

# Mobile Downdraft Table with removable filters

## Model TMFI

**Efficacy – Mobility– Individual Protection – Quality - Rentability**

STIVENT offers you an autonomous mobile downdraft table to improve your operators' working conditions, with control panel and filters surveillance.



**STIVENT**<sup>®</sup>  
INDUSTRIE

## **Working conditions improvement**

The mobile downdraft table is designed to capture fine pollutants consecutively produced by sanding, deburring, undusting operations.

Its mobility makes it the perfect ally in the workshop where adaptability is a priority.

The TMFI present an ergonomic shape allowing standing work or sitting work.

ATEX 22 Interior Design.

Noise emission lower than 70dB (measured at workplan).

Standard equipment:

- Control panel,
- Double downdraft zone at metallic workplan.
- Rotating side panels,
- Mobility wheels with brake.
- Gray paint(RAL7035) Blue paint (RAL5017).

## **Individual protection and fiability.**

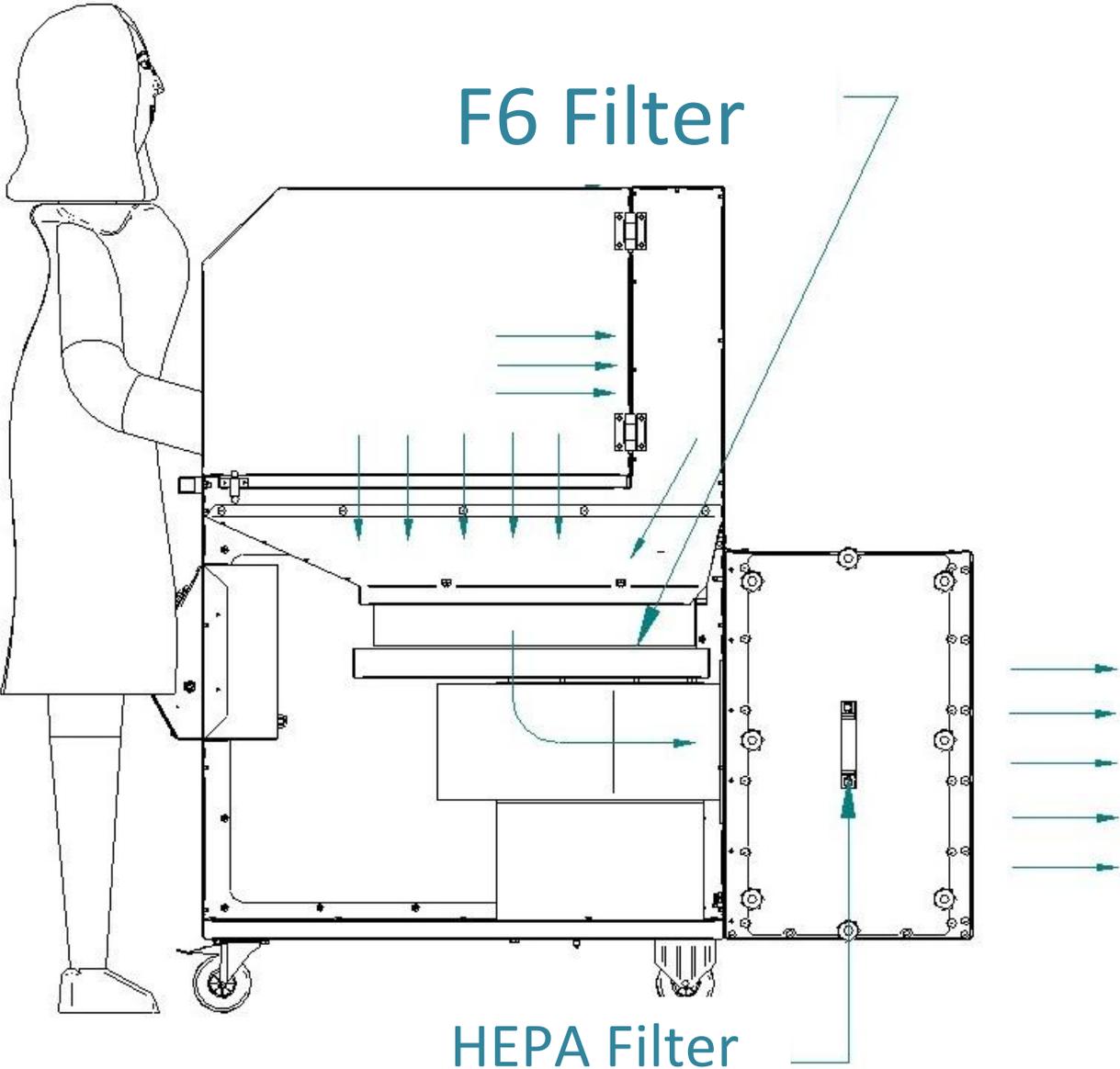
The ventilator ensures a minimal vertical air speed of 1.4m/s while the horizontal air speed is 0.7 m/s.

Differential pressure sensors inform the user about the filters clogging and replacement through a light on the control panel.

## **Environment Protection**

- Dust filtration is realized through a F6 class filter.

# Operating principle



## **OPTIONS :**

- Custom paint.
- Articulated lamp for modular lighting 35W.
- Absolute filter HEPA 99.95% for indoor discharge.
- Adaptation for outdoor discharge.
- ATEX Certification LCIE for out of risk zone use.
- ATEX Certification (LCIE) to use inside the risk zone (deported control panel).
- Particle sensor
- Other custom adaptations

# Product description

**STIVENT's TMFI downdraft table makes dusts go away from the operator using the double flow created by the built in suction ventilator.**

This table captures as close as possible from the emission point thanks to its vertical flow through the workstation and further the dusts from the operator thanks to the horizontal flow.

