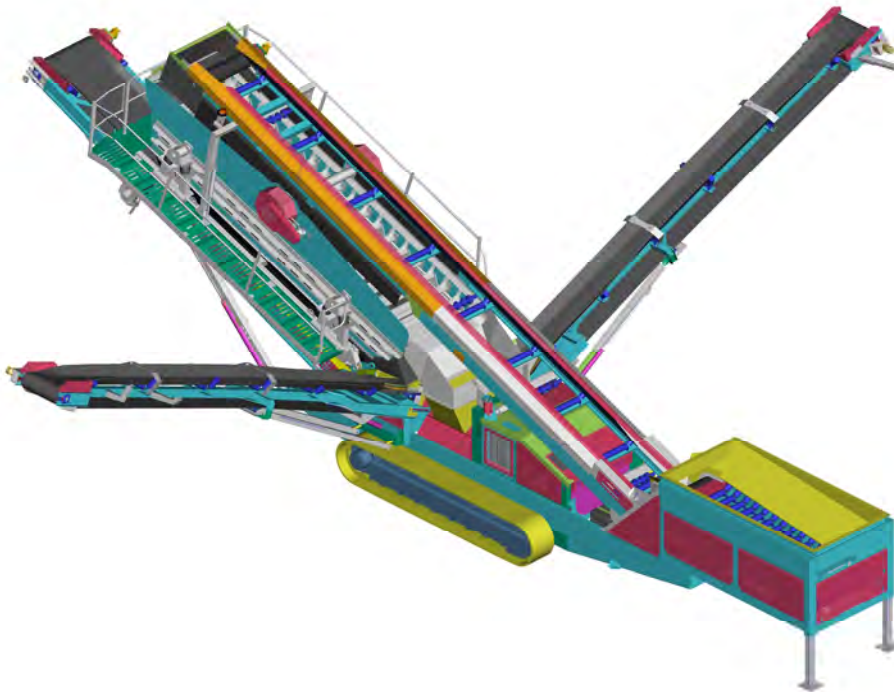




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INTRODUCING THE
CHIEFTAIN 2100X TRACK
2 DECK BIVITEC



Chieftain 2100X BIVITEC

Technical Specification

FEATURES

- Total weight 37,200kg (41 US ton) ESTIMATED
- Total weight (Vibrating grid) 39,450kg (44 US ton) ESTIMATED
- Length (transport) 12FT 17.4m (57'-3")
- Length (working) 12FT 18.4m (60'-8")
- Width (transport) 2.96m (9'-9")
- Width (working) 18.2m (59'-10")
- Height (transport) 3.45m (11'-4")
- Hopper capacity 8.0m³
- Screenunit 2 deck Binder & Co BIVITEC screenunit.
Top deck – 5.88m x 1.55m (19'-4" x 5'-1")
Bottom deck - 5.23m x 1.55m (17'-2" x 5'-1")
- Powerunit Diesel hydraulic 97kW (130HP) @ 2200rpm.

ADVANTAGES

- High capacity, up to 500 TPH, (depending on mesh sizes and material type).
- Quick set up time typically under 15 minutes.
- Maximum mobility with heavy duty, low ground pressure, crawler tracks.
- Optional tri-axle bogie system allows the track machine to be transported without the need for a low loader.
- Removable heavy duty pendant remote control system.
- Optional radio control system available.
- High performance hydraulic system – Cast iron pumps and motors c/w hydraulic oil cooler.
- Angle adjustable tipping grid with radio control double acting tipping grid rams.
- Low profile single and double deck vibrating grid option with remote control tipping. Angle adjustable and fully riveted construction.

APPLICATIONS

- Sand and gravel
- Topsoil
- Coal
- Crushed stone
- Recycling
- Iron Ore

Chieftain 2100X BIVITEC

Technical Specification

Hopper & Grid:

Hydraulic adjustable tipping grid.
Integral loading and wing plates
Grid opening: 3.57m x 1.8m (11'-9" x 5'-11")
Grid aperture: 102mm (4")
Target area: 4.3 x 1.8m (14'-1" x 5'-11")
Hopper capacity: 8.0m³

Screenunit:

Binder & Co two deck screen unit fitted with the BIVITEC dual vibration screening system on both decks.
The BIVITEC screening process eliminates clogging and blinding of screen openings, reducing machine downtime and increasing productivity
2 bearing grease filled system.
Top deck - 5.88m x 1.55m (19'4" x 5'1")
Bottom deck - 5.23m x 1.55m (17'2" x 5'1")
12 – 20 degree working angle

Feed Conveyor:

1200mm (48") wide 3 ply plain belt.
Direct feed conveyor fitted with direct drive gearbox.
Variable speed control.

Main Conveyor:

1050mm (42") wide 3 ply plain belt.
Hydraulically adjustable.
Fully skirted & sealed to prevent spillage.

