

Data Sheet 38

Bucket Elevator ED10



Cimbria Bucket Elevators are manufactured in different sizes with capacities ranging from 5 to 700 MT of wheat per hour (specific gravity 0.76 dry and cleaned) with EK-buckets and optimal

number of buckets per meter belt and nominal belt speed. Other products may require lower belt speed and other bucket distances for optimal operation.

m ³ /h	20	40	70	140	220	355	560	635	740	935
Type	EC5	EC6	EC8	ED10	ED12	EE14	EE18	EE20	EE24	EE32
	See Data Sheet 37			Data Sheet 38	See Data Sheet 38.2		See Data Sheet 39			

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

1. Elevator Top and Drive arrangement (Data sheet 38.1):

The elevator top is of bolted construction and is as standard supplied with a right mounted hollow shaft gearbox with backstop. Alternatively with a directly mounted gearbox.

The grain is guided by a plate through the curve of the top, to the outlet. Outlet spout with horizontal connection to Q-flange. Top pulley has lamellas and is rounded to ensure max. friction and a straight running belt.

2. Elevator Boot:

The elevator boot is of bolted construction and is as standard fitted with a Cimbria low-speed guard (type PH for 200V/AC, 24V/DC or 24V/AC) which cuts off the power to the motor, if the belt starts to slip.

Pulley with lamellas and access hatch for cleaning of the boot. The boot is as standard fitted with a 45° inlet hopper and connection to Q-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 boot by a hand wheel that adjusts the bottom pulley downwards by two spindles.

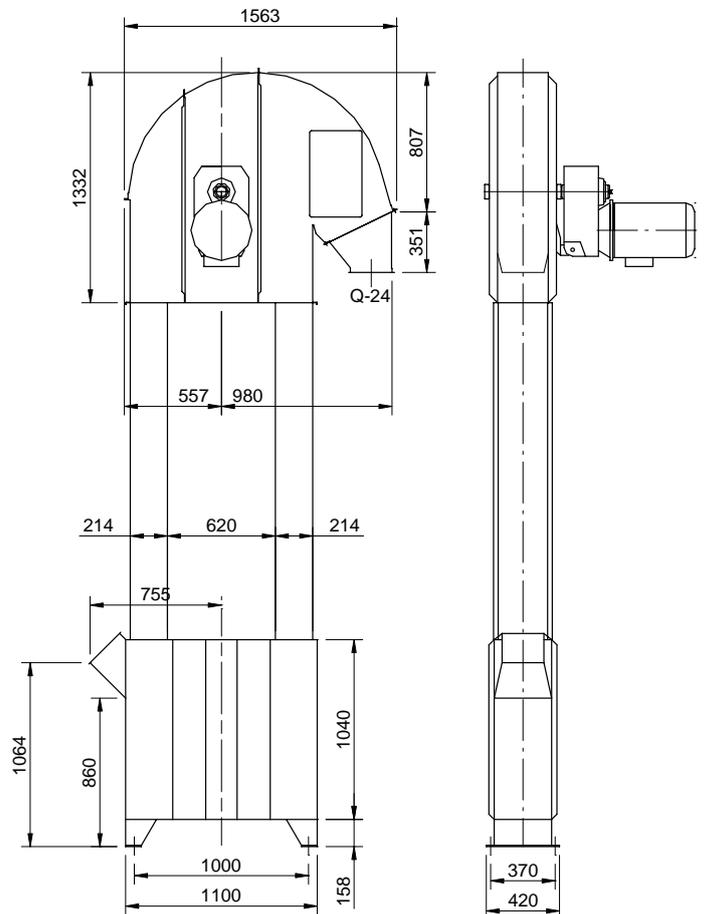
3. Elevator Legging (Trunking):

The elevator legging is supplied in standard lengths of 1950 mm, to achieve the required elevator height loose flanges are supplied to type ED10 and ED12 for the top set of legs. The legs can easily be connected via strong flanges. Distance pieces are supplied to bolt in between the leg sections.

The front elevator legging has an inspection door for easy access to belt and buckets.

Elevator Buckets / Belt:

The buckets are of a so called "high capacity" model, because the shape is good for high belt speeds and a close distance between the buckets. The belt is as standard of industrial quality, anti-static and black. 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
- Explosion windows

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