**The 2700m<sup>3</sup>/h airflow allows a capture speed higher than 0.7m/s.** Dusts are then collected by the filter directly under the workstation.

Purified air exits the filter either to be evacuated outdoors or to go through the HEPA H13 filter (option) while a continuous surveillance system monitors filters' clogging. This surveillance is achieved by a differential pressure sensor indicating the clogging status with a light on the control panel.

**In order to assure a good repartition of the air intake, the table is equipped with rotating side panels also contributing to make charging and discharging easier; and even punctual lateral work.**

Entirely made of galvanized steel coated and painted, the TMFI is thus protected and improves its finition quality.

# Product specifications

**Width mm: 1105**

**Depth mm: 1010**

**Workplan Height mm: 940**

**Total Height mm: 1430**

**Workplan Size mm: 1000 x 700**

**Average minimal speed m/s:**

**1.4 Vertical**

**0.7 Horizontal**

**Total airflow m<sup>3</sup>/h: 2700**

**Pressure mm CE : 62**

**Power KW : 0.75**

**RPM rev/min: 1370**

**Power supply: 230V mono**

**Opacity Filter F6**

**Filtering area m<sup>2</sup>: 13.2**

**Noise level dB (A) at workplan at 50Hz: 68**

**Noise level dB (A) at 1 m at 50Hz: 60**

**Rotating side panels**

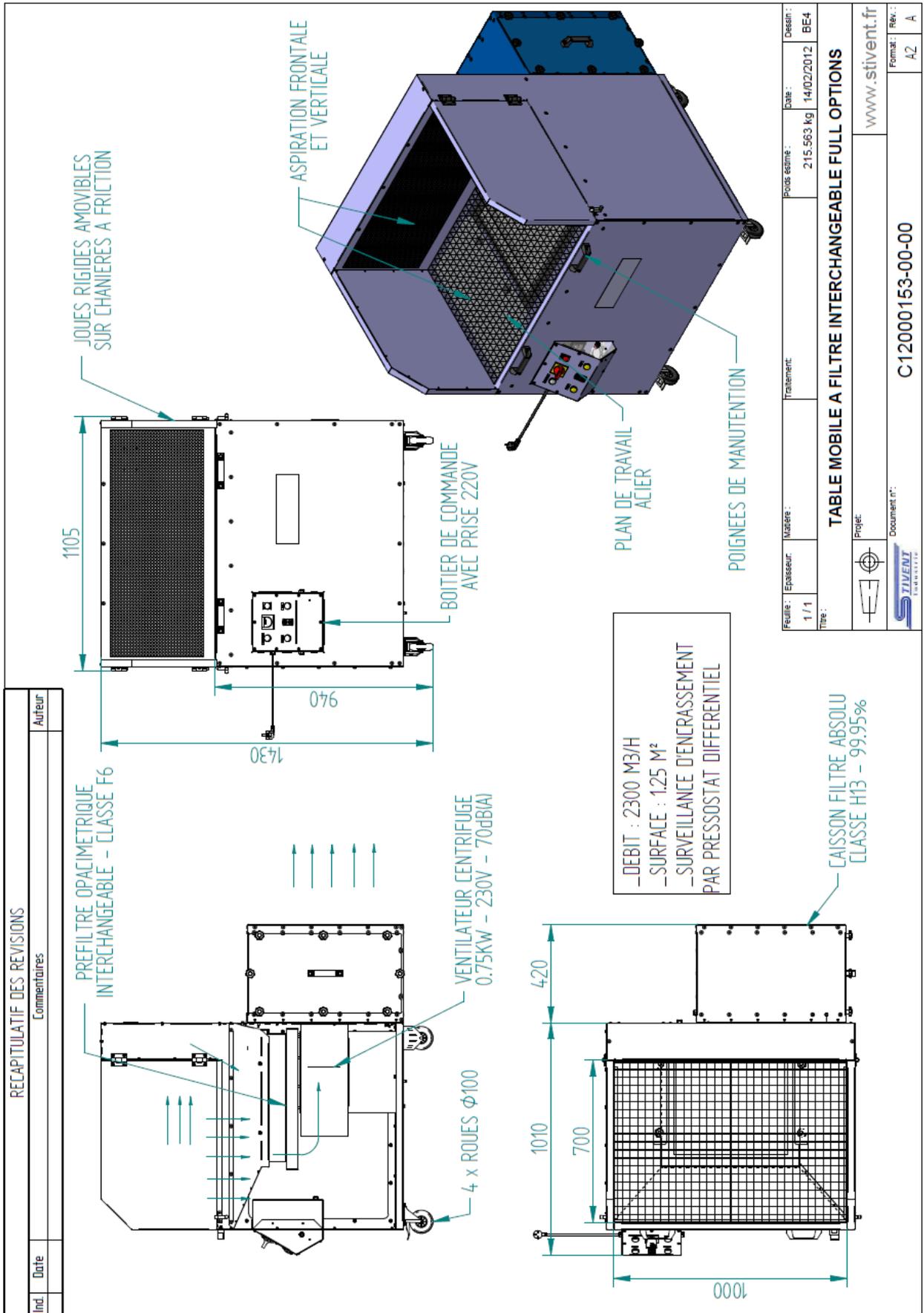
**ATEX built: Yes**

***IP55 Control Panel including:***

- Transformer*
- ON/OFF Light*
- Red emergency punch button*
- Isolation switch*
- Warning lights*

**Weight (kg) options excluded: 210**

# Annex



# References

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The following sectors: aeronautic, rail, defense, metallurgy, plastic, wood processing, food and others trusted us with their issues.

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