



Chain Conveyor.
AHKA.

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Chain conveyor – Stainless steel conveyors as well as transportation tasks of finished products in processing plants.

The elevated sanitation requirements in processing plants such as grain and feed mills are fully met by the AHKA chain conveyor. Bühler has equipped this special chain conveyor with a self-cleaning deflection unit and automatic chain take-up, which ensure unrivaled operating reliability and maximum uptime. Per hour, this unit is capable of moving up to 200 metric tons of floury, mealy as well as fine- and coarse-grained materials.

Customer value

- Sanitary design
- High operating reliability
- Easy maintenance
- Special design flour collector



Stainless steel conveyors as well as transportation tasks of finished products in processing plants.



Sanitary design

Deflection plates at the drive and return ends prevent material deposits. Enclosed outlet gates form a completely level surface together with the casing bottom, allowing material distribution without cross-contamination.



High operating reliability through extensive safety features

The zero-speed detector installed at the return shaft detects every standstill of the chain and immediately stops the conveyor. An automatic and controlled chain take-up ensures constant chain tension.



Easy maintenance

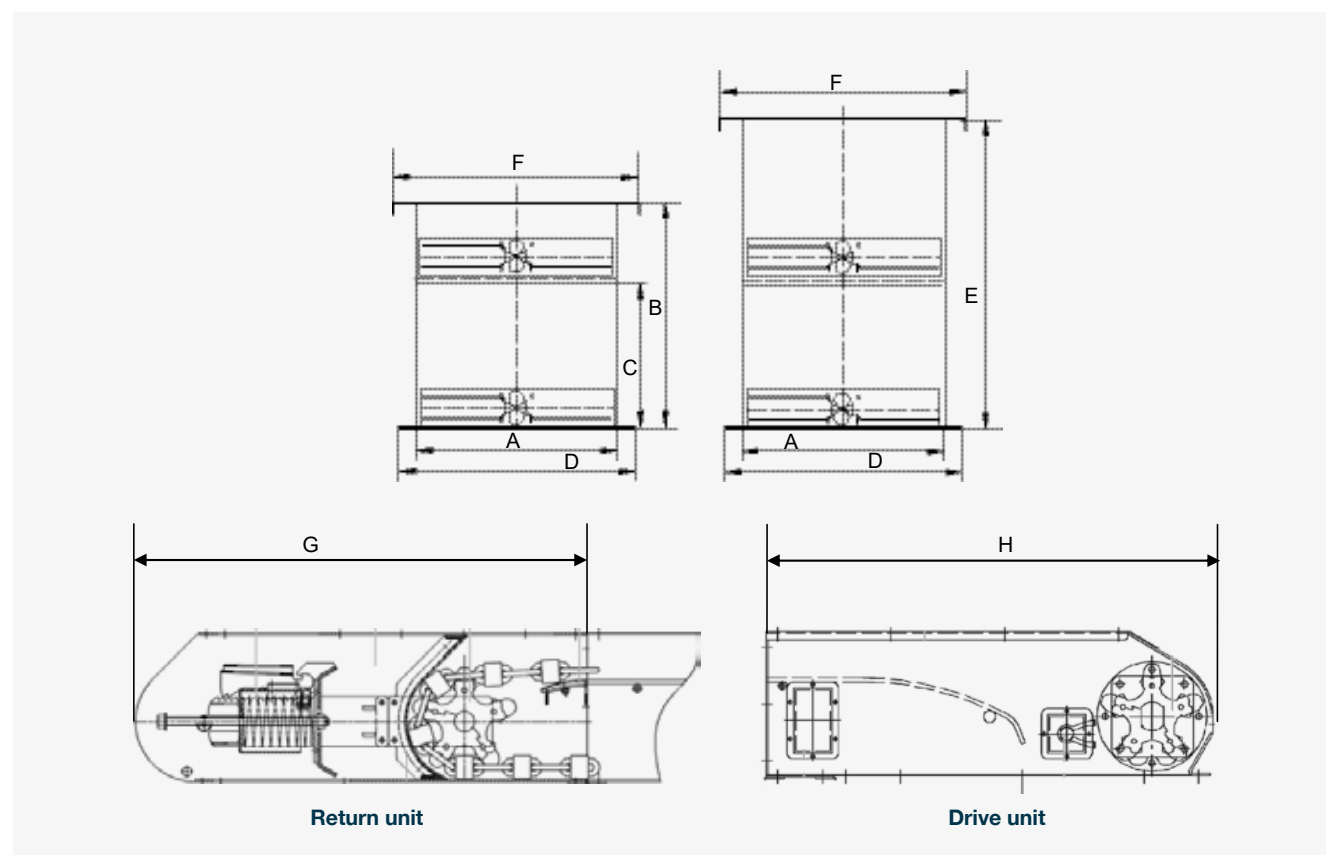
The use of screw fasteners on the sprocket wheel and the chain flights enables these components to be exchanged inside the conveyor whenever required.*



