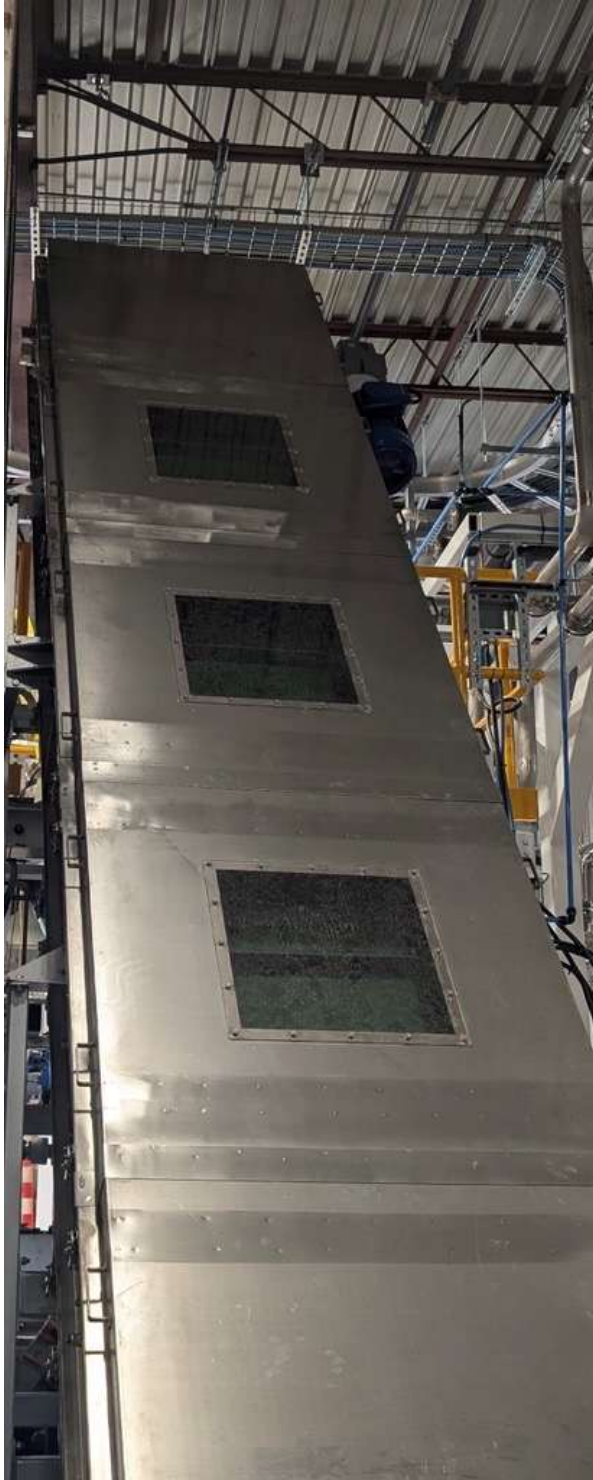


TECHNICAL SUMMARY SHEET



High-Inclination Enclosed Belt Conveyor with Cleated Baffle System

Overview

This high-performance inclined belt conveyor is engineered for the reliable and controlled transfer of bulk materials in demanding industrial environments. Featuring a fully enclosed stainless-steel construction, cleated PVC belt, and integrated dust containment system, the conveyor provides efficient vertical material elevation while minimizing product loss, contamination, and environmental exposure.

Designed for continuous-duty operation, the system is ideally suited for handling powders, granules, and bulk solids across mining, recycling, chemical processing, food production, and industrial manufacturing applications.

Key Features

- ✓ High-inclination conveying at 57° without material rollback
 - ✓ Heavy-duty PVC belt with integrated side skirts and cleated baffles
 - ✓ Fully enclosed dust-tight design for improved housekeeping and product containment
 - ✓ Stainless Steel 304 construction for corrosion resistance and long service life
 - ✓ Multiple inspection windows for visual process monitoring
-
- ✓ CSA-certified drive system suitable for North American installations
 - ✓ Modular design allowing simplified maintenance and component replacement

Technical Specifications

Conveyor Geometry

Parameter	Specification
Horizontal Feed Section	1,500 mm
Inclined Conveyor Length	6,300 mm
Inclination Angle	57°
Discharge Height	4,066 mm

Belt Assembly

Parameter	Specification
Belt Type	PVC Belt
Belt Configuration	Cleated with Side Skirts
Belt Width	700 mm
Cleat (Baffle) Height	60 mm
Cleat Spacing	250 mm

The cleated belt design ensures positive material retention and controlled elevation, making it suitable for steep-angle conveying applications where conventional conveyors are not practical.

