

# SPIRAL ELEVATOR – SE SERIES

## GMX Spiral Elevator (SE)

The SE Series is a special type of vibrating conveyor that convey materials vertically up to 6 meters (or more) within a very small footprint.

This series can provide the functions of cooling, heating, drying, or humidifying during the elevation process.

It can be designed as open or fully enclosed, with the vibrator motors placed either at the bottom or the top of the conveyor.



*SE Series*

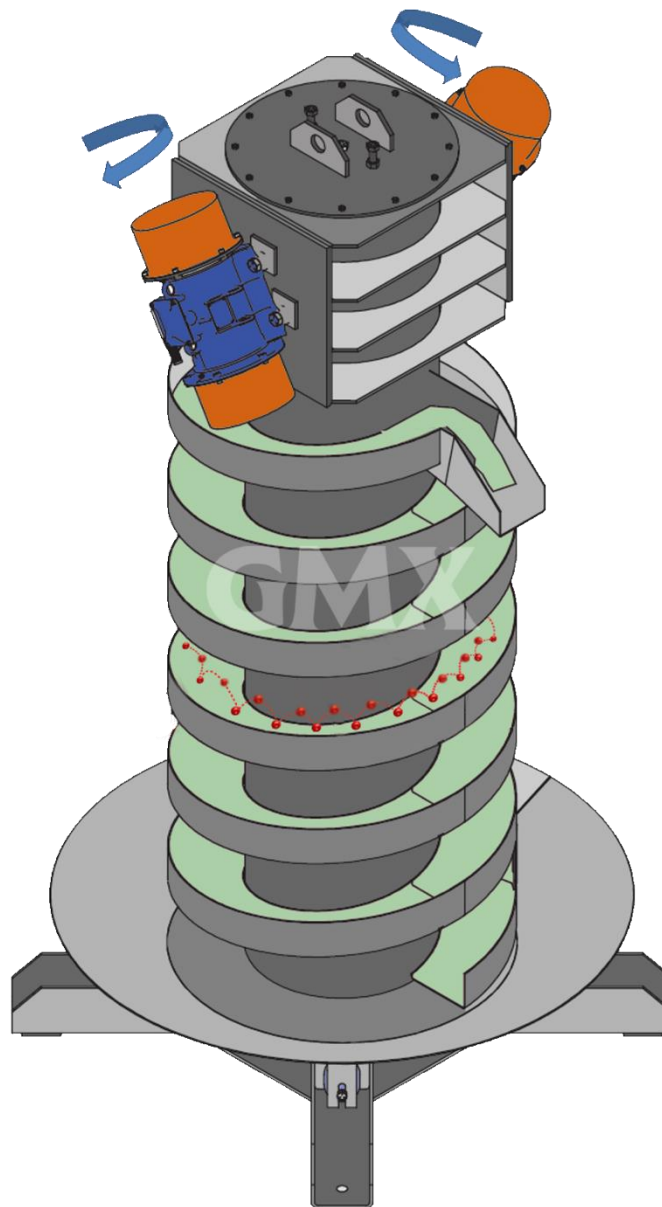
## FEATURES

- Ideal for materials difficult to handle with a bucket or belt conveyor.
- High-sanitary and easy-to-clean design with high mechanical stability and minimized installation area.
- Gentle, smooth, and consistent vertical transport with controllable retention time.
- Designed for continuous operation with no need for lubrication or regular inspection.
- Easy installation, low maintenance costs, and low noise level.
- Cooling or heating systems available upon request, using circulating hot or cold air or water.
- Fully enclosed dustproof structure available upon request.
- Motors can be positioned at the top or bottom upon request.

## HOW IT WORKS

The SE Series is equipped with dual vibrator motors mounted laterally on opposite sides of the support column, inclined towards each other. This configuration generates a 3D motion that is nearly vertical at the center while facilitating the transport of materials along the spiral trough with small, controlled jumps.

The transport process depends on the frequency and amplitude of the vibrator motors, the angle of impact, and the trough inclination.



Types		SE400	SE600	SE800	SE1000	SE1200
Spiral Diameter (D)	mm	400	600	800	1,000	1,200
Max Height (H)	mm	2,500	4,000	5,000	6,000	6,000
Max Capacity	m <sup>3</sup> /h	1	3	4	5.5	6.5
Engine Performance	kW	2×0.37-0.75	2×0.75-1.1	2×0.75-1.5	2×1.1-4.2	2×1.5-5.5

## Datasheet

Amplitude	6-9 mm
Operating speed	1000 / 1200 rpm (at 50 Hz / 60 Hz)
Construction Materials	304/316L Stainless Steel, Carbon Steel
Surface Options	Polishing, Bead blasting, Powder coating
Drive Mounting	Bottom or top
Trough Structure	Open or enclosed
Thermal system	Heating or cooling system (on request)

## Dimensions