Tail Conveyor:

1200mm (48") wide 3 ply plain belt.
Hydraulic angle adjustment
Hydraulically folding for transport
Readily detachable from screen sub-frame to further aid maintenance and mesh change.
4.22m (13' 10") stockpile height @ 24 degrees. (Measured to drum centre)

Side Conveyors:

800mm (32") wide 3 ply chevron belt
Hydraulically folding for transport.
Variable speed control.
4.96m (16' – 3") stockpile height. (Measured to drum centre)

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Powerunit & Hydraulics:

Diesel engine:	Caterpillar C4.4 ACERT diesel engine developing 97kW (130HP) @ 2200rpm.
Flywheel pump1:	63cc/rev and 33cc/rev and 33cc/rev
PTO pump1:	23cc/rev and 23cc/rev
PTO pump2:	14cc/rev
Feeder Motor:	160cc/rev
Main conveyor Motor:	500cc/rev
Tail Conveyor Motor:	500cc/rev
Side Conveyor Motor:	400cc/rev
Screen Motor:	80cc/rev

Tank Capacities:

Hydraulic tank:	564 L (124 Gal)
Diesel tank:	336 L (74 Gal)

Crawler Track Data:

Tractive Effort	=	24260.12 daN
Gradability Percentage	=	58.74%
Gearbox Ratio	=	1:153
Hydraulic Motor	=	90 cc/rev
Approximate Speed	=	0.61 Km/hr (0.61 Mph)

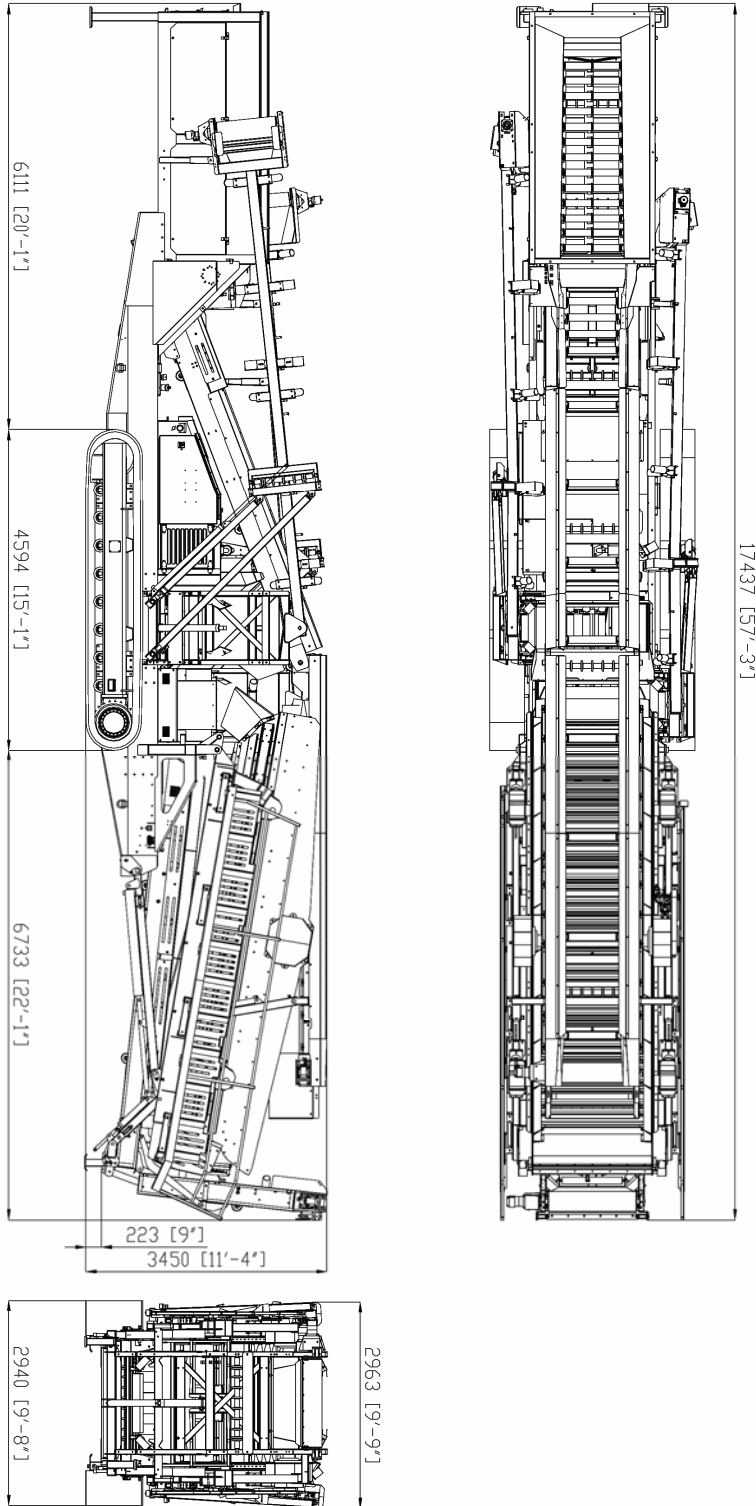
Vibrating Grid Option

Screen size:	3.05m x 2.14m (10' x 7').
Working angle:	10 to 20 degree adjustable.
Tip angle:	45 degree maximum.
Motor:	58.7cc/rev
Circuit:	Coupled to main conveyor circuit.
Transport height:	3.55m

