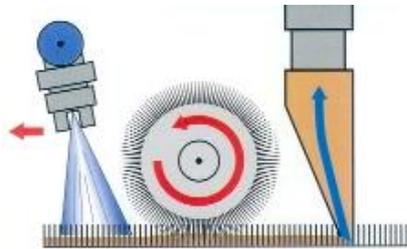


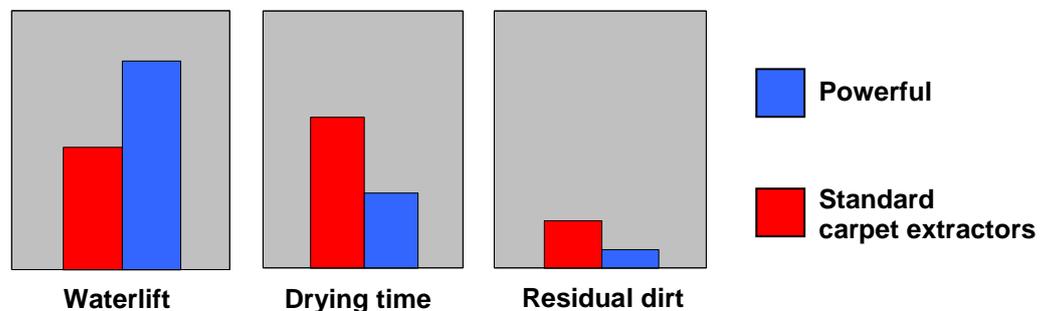


**Powerful** is a self-propelled machine designed to clean very large areas of carpet. It washes, brushes and dries a stripe of 50 cm of carpet, moving forward with adjustable speed, cleaning up to 600 square meters in one hour. Its **high-waterlift** vacuum system allows to recover the maximum quantity of dirt from carpet and to get a shortest drying time. The differential of the driving motor allows the machine to turn without effort, giving it a good manoeuvrability even in narrow areas, as for example in corridors. The pressure of the rotating brush can be adjusted, according to the type of carpet. The water-flow can be regulated, for a maintenance low-moisture cleaning or a restoration deep-cleaning. Powerful 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.

**Main application fields:** cleaning companies, hotels, conference halls, offices, banks, shops, cinemas, theatres, ferry boats, ships, airports, school, universities, shopping centres, places of worship and all places with large surfaces of carpet.



Injection-extraction cleaning with rotating brush



### Advantages of Powerful:

1. It is possible to clean up to 600 sq meters in one hour, thanks to the working forward system of the machine.
2. Very light to operate even on thick carpet and on slopes thanks to the driving motor with adjustable speed.
3. Speed regulation that allows to maintain a constant speed on slopes.
4. The tanks, with 70 litres each, allow a long working autonomy and reduce the idle time necessary for the tank filling and draining.
5. The two high waterlift 3 stages vacuum motors allow an excellent suction and therefore a very short drying time.
6. The special profile of the vacuum head allows an excellent suction.
7. The sprung vacuum head allows the best suction also in case of uneven floor.
8. The motor of the rotating brush is powerful and reliable and allows a very deep cleaning.



9. Possibility to adjust the height of the rotating brush according to the thickness of carpet and also according to the degree of dirt.
10. Brush motor with thermal protection against overload (useful in case of a wrong regulation of the brush height).
11. Brush easily replaceable with no need of turning the machine over.
12. Stainless steel brush bearings for a longer life.
13. Quick disconnect spray nozzles, which can be removed without using any tool. The nozzles can be cleaned easily. Moreover, the complete connector with nozzles can be taken out of the machine without turning the machine over.
14. All the controls are at a comfortable height for the worker.
15. The spraying of water can be continuous or otherwise activated by a spray lever.
16. Possibility to regulate the water flow, according to the degree of dirt and to the desired time for the drying.
17. Possibility to connect the machine with optional tools for cleaning hard-to-reach corners. For example, once that the cleaning of a corridor in an hotel is completed, the carpet tool NS300 can be connected to the machine in order to clean inside the rooms.
18. With the optional SMARTKIT-EL, it is possible to perform automatic chemical dosing and carpet rinsing.
19. Adding the pre-spray pipe and gun (PRESPRAY-EL) to the SMARTKIT-EL, it is also possible to pre-spray carpet before cleaning.



