

*Chieftain 1700 3 Deck
Technical Specification*



INTRODUCING THE
CHIEFTAIN 1700 / 3 DECK
TECHNICAL SPECIFICATION



All specifications subject to change without prior notice.

Chieftain 1700 3 Deck Technical Specification

FEATURES

12ft Hopper Version

- Total weight 29,400 kg (32.4 US ton)
- Width (transport) 3.0m (9'- 10")
- Length (transport) 15.97m (52'- 5")
- Height (transport) 3.4m (11' - 2")

14ft Hopper Version

- Width (transport) 3.0m (9'-10")
- Length (transport) 16.56m (54'- 4")
- Height (transport) 3.4m (11' - 2")

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.
- Removable heavy duty pendant remote control system.
- Optional radio control system available if required at extra cost.
- 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 or 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

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Hopper & Grid:



Adjustable angle tipping grid with integral loading and wing plates	
Grid opening	3.57m x 1.8 m (11'-9" x 5'-11") 12Ft 4.18m x 1.8 m (13'-9" x 5'-11") 14Ft
Grid aperture:	102mm (4")
Target area:	4.3 x 1.8m (14'-1" x 5'-11") 12 Ft 4.9 x 1.8m (16'-1" x 5'-11") 14 Ft
Hopper capacity:	7.0m ³ (9.15cu.yds) T 12Ft Hopper
Hopper capacity:	8.15m ³ (10.65cu.yds) T 14Ft Hopper

Screenunit:



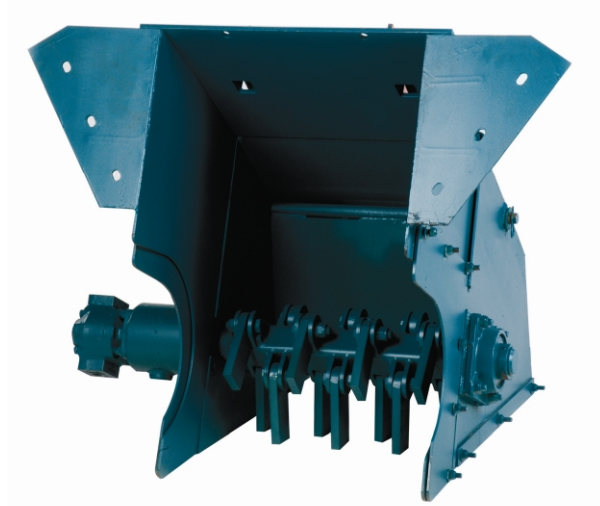
Triple deck 2 bearing system , Grease filled ,4.8 x 1.5m (16'x 5') Top and Middle decks , 4.3 x 1.5m (14' x 5') Btm deck

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Feed Conveyor:

1050mm (42") wide direct feed conveyor with direct drive system & hydraulic variable speed control.

Shredder:



Optional, single shaft, flail type shredder designed for use in top soil applications.

Main Conveyor:



1050mm (42") wide hydraulically adjustable conveyor, fully skirted & sealed to prevent spillage.

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Tail Conveyor:



- 1200mm (48") wide hydraulically folding tail conveyor
- 4.2m (13' – 9") stockpile height. (Measured to drum centre)

Auxiliary Conveyor:



- 650mm (26") stockpile 4.0m (13' - 1")
- Hydraulic folding

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Patent Pending

Side Conveyors:



- 650mm (26") wide hydraulically folding side conveyors with individual, variable speed control:
- 4.7m (15' – 5") stockpile height. (Measured to drum centre)

Powerunit & Hydraulics:



Diesel Hydraulic :- 74Kw (100HP) @ 2200 rpm
Flywheel pump 1: 33, 33, 27 cc/rev triple
PTO A pump : 23 , 23 cc/rev tandum
PTO B pump : 11 cc/rev
Screen motor : 59cc/rev
Feeder Motor : 160 cc/rev
Main conveyor motor : 630cc/rev
Tail conveyor motor : 500cc/rev
Side conveyor : 400cc/rev
Auxillary Conveyor : 400cc/rev

