

# TS 1500 SE

## Industrial vacuum cleaner for dust, liquid and solid material



### Suction unit

The suction is provided by a suction unit of the side channel blower type, manufactured in Germany by Siemens, with direct coupling between the fan and the motor shaft and no transmission system. It is thus completely maintenance free, fit for round-the-clock 24 hours duty, very silent and provides outstanding suction performances; a safety thermic switch cuts off the motor in case of overheating. The control board is placed inside a metal casing, in a safe position at the back, and include two independent ON and OFF switches (protection IP65), a safety emergency stop button and a soft start device. A safety absolute filter, placed between the motor and the main filter, protects the motor from contact with dust in case of dust accidentally passing through the main filter; a vacuum indicator enables constant checking of the suction performance, and detecting possible clogging of the filter. A pressure relief valve protects the motor from overheating in case of clogging of the filter or continuous duty at high depression.

### Filter unit

The filter is placed and protected inside the steel filter chamber; the filter is made of polyester, tailored with pockets in order to increase the filter surface (50.000 cm<sup>2</sup>), and has a high filtration efficiency (3 micron). A manual filter shaker enables the user to clean the filter efficiently, by a vertical shaking movement, so as to detach most of the dust and maintain the filter clean, in order to increase its life and maintain the suction performance of the machine. The tangential aluminium die-cast suction inlet (Ø80 mm. diameter), placed below the filter, makes it possible to vacuum at the same time dust, solid and liquid material (the latter only within the capacity of the container), with no need to change or take out the filter. A cyclone welded inside the filter chamber conveys most of the dust directly in the container, and protects the filter from cutting or tearing.

### Collection unit

The vacuumed material is placed inside a drop-down bin mounted on wheels (160 litres capacity), which makes it possible to dispose easily and safely of the sucked material, if need be collecting it directly into a plastic bag.

The vacuum is mounted on a sturdy steel chassis with two pivoting wheels, one of which with brakes; all metal parts of the vacuum are epoxy painted.

## Technical data sheet

MODEL – TS 1500 SE		
<b>Voltage</b>	Volt HZ	400/690 50/60
<b>Power</b>	KW	11
<b>Max. vacuum rate</b>	mm.H2O	6000
<b>Vacuum rate (continuous duty)</b>	mm.H2O	4400
<b>Max Air flow rate</b>	M3/h	520
<b>Filter type</b>	Cm2	50.000
<b>Filter surface</b>	Pocket	Polyester
<b>Filter cat.</b>	CAT (BIA) / micron	L >3
<b>Container Capacity</b>	Lt.	160
<b>Suction inlet</b>	Ø	80
<b>Noise level</b>	Db(A)	76
<b>Protection</b>	IP	65
<b>Dimensions</b>	cm.	75 x 120
<b>Height</b>	cm.	175
<b>Weight</b>	Kg.	280

\* Measured with fully closed suction inlet

\*\* Measured with fully open suction inlet

## Options

Cod	Description
M	Filter for fine dust - class M
H	Absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
ANT	Antistatic filter
PTFE	PTFE coated filter
FLOAT	Floating device to stop suction when the bin is full of liquids
X	Stainless steel collection tank
XX	Stainless steel tank and filter chamber