High versatility – Special design flour collector

The AHKA-25 is a design version tailored to the “flour collection” application. The casing walls and the bottom are made of edged sheet and not bolted as usual. The chain is a round link chain with injection molded plastic flights.

Model variants and specifications



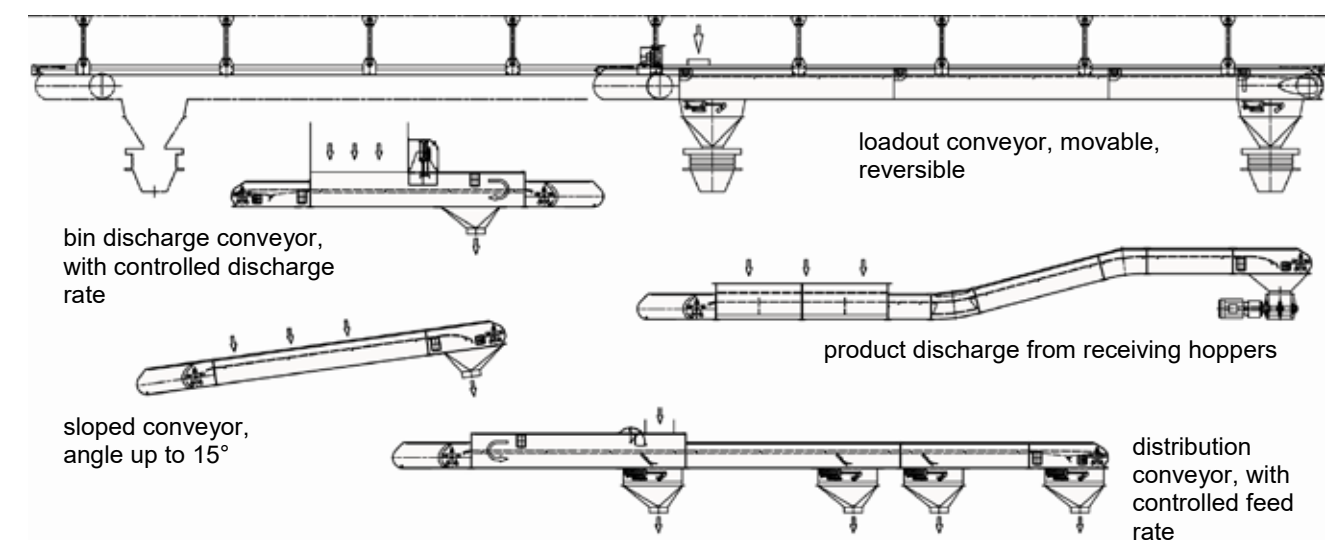
Type	Dimensions (mm)*							
	A	B	C	D	E	F	G	H
25	180	190	110	230	269	230	800	600
50	240	240	138	290	344	300	900	900
100	315	350	210	375	480	390	1100	1100
200	400	435	285	460	630	475	1200	1200

* 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.

Technical data

Type	Throughput (t/h) at v=			Motor power max. (kW)	Length max. (m)	Cross-section (m ²)	Conveying chain		Sprocket Teeth
	0.4 m/s	0.6 m/s	0.8 m/s				Pitch (mm)	Allowable tensile force (kN)	
AHKA 25	19	28	-	3.0	40	0.018	2 x 38	4	5
AHKA 50	31	46	60	9.2	60	0.031	2 x 55	16	5
AHKA 100	60	90	122	22	60	0.066	2 x 70	25	5
AHKA 200	105	158	208	22	60	0.114	2 x 70	25	7

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



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