

Data Sheet

Elevator

RGEL Heavy duty line

Grain Logistics

Conveyors



Technical data

Type	Throughput [t/h] at belt speed =				Buckets per meter / bucket rows Throughput [t/h]	Motor power max. [kW] Height [m]	Max. throughput – reduced height		Max. height – reduced throughput	
	1.5 m/s	2.0 m/s	2.5 m/s	3.0 m/s			Throughput [t/h]	Height [m]	Throughput [t/h]	Height [m]
RGEL 630x570	198	265	330	397	5.5 / 1	75	382	41	242	62
RGEL 800x570	198	265	330	397	5.5 / 1	110	396	67	305	83
RGEL 800x800	273	363	455	545	5.5 / 2	160	541	74	463	83
RGEL 800x980	352	470	585	705	5.5 / 2	200	700	70	567	83
RGEL 1000x1190	407	545	680	815	5.5 / 3	250	811	73	690	83
RGEL 1000x1360	455	605	755	910	5.5 / 4	300	905	75	785	83
RGEL 1000x1640	580	770	970	1160	5.5 / 4	355	1155	73	975	83
RGEL 1000x1900	705	940	1170	1410	5.5 / 4	400	1400	70	1130	83

The specified values refer to grain with bulk density $\gamma = 0.75 \text{ t/m}^3$ and products with similar flow characteristics for vertical transport. The effectively possible values depend always on application, interpretation and transportation tasks.

- Throughput limited by number of buckets & bucket loading rate
- Overall height limited by belt loading

- Overall height limited by design
- Throughput limited by belt loading

Type	Belt			Belt pulley	
	Belt width [mm]	Quality [N/mm] (max.)	Number of plies (max.)	Diameter [mm]	Width [mm]
RGEL 360x570	530	1000	4	630	570
RGEL 800x570	530	1600	4	800	570
RGEL 800x800	750	1600	4	800	800
RGEL 800x980	910	1600	4	800	980
RGEL 1000x1190	1120	1600	4	1000	1190
RGEL 1000x1360	1290	1600	4	1000	1360
RGEL 1000x1640	1570	1600	4	1000	1640
RGEL 1000x1900	1810	1600	4	1000	1900

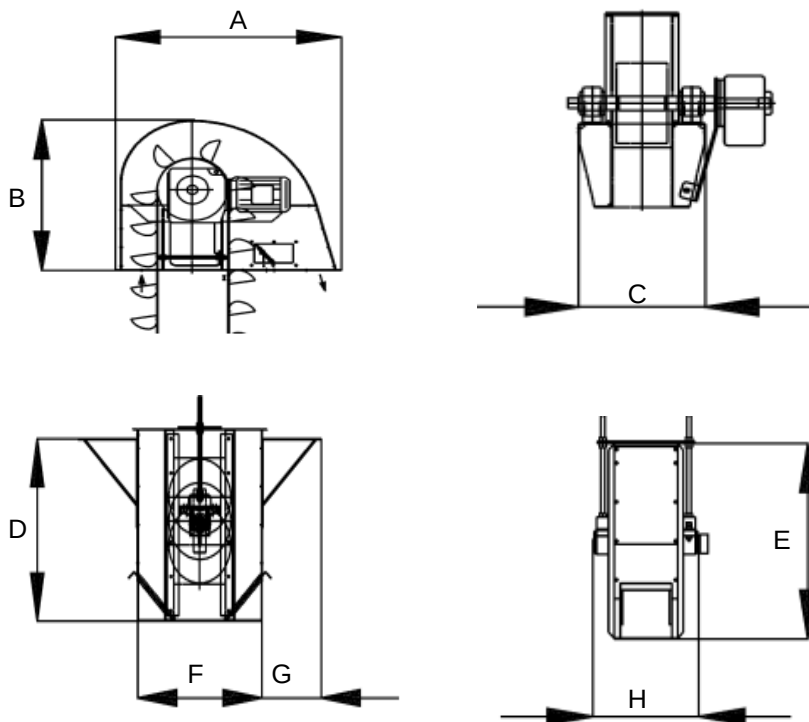
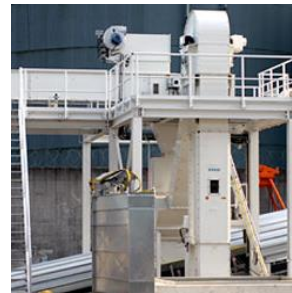
Data Sheet

Elevator

RGEL Heavy duty line

Grain Logistics

Conveyors



Type	Dimensions [mm]*								
	Elevator head			Elevator boot					Casing size
	A	B	C	D	E	F	G	H	rectang. round
630x570	1987	1519	1052	1531	1606	1250	764	944	360x630
800x570	2382	1704	1230	1791	1956	1460	766	1036	385x630 Ø 695
800x800	2382	1706	1460	1791	1956	1460	766	1296	385x860 Ø 905
800x980	2382	1706	1640	1791	1956	1460	766	1476	385x1040
1000x1190	2582	2056	1870	2173	2258	1660	768	1781	385x1270
1000x1360	2582	2056	2140	2173	2258	1660	768	1951	385x1440
1000x1640	2582	2056	2420	2173	2258	1660	768	2231	385x1720
000x1900	2582	2056	2680	2173	2258	1660	768	2521	385x1980

* The values specified are not binding; subject to technical modifications without notice. If installation space is restricted, recheck the dimensions of the conveyor when order is awarded.

Bühler GmbH
Grain Logistics
DE-92339 Beilngries, Germany
T +49 8461 701 0
F +49 8461 701 133
grain-logistics@buhlergroup.com
www.buhlergroup.com