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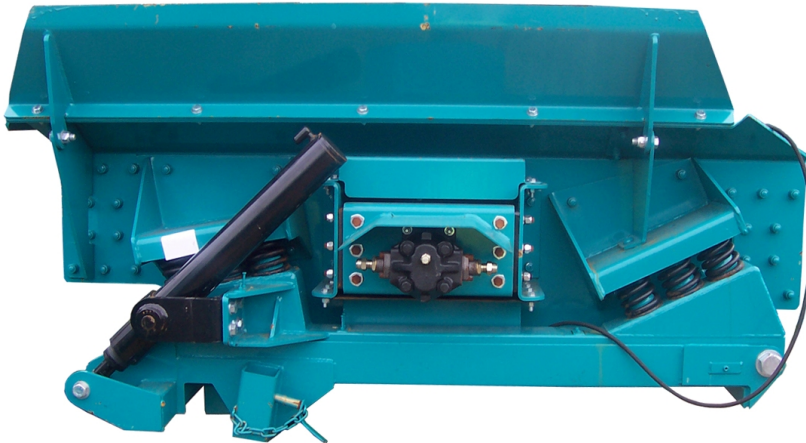
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Crawler Track Data:



Tractive Effort	=	14604.48 daN
Gradability Percentage	=	38.14%
Gearbox Ratio	=	1:122
Hydraulic Motor	=	63 cc/rev
Approximate Speed	=	1.02 Km/hr (1.02 Mph)

Vibrating Grid Option



Screen size:	3.05m x 2.14m (10' x 7').
For Double deck	
Bottom deck screen size:	2 off 1.9 x 1.5m (6'3" x 4'11")
Working angle:	10°degrees to 20°degrees adjustable.
Tip angle:	45°degrees maximum.
Motor:	59cc/rev
Circuit:	Coupled to main conveyor circuit.
Transport height:	3.58m (11' - 9")
Total weight:	4000kg (4.41 US tons)

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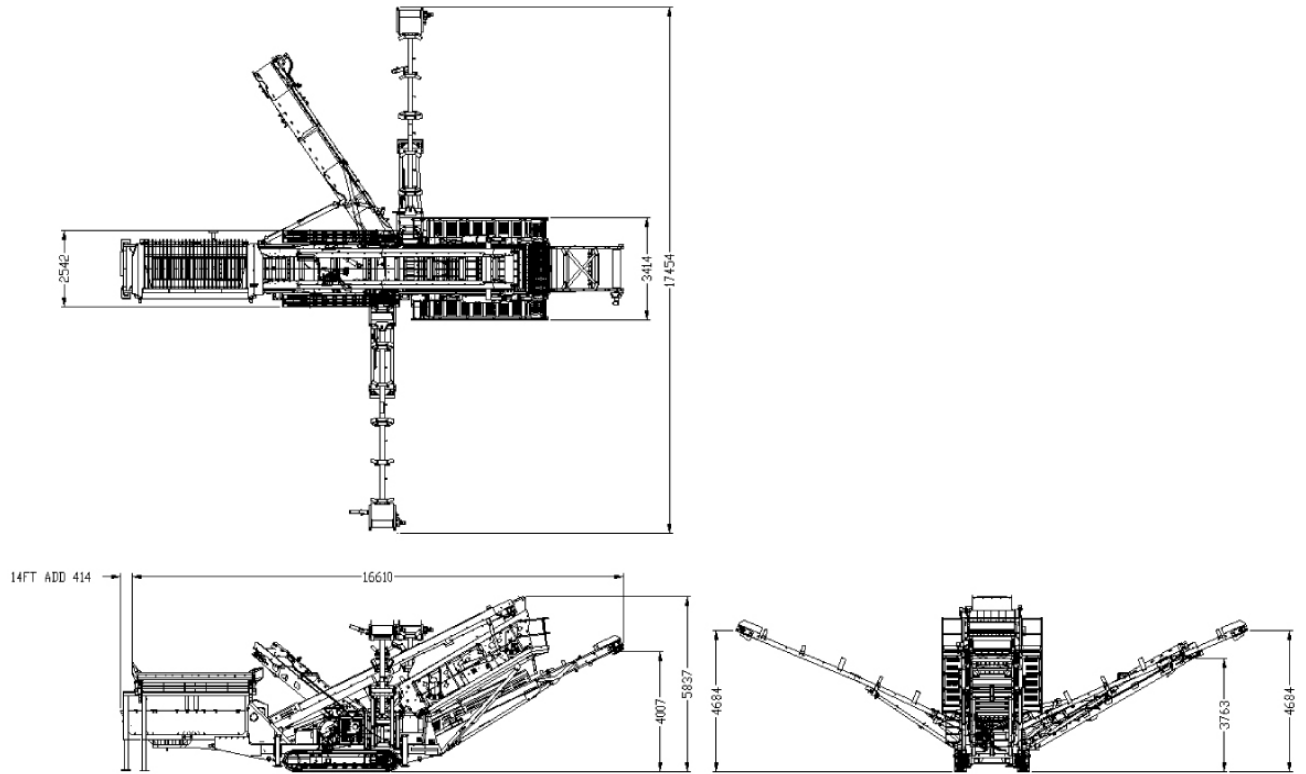
Tank Capacities:

