

Automatic weighing machine AFW-40 / AFW-40 DB



Operating principle

The automatic weighing machine AFW-40 is a fully mobile unit, with a large infeed reception hopper and a modular flighted outfeed elevator belt.

In a special execution the automatic weighing machine AFW-40DB can be supplied with a wet surge hopper. This machine is executed with a slide chain conveyor system. The holding content of this bunker is 200 to 250 kg potatoes.

The electrical panel incorporates the illuminated weight parameters which are variable and the operational functions are indicated on the touchscreen.

In addition, the following adjustments are possible via the function keys:

- > automatic taring after a set number of weights;
- > creating own recipes.

The product being weighed is elevated by the modular feeding belt to the weighing hopper. When the pre-programmed weight is entered, the elevator belt delivers the product at a pre-set speed filling the weighing hopper to a pre-determined weight which is set by the operator. When the pre-set weight is within ($\pm 5\%$

adjustable) the belt speed automatically slows down to a top up speed delivering a very accurate weight into the holding hopper, dramatically reducing give away. When the required set weight is reached the contents of the weighing hopper can be discharged by the manual activation of an adjacent toggle switch. After discharging the weighing hopper is filled again and the cycle is repeated.

The maximum content of the weighing hopper is 25 litres (6,6 gallons) (approx. 15 kg (33 lbs) of potatoes). The weighing machine is equipped with a removable filling chute and a support platform which can be adjusted in height.

Capacity

Depending on the product diameter, the filling weight and type of weighing (batch weighing or lot weighing (e.g. boxes) approx. 1.200 - 1.800 kg/hr (2,640 - 3,960 lbs/hr).

Scope of supply

- > control panel with touchscreen
- > frequency controlled motor

Options

- > filling hoppers for several bag sizes

Features

- > manually and automatically operation
- > ease of access for maintenance
- > simple operation through touchscreen
- > very robust
- > hygienic design (easy to clean and disinfect)

Technical data

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|------------------------|--|--|
| | AFW-40 | AFW-40 DB |
| Voltage: | 230 V, 50/60 Hz | 230 V, 50/60 Hz |
| Total installed power: | 0.55 kW | 1.1 kW |
| Air pressure: | 6 bar | 6 bar |
| Air consumption: | 5 NI/min (0.177 scf/min) | 5 NI/min (0.177 scf/min) |
| Weight: | ± 700 kg (1,540 lbs) | ± 900 kg (1,980 lbs) |
| Dimensions (LxWxH): | 2.660 x 1.145 x 2.205 mm (106"x35"x95") | 3.340 x 1.135 x 2.310 mm (131"x45"x91") |

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