

Bucket elevator



Application

The bucket-elevator is designed for vertical transport of a variety of dry, free flowing bulk material efficiently and with high capacities.

Operation

The buckets are carried by a belt all contained in standard elevator legs.

The belt-elevator is outstandingly suitable as a high capacity bucket-elevator. The speed varies according to the kind of product being transported, from 1,5 to 3,5 meter/sec.

Construction

- Jig welded angle flanges assure perfect alignment of legging sections.
- Boot section with bolted side panels and slide cleanouts.
- Rubber belt.
- High capacity buckets.
- Inspection door.
- Crowned head pulley.
- Crowned boot pulley.
- Dust-tight take-ups.

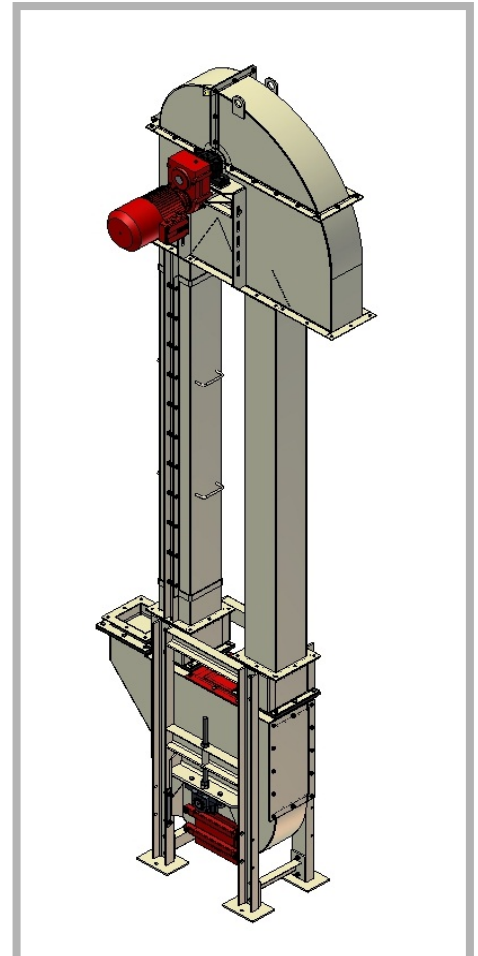
Benefits

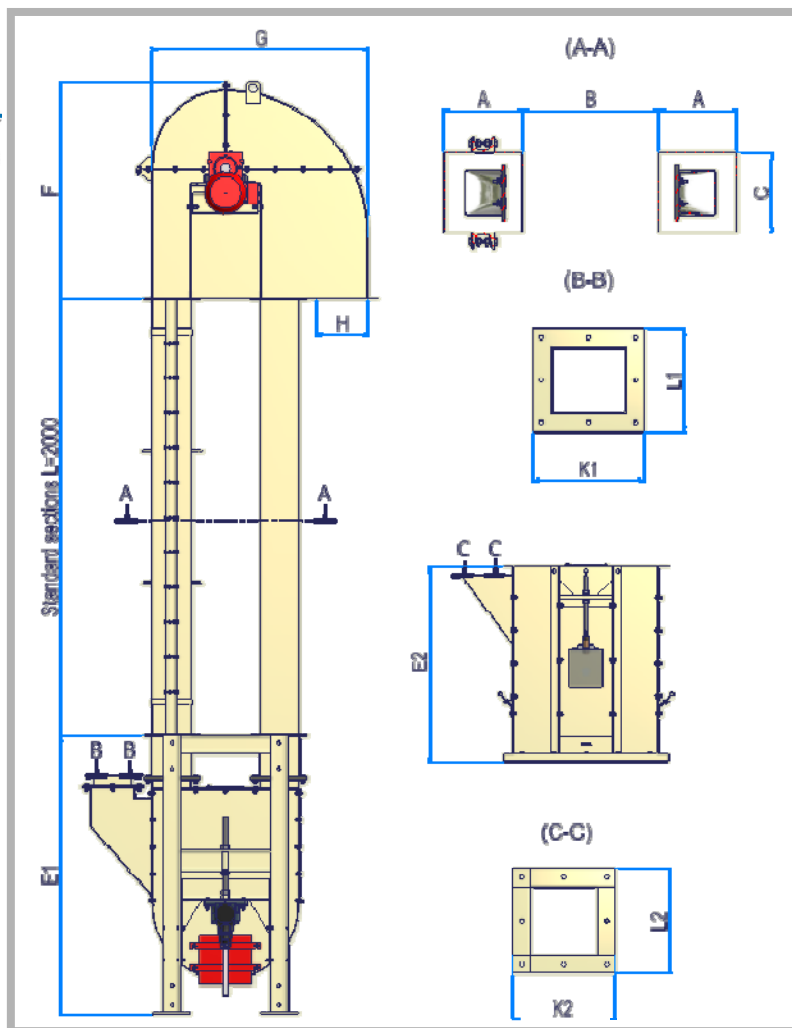
- Efficiently and simply designed.
- Totally enclosed.
- Custom-built to suit individual requirements.
- Provides efficient high capacities.



Optional extras

- Stainless steel construction.
- Squirrel cage pulleys.
- Rubber lagged pulleys.
- Plastic buckets.
- Perforated or vented buckets.
- Self-cleaning boot section.
- Revolution counter.
- Backstop to prevent reverse rotation.
- Explosion relief-panels.





Type	A	B	C	Dob	E1	E2	F	G	H	K1	L1	K2	L2
BE-4010	185	320	185	400	1275	900	1000	1020	250	260	235	240	240
BE-5013	210	430	210	500	1360	1075	1180	1220	290	280	260	290	290
BE-6018	250	500	250	600	1580	1215	1410	1480	400	410	300	330	330
BE-7028	270	600	350	700	1850	1455	1590	1720	500	450	380	430	430
BE-7045	320	600	560	700	1850	-	1640	1820	500	470	570	-	-

*** standard length (earlier 2500mm, lately 2000mm)

Type	Capacity* (m ³ /h)	Vmin (m/s)	Vmax (m/s)	Weight** (kg+kg/m)	Volume (m ³ +m ³ /m)
BE-4010	40	1,5	3,5	225+30	0,4+0,10
BE-5013	65	1,5	3,5	290+40	0,6+0,12
BE-6018	120	1,5	3,5	500+50	1,0+0,16
BE-7028	235	1,5	3,5	1060+75	2,2+0,25
BE-7045	358	1,5	3,5	1270+90	3,5+0,50

* at speed 2,5 m/sec

** excluding drive equipment