### Other technical advantages of Powerful

1. Detachable tanks. The machine can be carried easily even in a small car.
2. High density polyethylene tanks, very strong and made for lasting a long time.
3. Transparent unbreakable cover, which allows to see the dirty water while it is sucked.
4. Easy to reach hole for filling the tank with clean water.
5. Drainpipe for easily emptying the recovery tank.
6. Drain valve for draining completely the solution tank.
7. The gaskets are not glued and replaceable by hand. Easy to clean and change.
8. Brass quick-disconnect couplings, reliable and strong.
9. Water pump with internal bypass, which allows an automatic regulation of the optimal water flow according to the tool used. Moreover, the bypass device makes the pump more reliable and avoids problems in the years.
10. Water pump with external rectifier, specially sized for a greater reliability.
11. Vacuum motors and driving motor with thermal protection against overload.
12. Vacuum motors treated against rust.
13. Both motor and pump can work continuously.
14. Modular design that makes the maintenance easier. The maintenance of the machine can be done at low costs.

#### **Santoemma srl**

Via Piave, 22/C - 20016 PERO (Milano) – Italy  
Tel. +39.02.3391 2487 Fax +39.02.3391 2538  
www.santoemma.com E-mail: [santoemma@santoemma.com](mailto:santoemma@santoemma.com)

2  
1109

#### **OMEGA d.o.o.**

Ljutomerska cesta 28 – 9250 Gornja Radgona –  
Slovenija  
T: 02 561 1762 – F: 02 561 1524  
W: [www.cistilnaoprema.si](http://www.cistilnaoprema.si) – E: [info@omegadoo.si](mailto:info@omegadoo.si)



### Technical Data

Recovery tank capacity:	70 liters
Solution tank capacity:	70 liters
Vacuum motor: Power: Maximum waterlift: Maximum air-flow:	2 motors - 3 stages - <b>High Waterlift</b> 2 x 1500 W <b>3400</b> mm H <sub>2</sub> O 90 l/sec.
Pump with by-pass: Power: Maximum pressure: Maximum water-flow:	membrane 80 W 9 bar 4,5 l/min
Drive motor:	90W – adjustable speed
Cleaning width:	500 mm
Number of nozzles:	5
Brush:	100 W 600 rot/min 464 mm
Max. performance:	600 mq/h
Cable length:	15 m
Hose length:	optional
Weight (machine body):	65 kg
Weight (packaged machine):	70 kg
Dimensions:	50 x 92 x 98 cm
Package dimensions:	60 x 95 x 122 cm
Standard colors:	Blue
Tank construction:	High density polyethylene
Suitable to work with heater:	YES

Complete machine for carpet cleaning	
--------------------------------------	--

### Suggested optional tools

HT1800-220-M	Instant hot water unit, 1800W, complete with metal brackets to fix it on the machine.	
H35-RAGNOL50-T	Vacuum and solution hoses, 5 m, Ø 38 mm, ragno solution pipe	
NS10PN-M	Plastic hand tool, with 1 spray nozzle	
NS300-M	Carpet tool with aluminium head, 3 spray nozzles, tubes in stainless steel	
SMARTKIT-EL	Complete kit for automatic chemical dosing, rinsing, low moisture/deep cleaning selection. Not including pre-spray pipe and gun (PRESPRAY-EL)	
PRESPRAY-EL	Complete pipe and pre-spray gun, to be added to SMARTKIT-EL, for carpet pre-spraying	
7571N-MAN	Optional manifold, for low-moisture maintenance cleaning, spraying solution on the cylindrical brush	