

Sandwich Belt Conveyor Installations



PHB Weserhutte S.A. at Aceralia

Material: Coal Density: 0.8 t/cu-m (50 PCF) Size: 50 mm (2") minus

Conveying Rate: 250 t/h (276 STPH)

Belt Width: 1200 mm (47")

Lift: 35,100 mm (115')

Top Belt Drive: 30 kW (40.2 HP)

Conveying Angle: 75 degrees

Belt Speed: 2.29 m/s (450 FPM)

Length: 45,065 mm (148')

Bottom Belt Drive: 30 kW (40.2 HP)



Conveyor Ship Loader for Cortex Resources at Port Adelaide, Australia

Material: Titanium Ore

Density: 2.4 t/cu-m (150 PCF)

Conveying Rate: 1000 t/h (1102 STPH)

Conveying Angle: 50 degrees

Belt Width: 1200 mm (47")

Belt Speed: 2 m/s (394 FPM)

Lift: 21,805 mm (71.5')

Length: 56,656 mm (185.9')

Top Belt Drive: 55 kW (74 HP)

Bottom Belt Drive: 55 kW (74 HP)

Contact The Technology Consortium, Ltd. for additional details on these systems...

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Continental CN at INCO Voisey's Bay Project

Material: Pebble Ore Density: 2.25 t/cu-m (140 PCF) Size: 60 mm (2.4") minus

Conveying Rate: 102 t/h (112 STPH)

Belt Width: 762 mm (30")

Lift: 13,010 mm (42.7')

Top Belt Drive: 7.46 kW (10 HP)

Conveying Angle: 90 degrees

Belt Speed: 1.02 m/s (200 FPM)

Length: 23,500 mm (77.1')

Bottom Belt Drive: 7.46 kW (10 HP)



Continental CN at DOFASCO Steel Project

Material: Coke Breeze Density: .48 t/cu-m (30 PCF) Size: 25 mm (1") minus

Conveying Rate: 31.8 t/h (35 STPH)

Belt Width: 762 mm (30")

Lift: 16,382 mm (53.7')

Top Belt Drive: 7.46 kW (10 HP)

Conveying Angle: 75 degrees

Belt Speed: 1.41 m/s (278 FPM)

Length: 24,835 mm (81.5')

Bottom Belt Drive: 7.46 kW (10 HP)

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Empire Iron Ore Mining Partnership

Material: Iron Ore Density: 2.4 t/cu-m (150 PCF) Size: 2 mm (.08") minus

Conveying Rate: 793 t/h (780 LTPH)

Belt Width: 1067 mm (42")

Lift: 11,522 mm (37.8')

Top Belt Drive: 29.8 kW (40 HP)

Conveying Angle: 65 degrees

Belt Speed: 2.29 m/s (450 FPM)

Length: 21,489 mm (70.5')

Bottom Belt Drive: 37.3 kW (50 HP)



Pulp Mill, Western Canada

Material: Wood Chips

Density: .24 t/cu-m (15 PCF)

Conveying Rate: 203 t/h (224 STPH)

Conveying Angle: 45 degrees

Belt Width: 1372 mm (54")

Belt Speed: 2.61 m/s (513 FPM)

Lift: 20,422 mm (67')

Length: 57,303 mm (188')

Top Belt Drive: 22.4 kW (30 HP)

Bottom Belt Drive: 22.4 kW (30 HP)

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