HELEX

PRECISION BY DESIGN

FILTER UNITS

Filter Unit with Metal Containers

Central dust extraction · Sawdust and wood dust · Several machines simultaneously

Filter unit for central dust extraction systems in woodworking, with 352 cylindrical filter elements and collection in four metal containers.

MODEL HE 600 F

60000 m^3/h	320 m^2	352	10 m^3
AIRFLOW	FILTER AREA	FILTER ELEMENTS	COLLECTION VOLUME



/ Application & Use

The HELEX HE 600 F is a filter unit for central dust extraction systems in woodworking. It extracts sawdust and wood dust from several machines at once and is intended for furniture factories and industrial joineries, and for panel processing and solid wood processing lines. It collects sawdust and wood shavings as well as dust from machining wood, particleboard and MDF.

The filter housing contains 352 cylindrical filter elements, Ø 160 x 1780 mm, with a total filter area of 320 m². The airflow is 60000 m³/h.

The collected material passes through four collection hoppers into four metal containers on rails, each 1.6 x 1.4 x 1.25 m, with a total collection volume of 10 m³ (10000 l).

/ Applications & Collected Materials

APPLICATIONS

- Central extraction for furniture factories and industrial joineries
- Panel processing and solid wood processing lines
- Extraction from several machines simultaneously

COLLECTED MATERIALS

- Sawdust and wood shavings
- Dust from machining wood
- Dust from machining particleboard and MDF



Four collection hoppers above the four metal containers on rails.

/ Structure and Configuration

1 **Filter housing**
352 cylindrical filter elements, Ø 160 x 1780 mm, total filter area 320 m², airflow 60000 m³/h.

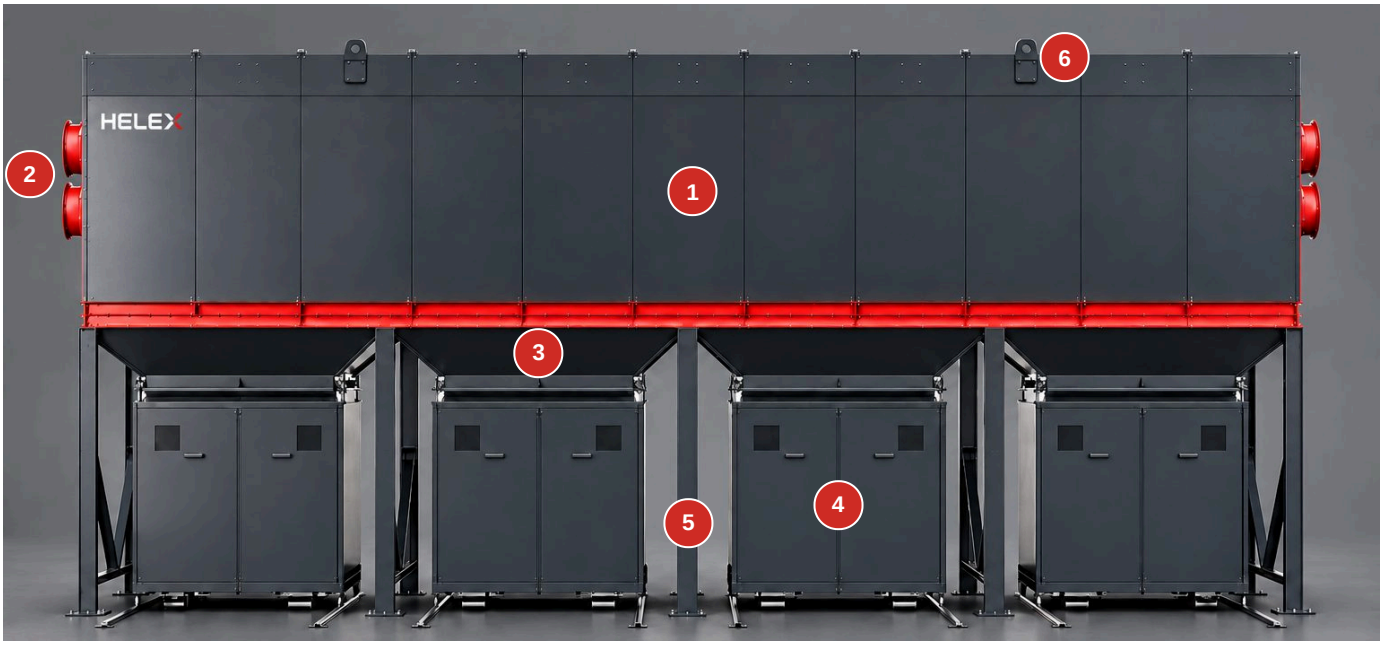
2 **Air connections**
Function, number and diameter of the connections are specified in the quotation.

