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MKE Bucket Elevators



Vertical conveying for powder and granulated materials. Bucket design, drive, and housing arrangement are evaluated according to the material's properties.

APPLICATIONS

Powder and granules · Silo feeding · Plant connections

Operation and maintenance.

Every component—from bucket geometry to the drive system, and from the infeed zone to the discharge point—is part of the vertical conveying system. The MKE series is selected based on material and height requirements.

01

Feeding

Material is fed into the bottom inlet of the elevator.

02

Vertical conveying

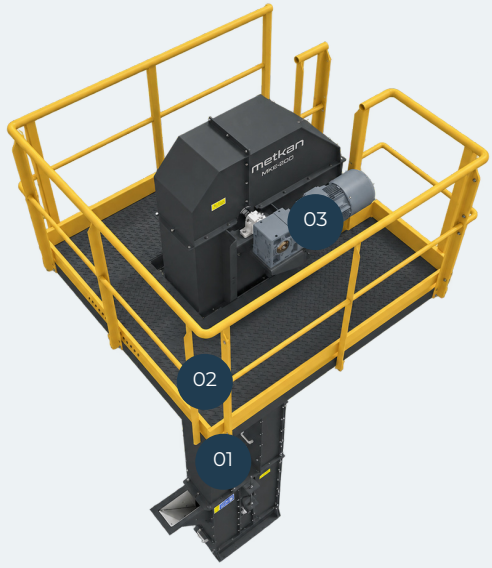
Buckets transport the material to the designated height.

03

Discharge

Material is transferred from the top outlet to the next process step.

MACHINE DETAILS



01 **Bucket selection**

Bucket volume, fill level, and speed collectively determine capacity.

02 **Vertical structure**

Casing height is determined based on the facility layout and connection points.

03 **Drive and maintenance**

Tensioning, bearings, and bucket connections are key inspection points in the maintenance plan.

APPLICATIONS

Powder and granules

Bucket and speed selection based on flow characteristics.

Silo feeding

Vertical conveying and transfer to an upper level.

Plant connections

Integration of equipment at different elevations.

Technical data.

Evaluate model selection together with material properties, target capacity and plant layout.

Technical specification	MKE-100	MKE-150	MKE-200	MKE-250	MKE-300	MKE-350
Bucket size	100	150	200	250	300	350
Casing cross-section mm	190 x 170	240 x 200	300 x 250	340 x 280	430 x 340	530 x 340
Belt width mm	120	200	250	300	350	400
Belt speed m/s	1,5	1,6	1,6	1,6	1,6	2
Pulley diameter mm	330	420	420	520	520	620
Conveying capacity m^3/h	8	22	38	71	125	148
Bucket volume L	0,38	0,87	1,79	3,18	6,7	8,6
Bucket weight kg	0,22	0,5	0,86	1,65	2,54	3,65

Selection notes

Technical data support preliminary selection. Final capacity, power, dimensions and supply scope are defined in the technical quotation.

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From machine to plant. Engineering in every detail.

Metkan develops machinery and plant solutions for construction chemicals, minerals and aggregates. At our manufacturing centre in Elbistan, we consider equipment together with feeding, conveying and production flow.

Four inputs for selection

01 **Material and product**

Material properties; for bagged products, bag type, dimensions and weight.

02 **Process target**

Inlet conditions, required product and the next production stage.

03 **Production target**

Target hourly capacity, operating hours and production pattern.

04 **Installation**

Inlet/outlet levels, connections, drive and maintenance access.

Projects and sales

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Catalogue data support preliminary selection. Final capacity, power, dimensions and supply scope are defined in the technical quotation. Images represent the product family; configurations may vary.