HELEX

PRECISION BY DESIGN

FILTER UNITS

Filter Unit with Big Bag

Dust extraction · Sawdust and wood dust · Several machines simultaneously

Filter unit for dust extraction in woodworking, with 72 cylindrical filter elements and collection in one big bag on a pallet.

MODEL HE 120 FB

12000 m^3/h	65 m^2	72	1.3 m^3
AIRFLOW	FILTER AREA	FILTER ELEMENTS	COLLECTION VOLUME



/ Application & Use

The HELEX HE 120 FB is a filter unit for the extraction of sawdust and wood dust in woodworking. It extracts from several machines at once and is intended for joinery and furniture workshops, for panel processing and solid wood processing machines. It collects sawdust and wood shavings as well as dust from machining wood, particleboard and MDF.

The filter housing contains 72 cylindrical filter elements, Ø 160 x 1780 mm, with a total filter area of 65 m². The airflow is 12000 m³/h.

The collected material passes through one collection hopper into one big bag, 1 x 1 x 1.3 m, placed on a pallet and handled with a forklift. The collection volume is 1.3 m³ (1300 l).

/ Applications & Collected Materials

APPLICATIONS

- Extraction for joinery and furniture workshops
- Panel processing and solid wood processing machines
- Extraction from several machines simultaneously

COLLECTED MATERIALS

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



Collection hopper discharging into the big bag on a pallet.

/ Structure and Configuration

1. **Filter housing**
   72 cylindrical filter elements, Ø 160 x 1780 mm, total filter area 65 m², airflow 12000 m³/h.

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

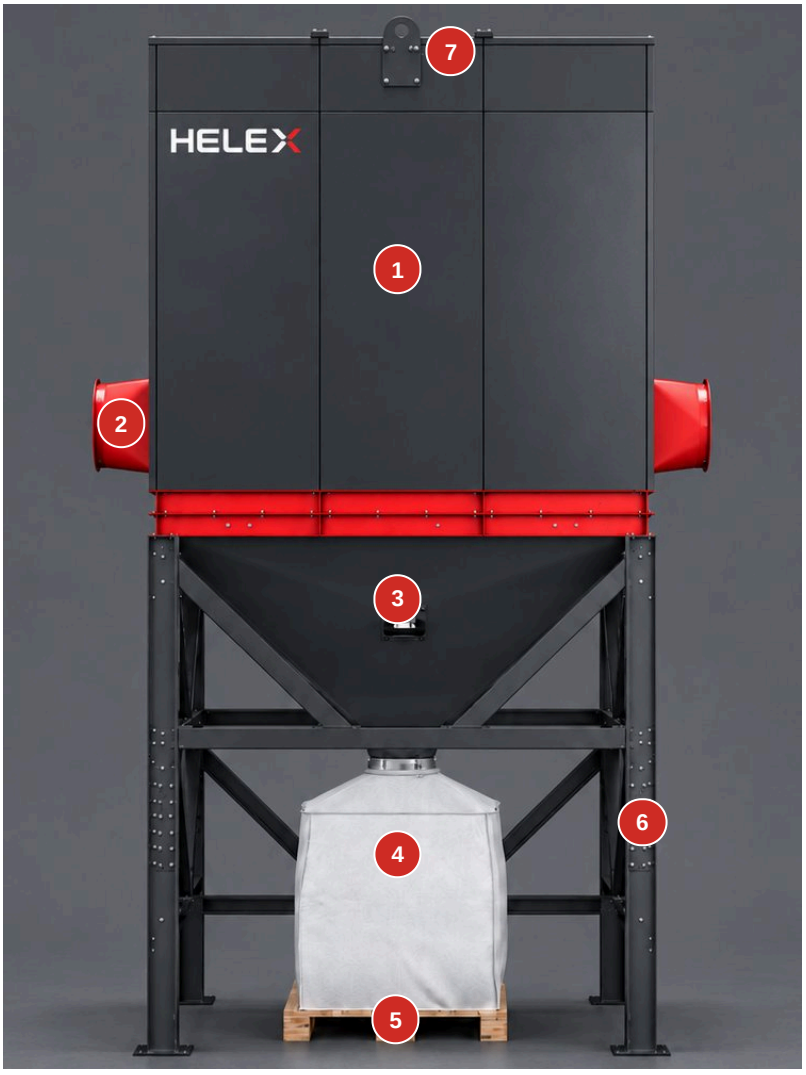
3. **Collection hopper**
   The hopper under the filter housing directs the collected material into the big bag.

4. **Big bag**
   One big bag, 1 x 1 x 1.3 m, collection volume 1.3 m³ (1300 l).

5. **Pallet**
   The big bag is placed on a pallet and handled with a forklift.

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

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



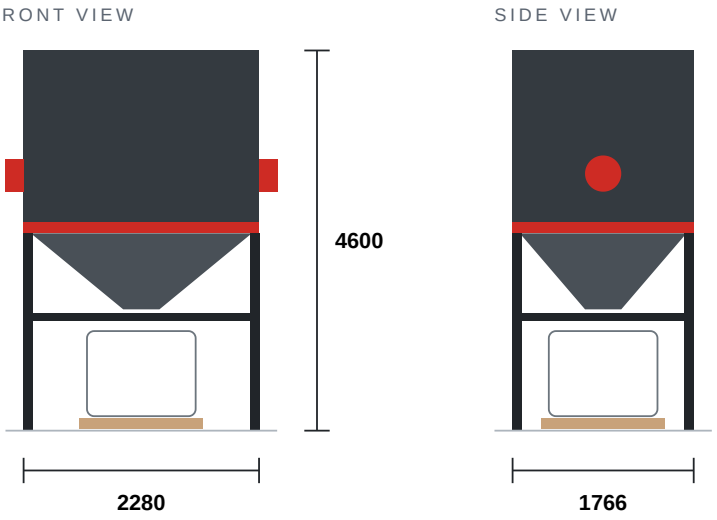
Front view: filter housing, collection hopper and big bag on a pallet.

/ Technical Data

Specification	HE 120 FB
Model	**HE 120 FB**
Machine type	**Filter unit**
Collected materials	**sawdust and wood shavings; dust from machining wood, particleboard and MDF**
Airflow	**12000 m³/h**
Filter area	**65 m²**
Filter elements: number / dimensions	**72 cylindrical filter elements / Ø 160 x 1780 mm**
Material collection and discharge system	**Collection in one big bag via one collection hopper**
Collection containers: number / dimensions	**1 big bag / 1 x 1 x 1.3 m, on a pallet**
Total collection volume	**1.3 m³ (1300 l)**
Overall dimensions (L × W × H)	**2280 x 1766 x 4600 mm**
Machine weight	**1080 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

PROMACH LTD
Str. Kolednitsa 2, et. 1
7002 Ruse, Bulgaria
VAT BG208556296

CONTACT

www.promach-machinery.com
contact@promach-machinery.com
BG +359 87 6832151
RO +40 755 023 024