3 **Collection hoppers**
Four hoppers under the filter housing direct the collected material into the containers.

4 **Metal containers on rails**
Four containers, 1.6 x 1.4 x 1.25 m each, total collection volume 10 m³ (10000 l).

5 **Support structure**
Metal support structure with bracing.

6 **Lifting lugs**
Lifting lugs for handling the unit.



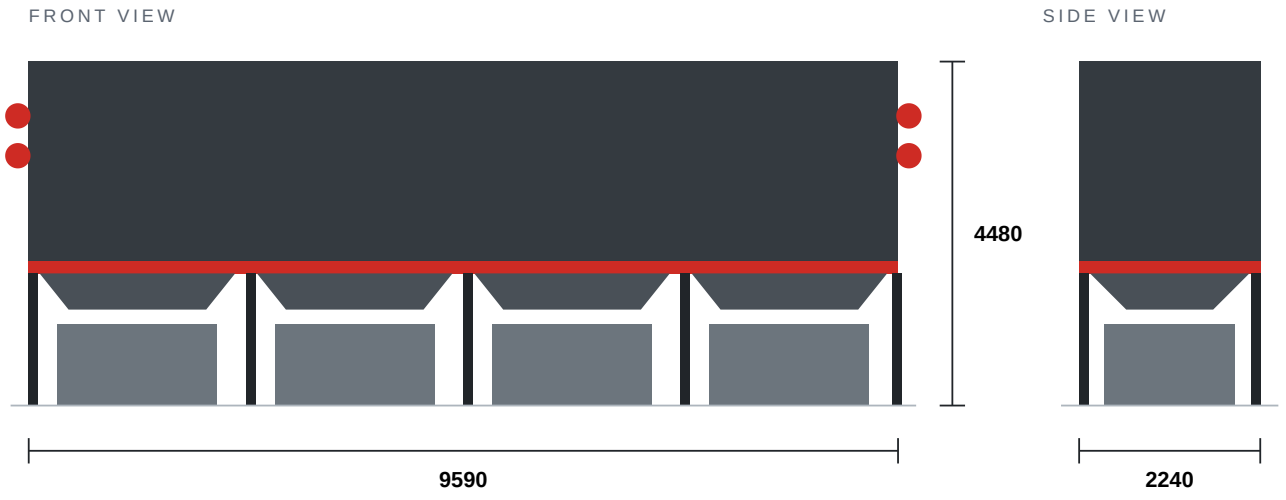
Front view: filter housing, four collection hoppers and four metal containers.

/ Technical Data

Specification	HE 600 F
Model	**HE 600 F**
Machine type	**Filter unit**
Collected materials	**sawdust and wood shavings; dust from machining wood, particleboard and MDF**
Airflow	**60000 m³/h**
Filter area	**320 m²**
Filter elements: number / dimensions	**352 cylindrical filter elements / Ø 160 x 1780 mm**
Material collection and discharge system	**Collection in four metal containers via four collection hoppers**
Collection containers: number / dimensions	**4 / 1.6 x 1.4 x 1.25 m, on rails**
Total collection volume	**10 m³ (10000 l)**
Overall dimensions (L × W × H)	**9590 x 2240 x 4480 mm**
Machine weight	**5160 kg**

Data according to the technical documentation. The fan (arrangement and power), the air connections (function, number, diameter), the filter media and filter cleaning, the electrical supply, the installation site and the fire and explosion protection are specified in the quotation. Technical data may be updated without notice. Images are illustrative.

/ Overall Dimensions



Dimensions in mm. Schematic drawing, not to scale.

SUPPLIER

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