Capacity & Performance

Parameter	Specification
Material Type	Powders, Granules, Bulk Solids
Maximum Capacity	20 m³/hr
Belt Speed Range	0.5 – 1.0 m/s
Operating Duty	Continuous Service

Drive System

Parameter	Specification
Motor Power	7.5 kW
Voltage	600 VAC
Frequency	60 Hz
Phase	3 Phase
Certification	CSA Certified

Construction Materials

<i>Component</i>	<i>Material</i>
<i>Conveyor Frame & spare parts</i>	Stainless Steel 304
<i>Covers & Enclosures</i>	Stainless Steel 304
<i>Support Structure</i>	Carbon Steel
<i>Inspection Windows</i>	Industrial Acrylic

The combination of stainless-steel process-contact components and robust structural supports provides exceptional durability in harsh industrial operating conditions.

Enclosure & Dust Control System

The conveyor incorporates a fully enclosed housing designed to minimize dust emissions and protect conveyed material from external contamination.

Included Features

- Stainless Steel 304 enclosure panels
- Airtight gasket sealing system
- Dust containment design
- Removable maintenance access covers
- Sealed inspection windows

Inspection Windows

- Upper inclined section
- Lower inclined section
- Discharge chute area

These viewing ports allow operators to monitor conveyor performance and material flow without interrupting operation.

Maintenance-Friendly Design

The conveyor has been designed with accessibility and serviceability in mind, reducing downtime and maintenance costs.

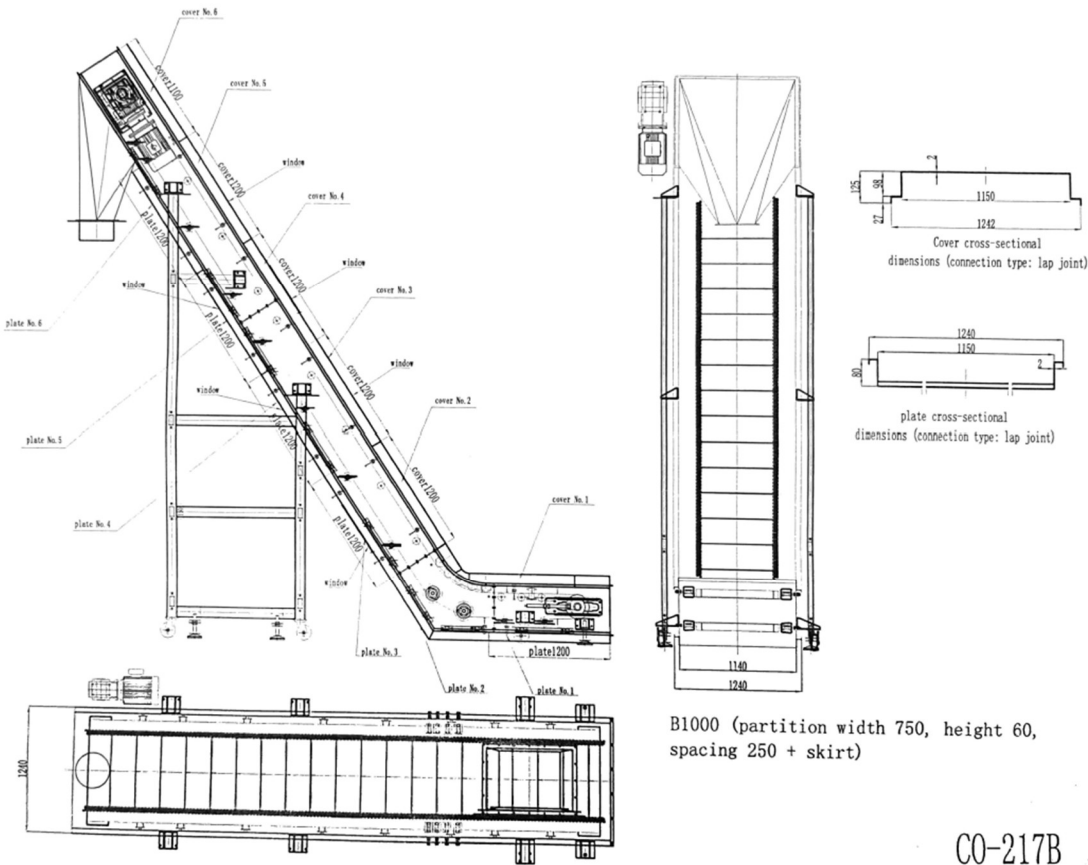
Maintenance Features

- Modular cover system
- Accessible rollers and pulleys
- Easy belt inspection
- Simplified component replacement

- Visual monitoring through inspection windows

Included Spare Parts Package

Component	Quantity
Upper Rollers	3
Upper Pressure Rollers (Nylon)	2
Lower Pressure Roller	1
Lower Pick-Up Rollers (Nylon)	6
Belt Pulleys	2
Lower Pressure Shaft Bearing & Bearing Seat Assemblies	4
Spare Conveyor Belt	1



CO-217B