Options

- 12ft or 14ft hopper
- Single or Double deck vibrating grizzly
- Shredder
- Radio control tracking
- Wheel bogie for track machine
- Hydraulic jacking legs

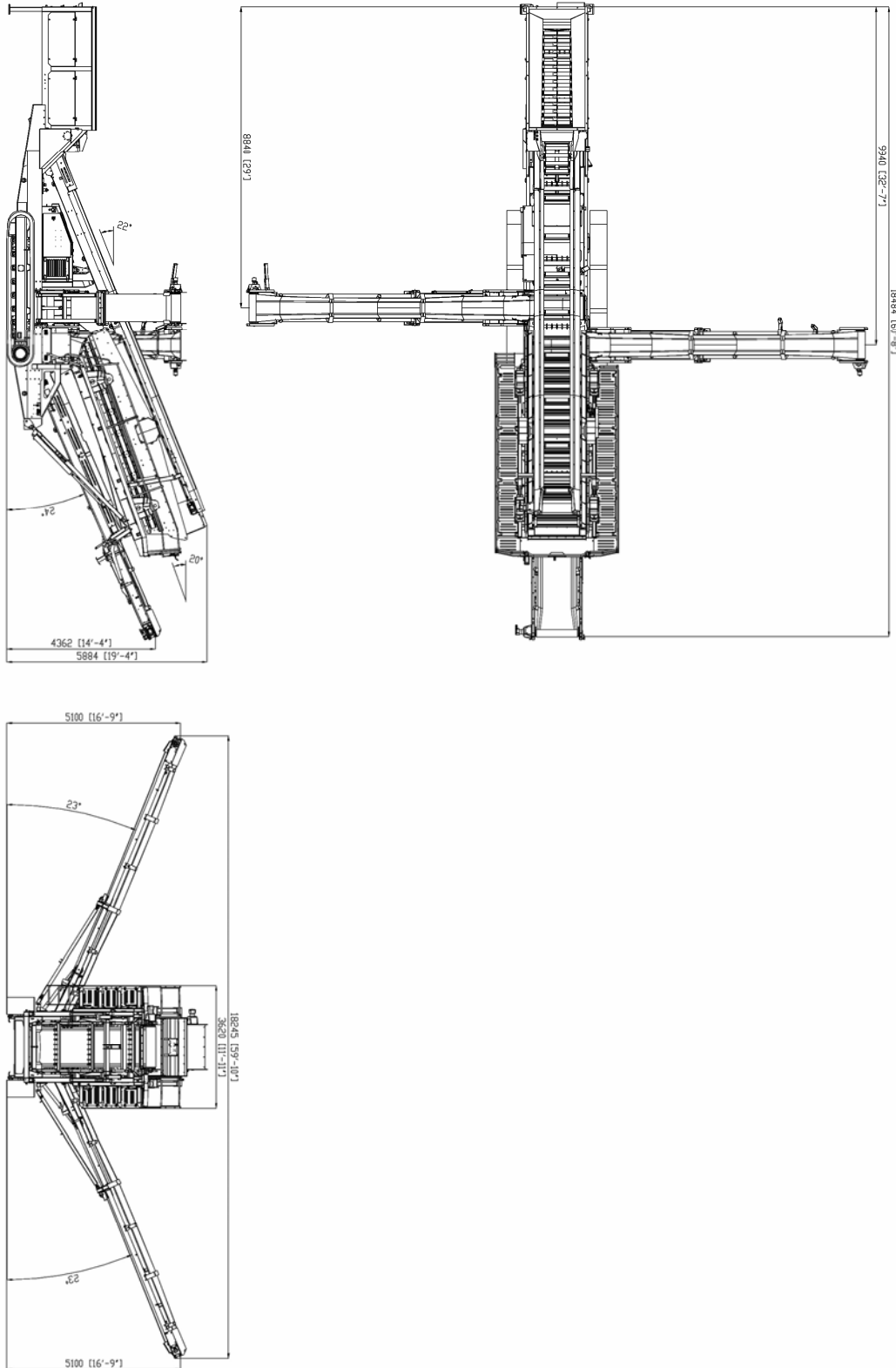
Chieftain 2100X BIVITEC Technical Specification



TRANSPORT DIMENSIONS – CHIEFTAIN 2100X

All specifications subject to change without prior notice.

Chieftain 2100X BIVITEC Technical Specification



WORKING DIMENSIONS – CHIEFTAIN 2100X

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Chieftain 2100X BIVITEC

Technical Specification

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