HELEX

PRECISION BY DESIGN

FILTER UNITS

Filter Unit with Big Bags

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 five big bags on pallets.

MODEL HE 600 FB

60000 m³/h	317 m²	352	6.5 m³
AIRFLOW	FILTER AREA	FILTER ELEMENTS	COLLECTION VOLUME



/ Application & Use

The HELEX HE 600 FB 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 317 m². The airflow is 60000 m³/h. The air connections are grouped on the short side of the unit.

The collected material passes through five collection hoppers into five big bags, 1 x 1 x 1.3 m each, placed on pallets and handled with a forklift. The total collection volume is 6.5 m³ (6500 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



Five collection hoppers discharging into five big bags on pallets.

/ Structure and Configuration

1. **Filter housing**
   352 cylindrical filter elements, Ø 160 x 1780 mm, total filter area 317 m², airflow 60000 m³/h.

2. **Air connections**
   Grouped on the short side of the unit; function, number and diameter are specified in the quotation.

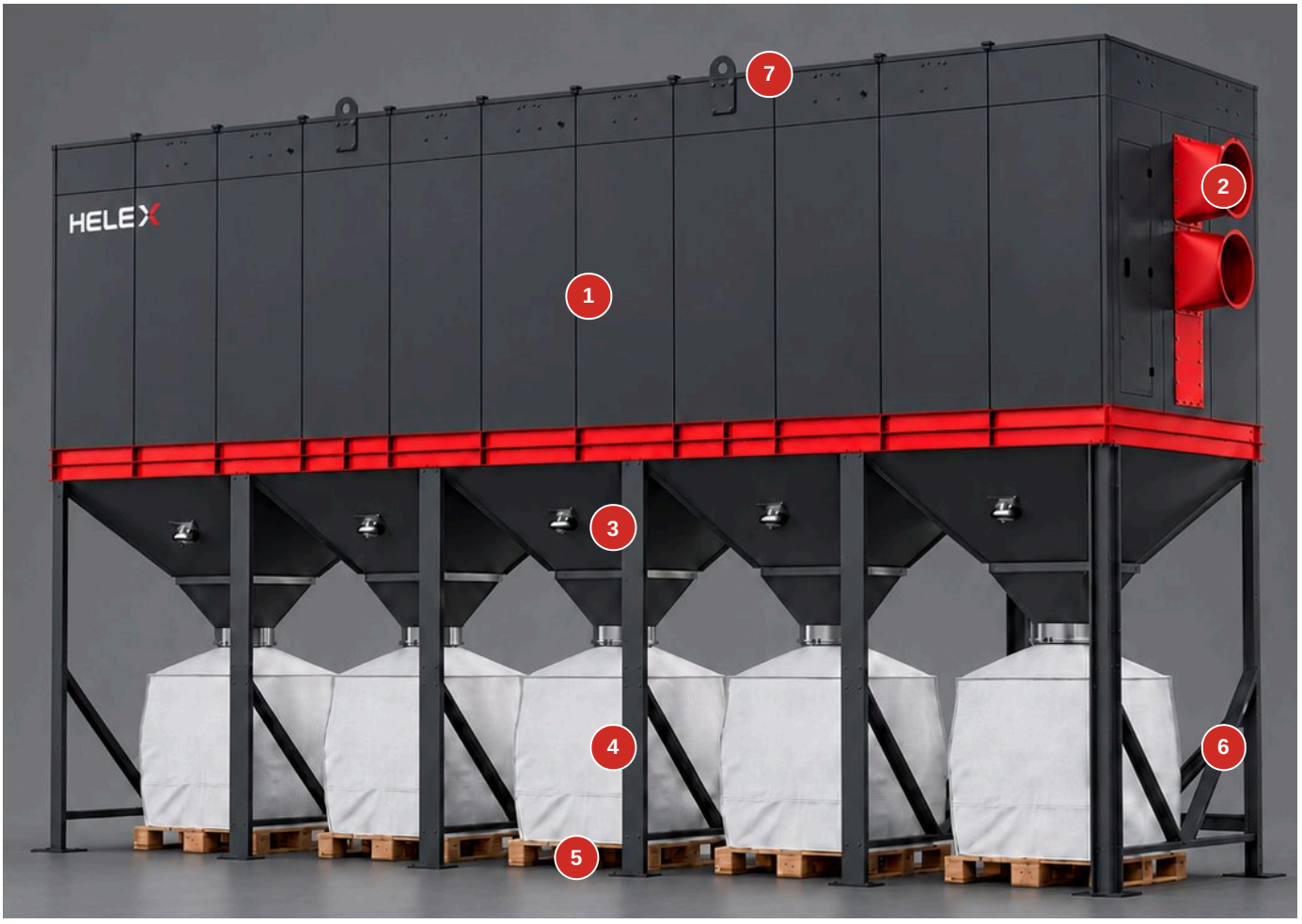
3. **Collection hoppers**
   Five hoppers under the filter housing direct the collected material into the big bags.

