



Santoemma

Professional Cleaning Machines

Since 1980



CARPET
Professional Cleaning Program



Santoemma Method for carpet Professional cleaning

The Santoemma CARPET program includes the widest range of machines and accessories for professional carpet cleaning, developed to solve cleaning problems in any size area. The whole range is characterized by reliability and robustness.

Santoemma has developed its own **method** for the professional cleaning of carpeted areas that achieves better results than any other system available. The following points are focussed on:

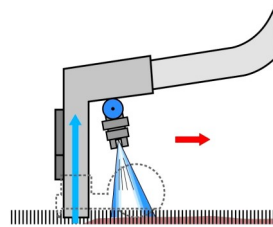
- **Quality results:** the carpet is clean like new and it gets dirty again slowly, like a brand new carpet
- Extremely reduced **drying time:** the carpet can be **dry in 1 hour!**
- **User-friendly** cleaning operations: the operator's time and effort is considerably decreased

The Santoemma Method incorporates all the cleaning factors within carpet cleaning and uses them simultaneously and optimally: **chemical action, mechanical action, temperature, time** and **vacuuming**.

Each factor has been optimized by the design of Santoemma special systems and devices that are added to a basic injection-extraction machine, transforming it into a "**Professional SET**" for carpet cleaning.

Injection-extraction system

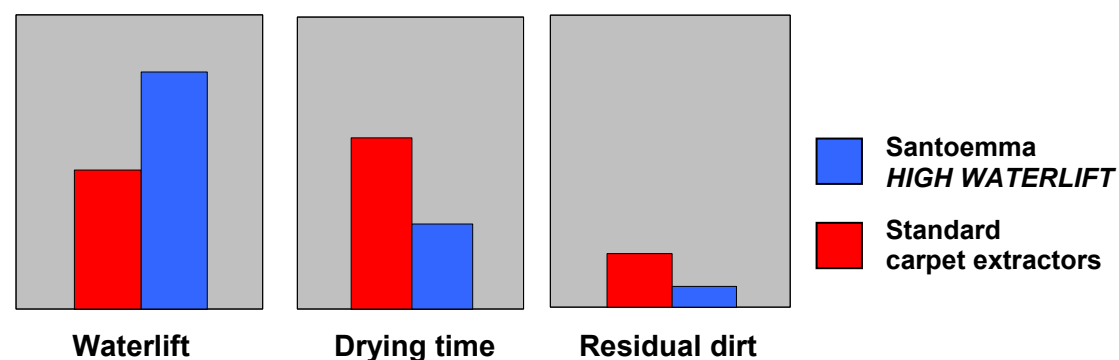
With the injection-extraction system, a solution of water and chemical is sprayed into the carpet's fibres and immediately sucked out. The solution and the dirt that is removed are recovered directly into the dirty water tank of the machine. With this method, it would usually take many passes on the same carpet area to complete the cleaning process.



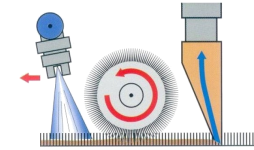
HIGH WATERLIFT technology

The drying time of the carpet after cleaning greatly depends on the vacuum strength. A specially designed high waterlift vacuum system has been developed for Santoemma machines, which allows them to get up to 50% higher waterlift than standard carpet extractors. It is possible to recover up to 95% of the sprayed solution.

This results in an extremely shorter **drying time** than with normal carpet extractors. Not only is the drying time reduced, but also a **better cleaning result** is obtained. This is due to the extra solution extracted from the carpet fibres, containing extra dirt that was in the carpet. The same residual dirty solution, if left evaporating in the carpet as it usually happens, would leave the carpet not so clean as with Santoemma machines.



Self-contained machines

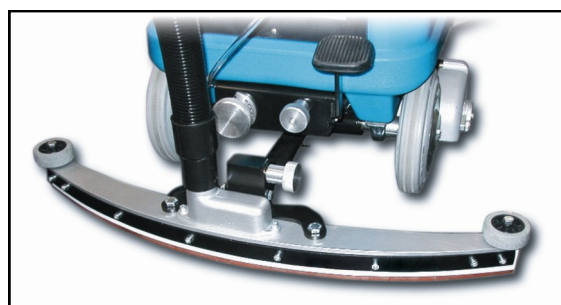


The **Elite-Silent** is a self-contained, manual traction machine for carpet and hard floor. It washes, brushes and dries a strip of carpet 50 cm wide. Moving forward it cleans up to **500 square metres** in one hour.

