

## STEEL SLATED CONVEYOR

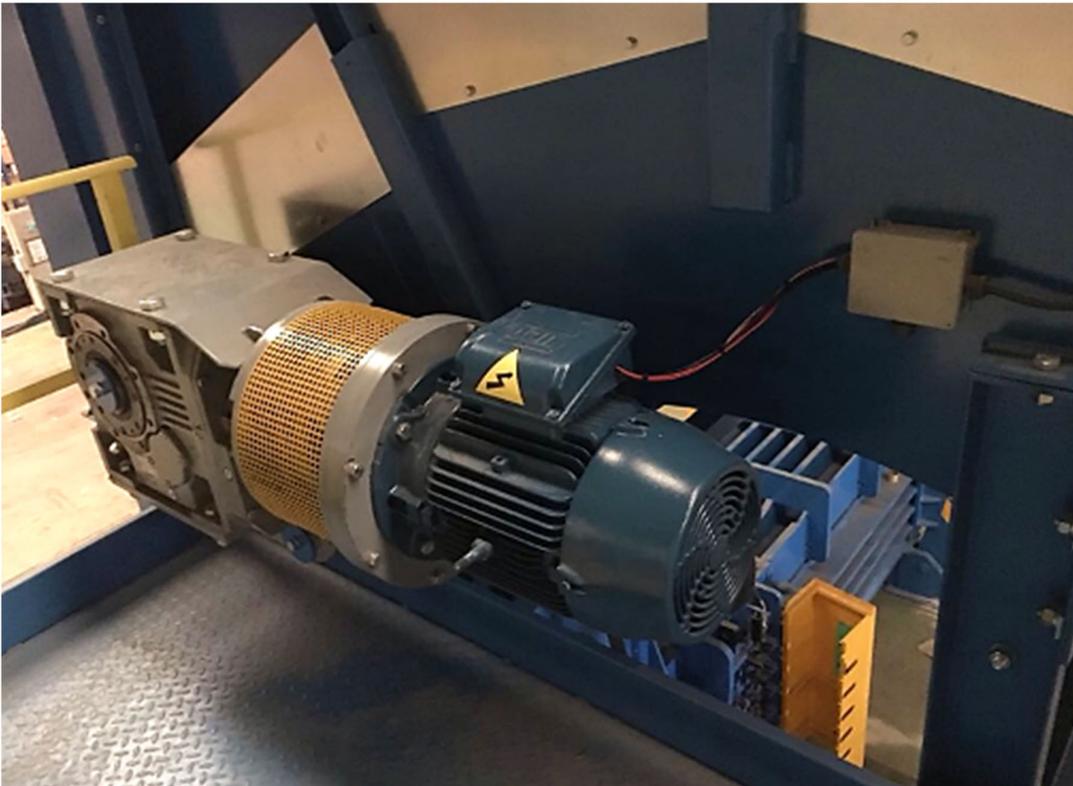


## **STEEL SLATED CONVEYORS**

### **DESCRIPTION**

IMABE designs and manufactures metal conveyor belts with the following characteristics:

- They are based on a system of steel slats, mounted and pulled by chains with robust metal support rollers.
- Bucket-shaped vertical section profiles are mounted on the horizontal metal slats of the conveyor belt to facilitate materials pull and ascension to the upper part of conveyor for material feeding.
- A system of articulated lateral flanges on the pulling slats form a labyrinth to keep the waste out the lower sidings of the conveyor.
- The conveyors are self-supporting with support legs adapted to the structure of the conveyor forming a solid unit.
- The conveyor chain incorporates a semi-automatic lubrications system by oil drop directly in to conveyor chain. Auto-lubrication system is available as optional feature.
- The motor heads for the conveyor belts consist of an electric motor and speed reducer with straight gears. A centrifugal hydraulic coupling is mounted between the motor and the speed reducer, making the start-ups and stops of the conveyor belt smooth, with progressive belt acceleration and deceleration.
- The electric motor has a cooling system which uses a continuous electric fan mounted on the back part of the motor. This cooling system allows the absorption of temperatures produced by start-ups and stops in short intervals of time.



## CONVEYOR

TMT-2000-D16.5-ZC5.5-H3-P200

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### Technical Specifications

Effective width	79 in
Horizontal feeding section	18 ft
Tipping height	10 ft
Total development	54 ft
Angle of elevation	35 °
Drive chain pitch	8 in
Drive chain breaking strain	10,752 lb/ft
Sides thickness	0.12 in
Side height	20/39 in
Type of band	Steel slats
Slat thickness	0.16 in
Band speed	56 ft/min
Pit-mounted conveyor	

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### Incorporated in machine elements

Side and bottom guarding  
2 reinforcement skids in flat area  
ER5018 Rope pull emergency stop switch  
Hopper for return collection  
Wear resistant guides  
Manual greasing system  
Gooseneck