

Bucket Elevator Belt - Technical Model Matrix

Standard specifications for bucket width, bucket volume, conveying capacity, and maximum lifting height

Specification & Parameters	250	315	400	500	630	800	1000	1250	1400	1600
Bucket Width (mm)	250	315	400	500	630	800	1000	1250	1400	1600
Bucket Volume (L)	5	6.5	14.6	18	29	37	58	73	99	114
Conveying Capacity - ϕ 100% (m³/h)	85	117	225	280	450	570	950	1255	1547	1780
Conveying Capacity - ϕ 75% (m³/h)	63	88	168	210	338	428	712	941	1160	1335
Lifting Height (m)	> 100	> 100	> 100	> 120	> 120	> 120	> 130	> 130	> 130	> 130

Engineering and design notes

- 1. **Bucket capacity definition:** Listed bucket volume indicates water-level holding capacity. ϕ represents the material filling-efficiency ratio based on material granularity and flow characteristics.
- 2. **Height calculation:** Maximum lifting height refers to the center-to-center distance (C) between the head drive shaft and tail take-up shaft.

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