The 3 stage **high-waterlift** vacuum system allows the machine to dry a carpet very efficiently. The Elite-Silent is a very quiet machine, since it works with a 60 Decibels sound level only.

It is possible to adjust the brush and vacuum head pressure according to the type of carpet. The water-flow can be regulated, for a **maintenance** low-moisture cleaning or a **restorative deep cleaning**.

The Elite-Silent can be supplied with the instant hot water unit HT1800. If equipped with the patented SMARTKIT system, it is possible to perform automatic chemical dosing, carpet pre-spraying and rinsing. The optional squeegee SQ720E allows for hard floor cleaning. An extra brush, specific for hard floor cleaning, is also available.



Optional squeegee for hard floor cleaning

Technical data

	Sharon-Brush	Charis-ONE Charis-DUAL	Elite-Silent	Powerful	Elite-Battery	Nikita
Recovery tank capacity:	12 litres	35 litres	50 litres	70 litres	50 litres	70 litres
Solution tank capacity:	12 litres	35 litres	50 litres	70 litres	50 litres	70 litres
Vacuum motor: Power: Max. waterlift (mmH ₂ O): Max. air flow (l/sec.):	2 stages 1000 W 2200 50	3 stages HW 1500 W 3400 45	3 stages HW 1500 W 3400 45	2 x 3 stages HW 2 x 1500 W 3400 90	3 stages HW 850 W 2500 45	2 x 3 stages HW 2 x 850 W 2500 90
Pump with bypass: Power: Max pressure: Max. water flow:	vibrating 70 W 4 bar 1,5 l/min.	membrane 80 W 9 bar 4,5 l/min	membrane 80 W 9 bar 4,5 l/min	membrane 80 W 9 bar 4,5 l/min	membrane 80 W 9 bar 4,5 l/min	membrane 80 W 9 bar 4,5 l/min
Cleaning width (carpet/floor):	270/290 mm	400 mm	500/720 mm	500/720 mm	500/720 mm	700/900 mm
Number of nozzles:	3	4 (ONE) 5 (DUAL)	5	5	5	6+3
Adjustable water-flow:	YES	YES	YES	YES	YES	YES
Instant heating system:	-	Optional HT1800	Optional HT1800	Optional HT1800	-	-
Rotating Brush:	90W 600 rot/min 232 mm	1x120W (ONE) 2x120W (DUAL) 600 rot/min 363 mm	90W 600 rot/min 464 mm	90W 600 rot/min 464 mm	250W 840 rot/min 464 mm	2 x 100W 840 rot/min 604 mm
Driving motor:	-	-	-	90W with differential	250W with differential	350W with differential
Automatic dosing system:	-	Optional SMARTKIT-CH	Optional SMARTKIT-EL	Optional SMARTKIT-EL	Optional SMARTKIT-EL	Integrated
Pre-spray system:	-	Optional PRESPRAY-MX	Optional PRESPRAY-EL	Optional PRESPRAY-EL	Optional PRESPRAY-EL	Integrated
Max performances:	120 sq m/h	250 sq m/h	500 sq m/h	600 sq m/h	500 sq m/h	1000 sq m/h
Cable length:	10 m	15 m	15 m	15 m	-	-
Hoses length:	2,5 m	Optional	Optional	Optional	Optional	Optional
Weight (machine body):	21,5 Kg	50 Kg (ONE) 58 Kg (DUAL)	55 Kg	65 Kg	75 Kg Without batteries	120 Kg Without batteries
Weight (packaged machine):	25 Kg	65 Kg (ONE) 73 Kg (DUAL)	60 Kg	70 Kg	85 Kg Without batteries	150 Kg Without batteries
Dimensions:	29x78x90 cm	42x104x96cm	50x86x95cm	50x92x102 cm	50x89x119cm	70x120x135 cm
Package dimensions:	36x60x76 cm	50x110x112cm	60x95x112cm	60x95x122 cm	65x102x135cm	80x123x160 cm
Units/pallet:	8 pcs/ pallet (80x120x165h)	1 pc / pallet (50x110x112h)	1 pc / pallet (60x95x112h)	1 pc / pallet (60x95x122h)	1 pc / pallet (65x102x135h)	1 pc / pallet (80x123x160 cm)
Batteries:	-	-	-	-	3 x 12V 100Ah Tot 90 Kg	6 x 12V 75Ah Tot 160 Kg
Voltage:	230-240V 50-60Hz (available versions at 100V or 120V 50-60Hz)				Available with charger at 100/120/240V	Available with charger at 100/120/240V
Standard colour:	Blue					
Tanks construction:	High density polyethylene					