4. **Big bags**
   Five big bags, 1 x 1 x 1.3 m each, total collection volume 6.5 m³ (6500 l).

5. **Pallets**
   The big bags are placed on pallets and handled with a forklift.

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

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



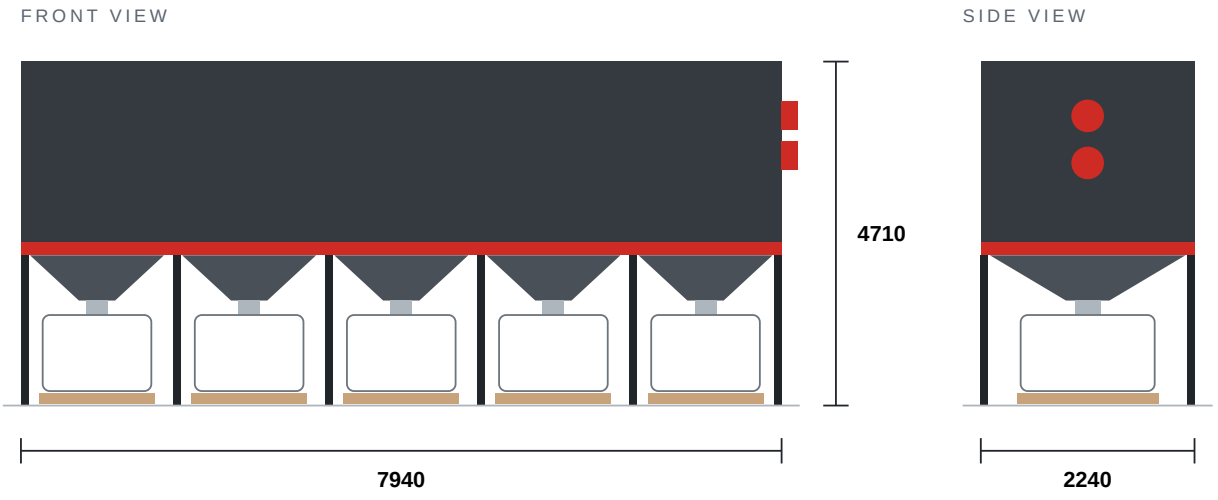
Three-quarter view: filter housing, five collection hoppers and five big bags on pallets.

/ Technical Data

Specification	HE 600 FB
Model	**HE 600 FB**
Machine type	**Filter unit**
Collected materials	**sawdust and wood shavings; dust from machining wood, particleboard and MDF**
Airflow	**60000 m³/h**
Filter area	**317 m²**
Filter elements: number / dimensions	**352 cylindrical filter elements / Ø 160 x 1780 mm**
Material collection and discharge system	**Collection in five big bags via five collection hoppers**
Collection containers: number / dimensions	**5 big bags / 1 x 1 x 1.3 m, on pallets**
Total collection volume	**6.5 m³ (6500 l)**
Overall dimensions (L × W × H)	**7940 x 2240 x 4710 mm**
Machine weight	**3100 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.

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