

# TS HD 110SE

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, 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 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 includes two independent ON and OFF switches (protection IP65), a safety emergency stop button and a star triangle start of the motor. 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 other blockings in the suction system; a diffuser filter reduces the speed and noise of the air on the exhaust outlet.

## Filter unit

The filter is placed and protected inside the steel filter chamber; the polyester star filter provides a filter surface of 70.000 cm<sup>2</sup> and high filtration efficiency (class L, 3 micron). A SELF CLEAN system 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

<b>MODEL – TS HD 110SE</b>		
<b>Voltage</b>	Volts HZ	400 3~ 50/60
<b>Power</b>	KW	11
<b>Max. Water lift rate</b>	mmH2O	6000
<b>Max. Water lift on continuous duty</b>	mmH2O	5400
<b>Max. Air flow</b>	M3/h	480
<b>Filter surface (pocket filter)</b>	Cm2	70.000
<b>Filter efficiency</b>	CAT BIA Micron	L 3
<b>Air load on filter</b>	M3/M2/h	69
<b>Capacity</b>	L	160
<b>Suction inlet</b>	∅	120
<b>Noise level</b>	dB (A)	71
<b>Protection</b>	IP	65
<b>Dimensions</b>	Cm	68 x 152
<b>Height</b>	Cm	180
<b>Weight</b>	Kg	220

## Options

<b>Cod</b>	<b>Description</b>
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
NOMEX	NOMEX filter for high temperatures (max 250° C)
PN	Reverse alternated air pulse cleaning
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