



DING BO

TH Bucket Elevator

Capacity:15.77-94t/h
Max. Input Size: 30-60mm



Craftsmanship
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Features

- 1. Widely usage, it can elevate powdery material, particles, small lump material.**
- 2. Flexible to select mixing or centrifugal discharge method according to material properties.**
- 3. Good sealing, no dust escape. Clean and environmental protection.**
- 4. Using rubber belt with small dead load, flexible, stable operation, thus elevating speed and process efficiency is higher.**



Application

Cement, metallurgy, mine, glass, coal and other industries.

Material

For conveying cement, cement clinker, crushed lime, sand, compound fertilizer, coal, grain and other bulk material etc.

TH Bucket elevator is designed for vertical transportation powder, granular materials and small block and grinding of small materials, such as: coal, cement, stones, sand, clay, ore and so on.







Technical Parameters

Model upgrade		TH160		TH200		TH250		TH315		TH400	
Bucket type		Zh	Sh	Zh	Sh	Zh	Sh	Zh	Sh	Zh	Sh
Conveying capacity (cubic/h)		15.77	24.97	17.87	28.6	31.43	48.19	35	59	58	94
Bucket	Bucket capacity (t)	1.2	1.9	1.5	2.4	3.0	4.6	3.75	6	5.9	9.5
	Bucket pitch (mm)	500		500		500		512			
Chain	Round steel support * pitch (mm)	Φ14*50		Φ14*50		Φ14*50		Φ18*64			
	Single-pull breaking load (KN)	≧190		≧190		≧190		≧320			
Weight of traction member per unit length (Kg/m)		20		23		25		26.2	27.6	31.1	32.7
Bucket running speed (m/s)		1.2		1.2		1.2		1.4			
Transmission gear revolution (z/min)		69.71		63.22		44.11		42.5		37.6	
Maximum lump size of conveyed material (mm)		20		25		30		35		40	

Notice: Any change of technical data shall not be advised additionally.



WORKING PRINCIPLE

TH bucket elevator consists of frame, drag part (conveyor chain), hopper, drive wheel (head wheel), feeding inlet (input inlet) and discharging outlet (output outlet). The materials get into the bottom of the elevator through chute, then scooped up by hoppers and elevated to the top along with the conveying chain. After get round the top wheel, the materials turn down into the discharging outlet, thereby conveyed to the required position. The whole process is accomplished inside the frame, preventing the dust floating.

The drag part uses high strength high quality alloy steel chain. Sprocket wheel with the sprocket rim composite structure has long lifetime and easy to replacement. The lower part using the gravity automatic devices can keep constant tension force, avoid skid or take off the chain and get certain yieldability, effectively protect lower shaft parts and other parts when hoppers get stuck accidentally.



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