



The **PETKUS Seed Cleaner K 12** is used for high-quality seed cleaning of free flowing bulky products, e.g. pulses which do not need to be processed with an indented cylinder.

The high standard of cleaning is achieved by a combination of the screening process and the air aspiration system.

### Advantages:

- Suitable for various products due to extensive setting options
- High standard of cleaning
- Simple and quick changing of screens
- Two different air volume ranges adjustable for various products
- Highly effective cleaning of the screen surfaces by screen agitators (top screen) and brushes (bottom screen)

## **Description:**

The product is moved from the inlet hopper through the pre-aspiration duct. Light rejects, husk and dust are separated here.

Afterwards, the product is transported to the screen compartment. The top screen separates large and coarse rejects. The top screen is cleaned with a screen agitator. Light rejects are separated by the bottom screen. A brush carriage cleans the bottom screen.

The screened product is transported through the final aspiration duct. Further light rejects with lower density are separated there by the air flow. The cleaned products are transported to the discharge and can be bagged-off there.

#### **Construction:**

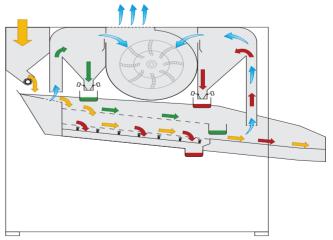
The Seed Cleaner K 12 is equipped with an inlet hopper, one pre- and final aspiration duct with depositing chambers, a screen compartment with two screen layers. The various components of the machine (inlet hopper, screen compartments, fan etc.) are operated by a V-belt system with an electric motor.

### **Standard Equipment:**

- Bolted frame made of painted sheet steel
- Set of screens for screening diagram
- Screen agitators and brush carriage
- Drive unit with 4.0 kW electric motor

# **Options:**

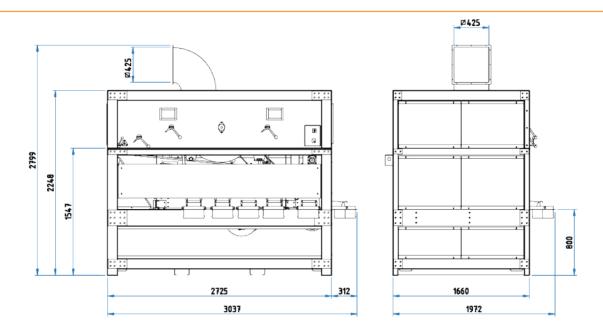
 Screens and separating cylinder casings available for a large number of different products

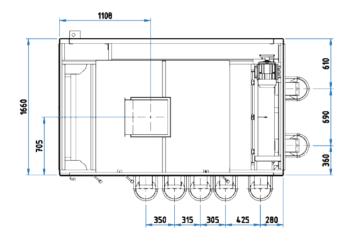


Working principle Seed Cleaner Type K 12









| Technical Data             |                 | K 12    |
|----------------------------|-----------------|---------|
| Capacity (Based on: Wheat) |                 |         |
| Pre-cleaning               | bu/hr           | 130     |
| Seed cleaning              | bu/hr           | 90      |
| Working width              | in              | 43.75   |
| Screen area                | in <sup>2</sup> | 4 588   |
| Air volume 1               | cfm             | 3180    |
| Air volume 2               | cfm             | 4 4 1 7 |
| Drive motor                | hp              | 5.5     |
| Speed                      | rpm             | 1 450   |
| Speed of the fan 1         | rpm             | 850     |
| Speed of the fan 2         | rpm             | 1 050   |
| Weight                     | lb              | 4189    |
|                            |                 |         |

| Technical Data                    |      | K 12      |
|-----------------------------------|------|-----------|
| No. of Screen layers              | pcs. | 2         |
| Upper screen layer                | pc.  | 1         |
| Lower screen layer                | pc.  | 1         |
| Cleaning of upper screen layer    |      | Agitators |
| Cleaning of lower screen layer    |      | Brushes   |
| Dimension                         |      |           |
| Length                            | in   | 119.75    |
| Width                             | in   | 77.75     |
| Height                            | in   | 88.5      |
| Total height with pipe connection | in   | 110.25    |
| Air exhaust system                |      |           |
| Diameter pipe for exhaust system  | in   | 17.75     |
| Cyclon type                       | FKA  | 1 600     |

Technical alteration reserved

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