



# BELT CONVEYOR

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## Belt Conveyor Application

The conveyors consist of standard parts, which are advanced and simple in structure, easy to maintain. Our vibrating equipment is adaptable for stationary and mobile crushing plants. They are widely used in mining, metallurgical and coal industry to transfer sandy or lump materials, or packaged materials. According to different transferring equipment, the transfer system can be one independently or multi-conveyors or combined with other transfer equipments. The belt conveyor can be installed horizontally or aslope to meet the needs of different transfer lines.

## Belt Conveyor Features and Benefits

The belt conveyors produced by SJLC can be operated in the temperature situation ranging from  $-20^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ . The temperature of transferred material by this belt conveyor should be lower than  $50^{\circ}\text{C}$ . The types of the belt conveyors produced by SJLC are as follows:

1. Devided by Driving Method:
  - a. STD-Mechanical Drive: It's driven by cycloidal pinwheel reducer (with outdoor motor ) and chain-drive mechanism.
  - b. STDJ II Mechanical Drive Series. It adopts upside-down reducer and belt-drive mechanize.
  - c. STD-Electric Rotor Drive Series: It's driven by electric rotor.
2. Divided by Installation Methods
  - a. Fixed Series : It's directly installed on foundation.
  - b. SDY-Portable Series: It can be easily and freely moved and the capacity can be adjusted.
3. Divided by Structures:

The belt conveyors produced by SJLC have three different structures.

  - a. U-steel
  - b. Frame
  - c. Truss

### NOTE:

There are two kinds of conveyors, one equipped with repairing walkway while the other without. When ordering the machine, the customers should give us clear instruction.





## Belt Conveyor Specification

Belt Width(mm)	Belt Length (m) /Power (Kw)			Belt Speed(m/S)	Capacity(t/h)
400	≤12/1.5	12~20/2.2~4	20~25/3.5~7.5	1.3~1.6	40~80
500	≤12/3	12~20/4~5.5	20~30/ 5.5~7.5	1.3~1.6	40~80
650	≤12/4	12~20/5.5	20~30/7.5~11	1.3~1.6	131~323
800	≤6/4	6~15/5.5	15~30/7.5~15	1.3~1.6	278~546
1000	≤10/5.5	10~20/7.5~11	20~40/11~12	1.3~2.0	435~853
1200	≤10/7.5	10~20/11	20~40/15~30	1.3~2.0	655~1284

**Note:** This specification is just for reference, any changes are subject to the products

### NOTE:

1. The capacity in the above table is calculated under the following conditions: the density of the transferred material is 1.0t/ m<sup>3</sup>~1.6t/ m<sup>3</sup>, the transferring angle is ≤18°, and stacking angle of the transferred material is 30°.
2. The belt conveyor is used to transfer the material the density of which is less than 2.5t/ m<sup>3</sup>.
3. The length of the belt conveyor is limitless. We can design and manufacture it according to customers' special requirement.