


DESCRIPTION

A bucket elevator is a type of vertical conveyor used to transport bulk materials (such as grain, coal, slag, sand, or cement) from one level to another. The elevator operates by utilizing a moving conveyor element with attached buckets that load material at the elevator's return station and then carry it upward, where the material is discharged at the drive station.

Basic Components of a Bucket Elevator

1. **Buckets** – Containers that load and carry the material. They are attached to the conveyor element and transfer material from the bottom to the top of the conveyor.
2. **Conveyor Element** – A chain or conveyor belt to which the buckets are fastened, ensuring the motion mechanism of the machine.
3. **Drive Unit** – The motor that powers the sprockets or drums of the elevator. The drive unit is located on the conveyor's framework.
4. **Drive and Return Stations** – The lower and upper parts of the conveyor body, equipped with sprockets or drums.
5. **Casing (Cover)** – The body of the conveyor, which protects the transported material, reduces dust and prevents contamination of the material being conveyed.

BASIC PARAMETERS

- capacity up to 100 t/h
- height up to 30 m

MODIFICATIONS

- chain
- belt

ACCESSORIES

- inspection and maintenance openings
- safety and control elements – speed sensors, stop buttons

The offer includes design, production, delivery, assembly, and commissioning according to the basic parameters specified by the customer. The design of the device and its static calculation meet the specific requirements of the customer. All products undergo strict final inspections by the quality requirements of TRANSPORTA Technology s.r.o.

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