Hydraulic tank:	576 L (153 US Gal)
Diesel tank:	336 L (89 US Gal)

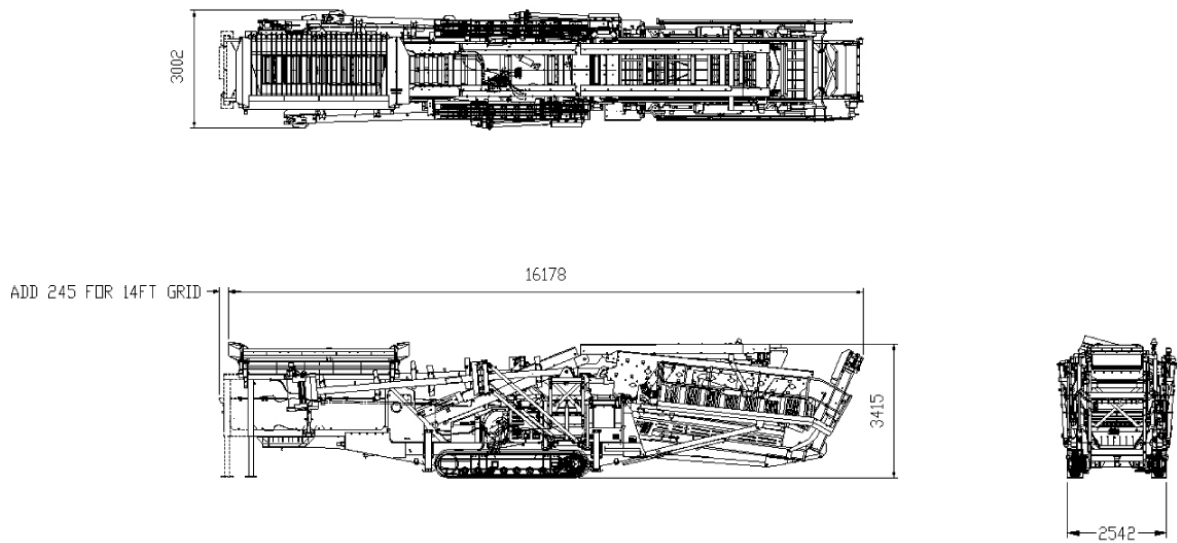
Options

- Hydraulic screen tensioning
- 12ft or 14ft hopper
- Single or Double deck vibrating grizzly
- Shredder
- 4th Recirculation conveyor attached for transport
- Radio control tracking
- Wheel bogie for track machine
- Hydraulic jacking legs
- Rinser

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CHIEFTAIN 1700 – WORKING DIMENSIONS



CHIEFTAIN 1700 – TRANSPORT DIMENSIONS

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