

# Data Sheet 37.2

## Bucket Elevator EC8 Low Speed



Cimbria Low speed Bucket Elevator can be designed for a capacity up to 20 MT of wheat per hour (specific gravity 0.76 dry and cleaned) with Starco-buckets in a distance of 8.0 buckets per

meter belt and a nominal belt speed of 0.9 m/s. Other products may require other speeds and longer bucket distance for optimal operation.

m <sup>3</sup> /h	20	23	26
Bucket / m	6	7	8

Belt speed 0.93 m/s, Belt width of 200 mm.

Cimbria bucket elevators are supplied in easily assembled modular sections, in galvanised plate. The elevators are available with a wide range of accessories.

### 1. Elevator Top and Drive arrangement:

The elevator top is of bolted construction and as standard supplied with a right mounted hollow shaft gearbox with built in backstop. Outlet spout with horizontal connection to Q-flange. Drive pulley has lamellas and is rounded to ensure max. friction and a straight running belt.

### 2. Elevator Foot:

The elevator foot is of bolted construction and as standard with a Cimbria low-speed guard (type PH for 220V/AC, 24V/DC or 24V/AC) which cuts off the power to the motor, if the belt starts to slip. Built in hatch for manual cleaning of the foot. The foot is as standard fitted with a 45° inlet hopper and connection to Q20-flange.

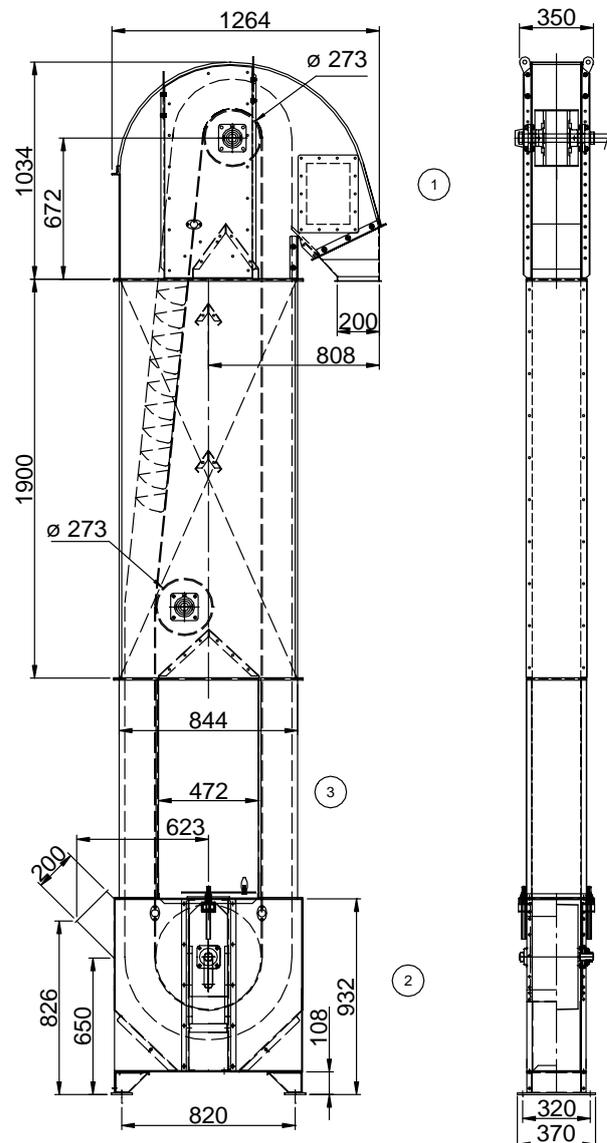
The inlet is normally on the front side of the elevator (Where the buckets move upwards in the leg). This position has the lowest power consumption. With light products it is an advantage to place the inlet on the back of the elevator (Capacity is app. reduced with 20%). The belt tensioning is done from the elevator foot by a hand wheel that adjust the pulley downwards by two spindles.

### 3. Elevator Legging (Trunking):

The elevator legging is supplied in standard lengths of 1950 mm. Distance pieces are supplied to bolt in between the leg sections. The front leg has an inspection door for easy access to belt and buckets.

### Elevator Buckets / Belt:

The buckets are "high capacity" model which is universal for many products. The belt is as standard of industrial quality, anti-static and black or white food proof. Alternatively a fat and oil resistant belt can be supplied.



### Extra Equipment:

- Misalignment switch for control of a straight running belt.
- Aspiration from both elevator legs. See data sheet 20.3.
- Explosion windows.
- Plastic wearing plate in elevator top.

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