FEED AND BIOFUEL

BUCKET ELEVATOR

TYPE BE50-80-150-200-300-500-700
Bucket elevator
Type BE50–80–150–200–300–500–700

ANDRITZ bucket elevators are designed for vertical conveying of grain, granulates, pellets, and meal products. The bucket elevators are manufactured for industrial use in modern processing plants where a high degree of automation requires solid and reliable construction. The BE series bucket elevators are designed for high capacity – up to 270 m³/h at a maximum height of 50 m and are also designed to be dustproof to meet the requirements of a variety of feed and biofuel applications.

**MODULAR CONSTRUCTION**
The design of the BE bucket elevator is based on standard, modular elevators, which consist of a bottom, head and pipe section. The sections are connected with bolted flanges for easy mounting. The structure of the elevator is self-supporting up to 30 m but may require lateral support.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity m³/h</th>
<th>Bucket type</th>
<th>Bucket per meter</th>
<th>Belt width mm</th>
<th>Motor kW</th>
<th>Max. height at max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE50</td>
<td>15 / 20 / 25 / 30 / 35</td>
<td>S100–90 HDP–MD</td>
<td>6 / 8 / 10 / 12 / 14</td>
<td>120</td>
<td>1.1 – 5.5</td>
<td>50</td>
</tr>
<tr>
<td>BE80</td>
<td>35 / 40 / 44 / 49 / 54</td>
<td>S130–120 HDP–MD</td>
<td>7 / 8 / 9 / 10 / 11</td>
<td>150</td>
<td>1.1 – 7.5</td>
<td>50</td>
</tr>
<tr>
<td>BE150</td>
<td>55 / 64 / 73 / 83 / 92</td>
<td>S180–140 HDP–MD</td>
<td>6 / 7 / 8 / 9 / 10</td>
<td>200</td>
<td>1.5 – 15</td>
<td>50</td>
</tr>
<tr>
<td>BE200</td>
<td>88 / 106 / 123 / 141</td>
<td>S230–170 HDP–MD</td>
<td>5 / 6 / 7 / 8</td>
<td>250</td>
<td>2.2 – 18.5</td>
<td>50</td>
</tr>
<tr>
<td>BE300</td>
<td>106 / 127 / 148 / 169</td>
<td>S280–170 HDP–MD</td>
<td>5 / 6 / 7 / 8</td>
<td>300</td>
<td>3.0 – 22</td>
<td>50</td>
</tr>
<tr>
<td>BE500</td>
<td>159 / 191 / 223</td>
<td>S350–180 HDP</td>
<td>5 / 6 / 7</td>
<td>370</td>
<td>4.0 – 30</td>
<td>50</td>
</tr>
<tr>
<td>BE700</td>
<td>178 / 222 / 267</td>
<td>S370–215 HDP</td>
<td>4 / 5 / 6</td>
<td>400</td>
<td>5.5 – 37</td>
<td>50</td>
</tr>
</tbody>
</table>

ST = Standard bottom, SC = Self cleaning bottom.
Capacities in m³ for grain.
Specified capacities are calculated based on a belt speed of 2.45 m/s.
Filling level of bucket is stated to be between 75% and 80%.
The data provided refers to a filling level of 80%.
**SHAFT-MOUNTED GEARED MOTORS**

The bucket elevator is available with shaft-mounted bevel or helical geared motors requiring a minimum of maintenance. The gear motors can be mounted either on the left or on the right, again securing a high degree of flexibility.

**SURFACE TREATMENT**

RAL1013, galvanized or stainless steel.

**ACCESSORIES PROGRAM**

In addition, an extensive accessories program is available, comprising:

- Misalignment control
- Speed guard
- Dust extraction
- Explosion relief
- Inlet regulating
- Spot filter, type DFAK

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### Dimension Sketch

| A | B | C | D | E | F | G (ST/SC) | G1 | G2 | G3 | G4 | H | I | J | K | L | U | V | V1 | V2 |
|---|---|---|---|---|---|-----------|----|----|----|----|---|---|---|---|---|---|---|---|----|----|
| BE50 | 1008 | 330 | 305 | 151 | 180 | 252 | 700/850 | 957 | 494 | 61 | 592 | 469 | 402 | 580 | 169 | 574 | 159 | 145 |
| BE80 | 1170 | 411 | 392 | 185 | 211 | 286 | 800/950 | 1157 | 610 | 61 | 694 | 547 | 436 | 742 | 204 | 740 | 200 | 540 |
| BE150 | 1485 | 493 | 425 | 217 | 244 | 351 | 1000/1150 | 1350 | 725 | 62 | 804 | 644 | 550 | 906 | 269 | 905 | 225 | 679 |
| BE200 | 1715 | 583 | 452 | 245 | 272 | 406 | 1260/1400 | 1588 | 855 | 62 | 1013 | 830 | 717 | 1086 | 324 | 1085 | 270 | 814 |
| BE300 | 1790 | 583 | 477 | 270 | 297 | 456 | 1260/1400 | 1628 | 889 | 63 | 1013 | 830 | 717 | 1086 | 374 | 1085 | 270 | 814 |
| BE500 | 2042 | 659 | 562 | 333 | 364 | 586 | 1400/1500 | 1838 | 970 | 90 | 1139 | 901 | 661 | 1232 | 504 | 1236 | 328 | 908 |
| BE700 | 2325 | 713 | 669 | 346 | 373 | 612 | 1400/1500 | 2020 | 1083 | 85 | 1298 | 1009 | 748 | 1340 | 530 | 1344 | 354 | 990 |

Dimensions in mm
GLOBAL SUPPLIER – LOCAL PRESENCE

With sales, service, engineering, manufacturing and production sites located all around the world, ANDRITZ Feed and Biofuel is truly a global organization with a local presence. ANDRITZ is vital to ensuring a reliable global supply of aqua feed, animal feed, pet food, and biofuel. With full process lines accounting for half the world’s production of aqua feed and biomass alone, we continuously support leading producers in achieving the highest levels in safety, quality, and control from feedstock to final product.

How can we help grow your business?

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