

Centrifugal Sieve DMHX.

For control sifting and screening of semi-finished and end products.



Application

The DMHX centrifugal sieve has been designed for control sifting of semi-finished and end products and for separating foreign material, husks and lumps from mealy or granular products. It is applied in the feed, pet food, and oilseed processing industries as well as in related processes.

Operating principle

The material is directed through the front-end inlet duct to the screen jacket. While gradually conveying the material toward the outlet, the rotor hurls the product against the screen jacket. As a result, small product lumps are detached. Brushes attached to the rotor clean the screen, which improves the separating efficiency. In order to support screen cleaning and to increase the throughput capacity, the machine must be aspirated.

Design versions

The centrifugal sieve is available in two different sizes, as DMHX-2 and DMHX-4. The machine is powered by a

shaft-mounted gearmotor. Depending on the specific application, perforated metal screens or wire mesh screens in different sizes can be used.

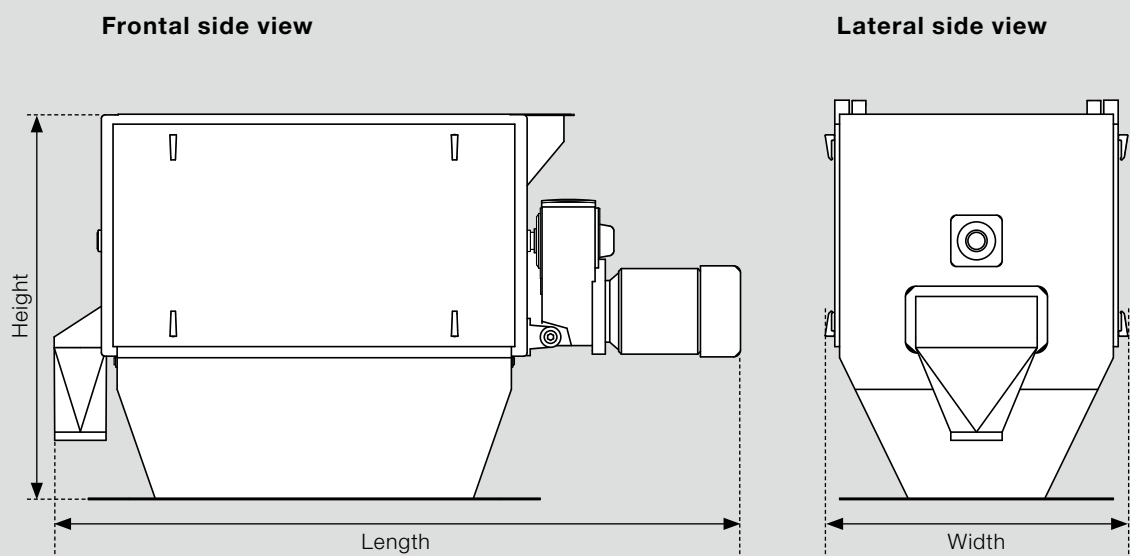
In addition, the following machine options are available:

- Aspiration system
- Product inlet
- Product outlet

Customer benefits

- High operator safety thanks to key transfer system
- Easy cleaning and access thanks to quick-action locks on side doors and screens
- Sanitary design with round edges and smooth surfaces

Machine data.



Dimensions and weights

Type	Dimensions (mm)			Weights (kg)	
	Height	Length	Width	Machine without motor	Motors
DMHX-2	1200	2100	900	350	110 (7.5 kW)/128 (11 kW)
DMHX-4	1500	2800	1400	700	200 (15 kW)/220 (18.5 kW)/250 (22 kW)

Technical data

Type	Aspiration	Screen area	Perforated metal screen			Wire mesh screen		
			Throughput	Motor	Screens	Throughput	Motor	Screens
DMHX-2	10 m³/min	121 dm²	max. 100 m³/h	7.5 kW 11 kW	D 2.0 ... 20 mm	max. 100 m³/h	7.5 kW 11 kW	1.25 ... 5.0 mm
DMHX-4	20 m³/min	278 dm²	max. 120 m³/h	15 kW 18.5 kW	D 2.0 ... 20 mm	max. 130 m³/h	15 kW 22 kW	1.25 ... 5.0 mm