

Animal Feed Milling

Bucket Elevators EC-220 – EF-220

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Description ▼

The EC and EF – series Bucket Elevators for vertical conveying granular and powdery materials consist of a casing entirely manufactured from galvanized or painted mild steel. The elevators consist of a head section with rubber-coated pulleys driven by a gear motor, a foot section with squirrel cage pulley and screw tensioning system for the belt. The material is conveyed by means of HDPE polyethylene buckets which are fixed to an oil-repellent rubber belt.

Function ▼

EC and EF-series Bucket Elevators are designed for vertical conveying materials such as cereals and similar products having a grain size between 1 and 13mm. Powders can be equally handled provided they are dry, free-flowing, non-abrasive.

EC and EF series have a high elevation speed (2.4 - 3.1 m/s) and a large number of buckets per metre.



Application ▼

EC and EF Bucket Elevators, in their various sizes are widely used in Animal Feed Milling. They are generally used in all those processes where vertical conveying is required. They are specially designed to handle all kinds of cereals, coarse or fine powders, mash and bran.

Benefits ▼

- ✓ Solid and robust design;
- ✓ Easy installation thanks to modular components;
- ✓ Suitable for explosive environments;
- ✓ Totally enclosed equipment, dust-tight construction;
- ✓ Low maintenance and small footprint;
- ✓ Outlet shape designed for highest discharge efficiency;
- ✓ Matching complementary equipment (see Chain Conveyors).



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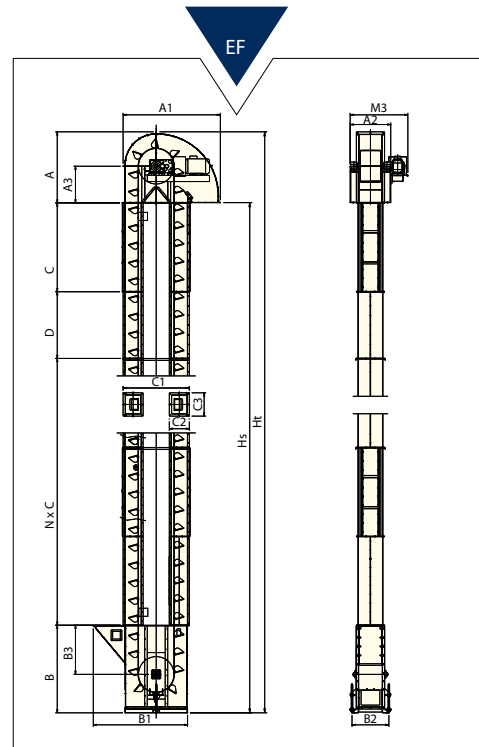
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Technical Features / Performance ▼

- ▶ Throughput rates up to 1,400 m³/h
- ▶ Discharge height up to 45m
- ▶ Inspection doors on foot, loading and discharge section
- ▶ Wide range of accessories:
 - ATEX II3D T4 certification
 - Certified anti-explosion pressure relief panels
 - Self-cleaning foot section
 - Electrical control systems
 - Venting outlet for de-dusting system
 - Anti-wear plates on foot and head section on request
 - Maintenance platform
 - 304/316 SS versions



Overall Dimensions ▼

Model	EF 08	EF 09	EF 11	EF 20	EF 21	EF 29	EF 30	EF 32	EF 39	EF 40	EF 42	EF 43
m ³ /h	8	16	27	36	55	85	106	151	186	232	341	409
Granular Material	EC 08	EC 09	EC 11	EC 20	EC 21	EC 29	EC 30	EC 32	EC 39	EC 40	EC 42	EC 43
m ³ /h	10	20	33	45	69	107	133	188	232	291	336	409
h min./max.	3 ~ 45	3 ~ 45	3 ~ 45	3 ~ 45	3 ~ 45	3 ~ 45	4 ~ 45	4 ~ 45	4 ~ 45	4 ~ 45	4 ~ 45	4 ~ 45
Drum Diameter (mm)	250	250	320	400	400	400	400	500	500	500	610	610
Casing Cross Section	145 x 145	145 x 145	186 x 166	236 x 200	236 x 200	300 x 250	300 x 250	340 x 280	430 x 340	430 x 340	525 x 340	525 x 340
A	602	602	770	922	922	1,056	1,056	1,197	1,408	1,408	1,485	1,485
A1	822	822	1,028	1,224	1,224	1,422	1,422	1,632	1,896	1,896	1,980	1,980
A2	335	335	390	440	440	620	620	700	810	810	962	962
A3	300	300	400	450	450	740	520	600	700	700	745	745
M3	530	530	640	713	713	890	890	1,030	1,140	1,140	1,370	1,370
B	753	753	923	1,104	1,104	1,320	1,320	1,437	1,670	1,670	1,806	1,806
B1	812	812	941	1,135	1,135	1,372	1,372	1,504	1,746	1,746	1,885	1,885
B2	310	310	384	432	432	490	490	586	700	700	782	782
B3	400	400	450	550	550	720	720	750	790	790	1,000	1,000
C	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
C1	548	548	764	822	822	922	922	1,074	1,196	1,196	1,300	1,300
C2 x C3	209 x 209	209 x 209	230 x 250	264 x 300	264 x 300	336 x 386	336 x 386	364 x 424	426 x 516	426 x 516	426 x 611	426 x 611
D	500-1,500	500-1,500	500-1,500	500-1,500	500-1,500	500-1,500	500-1,500	500-1,500	500-1,500	500-1,500	500-1,500	500-1,500
N	DEPENDENT ON HEIGHT											

This datasheet does not show the complete range but only the models most suitable for the application.



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