sensory experience during wash. A rain of foam covers the car evenly, waiting for the high pressure rinse. The multicolor LED bar accompanies the entire pre-washing phase.



MULTICOLOR LED NIGHT LIGHTING

Emotional and theatrical effect, especially in the evening or in shaded areas, thanks to the multicolor LED lighting, which works also during stand-by position.



STARGUIDE WHEEL GUIDE RAILS

Stainless steel wheel guide rails available in the following sizes: 6, 9, 12 mt. The LED lights present on the wheel guide rails (green-forward, red-stop, yellow-backward), facilitate movements during the vehicle positioning phase. Multicolor LED lights accompany the entire washing cycle.



WAVETECH

The exclusive WaveTech system, thanks to the oscillating motion, simulates the manual wash, ensuring optimal results. The bristles rub cars' body accurately and evenly, avoiding any washing GAP. This movement also generates a self-cleaning effect on the brush itself and a faster drying.

- greater power in washing
- delicacy and effectiveness on cars' body for shiny results
- uniformity of washing
- attractive aesthetics/movement



AQUAPAY SELF-SERVICE PAYMENT SYSTEMS

Accept

- By value or by washing program Smart Coin Cards
- Banknotes, coins and/or tokens
- Credit Cards

Deliver

- Receipts
- Smart Coin Cards
- Coins and/or tokens



Control terminal designed for simple and intuitive use, made with burglar-proof materials to make self-service washing operational 24 hours a day. Possibility for the operator to configure each pass to create personalized programs. Possibility for the end user to upgrade the selected basic washing program with additional options.

Stargate S8 technical features

STRUCTURE

- Galvanized and painted steel frame
- ABS claddings
- Direct roll-over towing by inverter
- Aeronautical high strength riveting
- Stainless steel fasteners

DRYING

- Horizontal stainless steel blade to follow the profile, adjustable on 360° by motorized control with inverter
- Electric lifting by inverter
- Stainless steel guides
- Side drying with 2 electric fans
- Fall arrest safety system

HORIZONTAL BRUSH

- Electric lifting by inverter
- Rotation and electronic power control by inverter
- Stainless steel guides
- Fall arrest safety system

VERTICAL BRUSHES

- Galvanized steel single beam guide
- Rotation and electronic power control by inverter
- Overlapping on the front and back of the car
- Side inclination and locking by pneumatic cylinder
- Tow hooks safety

STANDARD EQUIPMENT

- Hydraulic system with electro-valves and dedicated ramps
- Dosing pump for shampoo
- Dosing pump for wax
- Control terminal placed into a wall technopolymer box with 7" colour touchscreen display
- 5 inverters
- Self-Service predisposition fully integrated into machine electronics