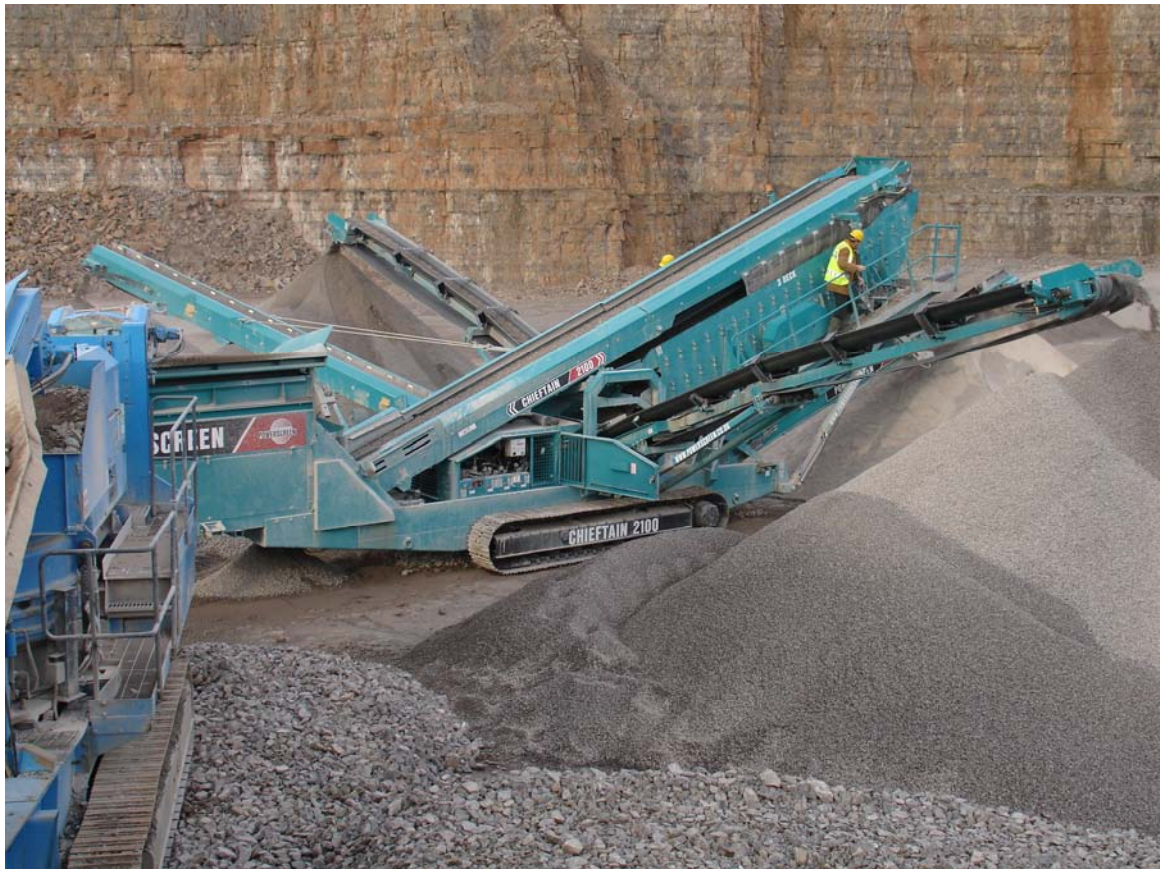




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INTRODUCING THE CHIEFTAIN 2100 TRIPLE DECK



All specifications subject to change without prior notice.



Turbo Chieftain 2100 Technical Specification

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FEATURES

- Total weight 33,080kg (71,676 lbs) **(Estimate)**
- Vibrating grid fitted 35,790kg (77,638 lbs) **(Estimate)**
- Width (transport) 2.90m (9.5')
- Vibrating grid fitted 3.55m
- Hopper capacity 8.0m³
- Screenunit 2 – bearing 4.88m x 1.55m (20' x 5') 3 deck
- Powerunit Deutz BF4M2012 82kW (109HP) developing 75kW (100HP) @ 2200rpm.

ADVANTAGES

- High capacity -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 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 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



Turbo Chieftain 2100 Technical Specification

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Hopper & Grid:

Adjustable angle tipping grid with 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:	8.0m ³

Screenunit:

20' x 5' (4.88 x 1.55m) triple deck, Oil filled 2 bearing system.
This eliminates the need for constant greasing.

Feed Conveyor:

1200mm (48") wide direct feed conveyor with direct drive system & hydraulic variable speed control

Main Conveyor:

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

Tail Conveyor:

1200mm (48") wide hydraulically folding tail conveyor
4.09m (13' - 9") stockpile height. (Measured to drum centre)

Side Conveyors:

800mm (32") wide hydraulically folding side conveyors with individual, variable speed control:
5.04m (16' - 6") stockpile height. (Measured to drum centre)

Auxiliary Conveyor:

650mm (26") stockpile 4.5m (14' - 10")
This conveyor is transported with the machine .

Powerunit & Hydraulics:

Diesel engine:	Deutz BF4M2012 82kW (109HP) developing 75kW (100HP) at 2200rpm.
Flywheel pump1:	David Brown 5046/5033/5033 (46cc/rev and 32cc/rev)
PTO pump1:	David Brown 5023/5023 (23cc/rev each circuit)
PTO pump2 :	David brown SPA 22 (22cc/rev)
Feeder Motor:	Danfoss OMSS160 (160cc/rev)
Main conveyor Motor:	Danfoss OMV630 (630cc/rev)
Tail Conveyor Motor:	Danfoss OMT500 (500cc/rev)
Side Conveyor Motor:	Danfoss OMH400 (400cc/rev)
Screen Motor:	David Brown MCC 2208 (59cc/rev)



Turbo Chieftain 2100 Technical Specification

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Tank Capacities:

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

Crawler Track Data:

Tractive Effort	=	20,830 daN
Gradability Percentage	=	101 % (45deg)
Gearbox Ratio	=	1:153
Hydraulic Motor	=	Rexroth 90 cc/rev
Approximate Speed	=	0.62 Km/hr

Vibrating Grid Option

Screen size:	3.05m x 2.14m (10' x 7').
Working angle:	10° to 20° adjustable.
Tip angle:	45° maximum.
Motor:	David Brown MCC 2208 (59cc/rev)
Circuit:	Coupled to main conveyer circuit.
Transport height:	3.55m



Turbo Chieftain 2100 Technical Specification

