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# *INTRODUCING THE CHIEFTAIN 2100 2 DECK*



All specifications subject to change without prior notice.



# **Turbo Chieftain 2100**

## **2D Technical Specification**



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### **FEATURES**

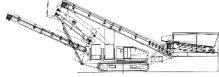
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|-------------------------|--|
| • Total weight          | 36,200kg (39.9 ton)                                |
| • Vibrating grid fitted | 38,910kg (42.85 ton)                               |
| • Width (transport)     | 2.90m (9.5')                                       |
| • Vibrating grid fitted | 3.55m  |
| • Hopper capacity       | 8.0m <sup>3</sup>                                  |
| • Screenunit            | 2 – bearing 6.1m x 1.55m (20' x 5') 2 deck         |
| • Powerunit             | 82kW (109HP) developing 75kW<br>(100HP) @ 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 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
- Iron Ore



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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 <sup>3</sup>

#### **Screenunit:**

20' x 5' (6.1m x 1.55m) two deck, grease filled 2 bearing system.

#### **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' - 5") 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)

#### **Powerunit & Hydraulics:**

Diesel engine:	82kW (109HP) developing 75kW (100HP) at 2200rpm.
Flywheel pump1:	46cc/rev and 32cc/rev
PTO pump1:	23cc/rev each circuit
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:	101.8cc/rev



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#### **Tank Capacities:**

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

#### **Crawler Track Data:**

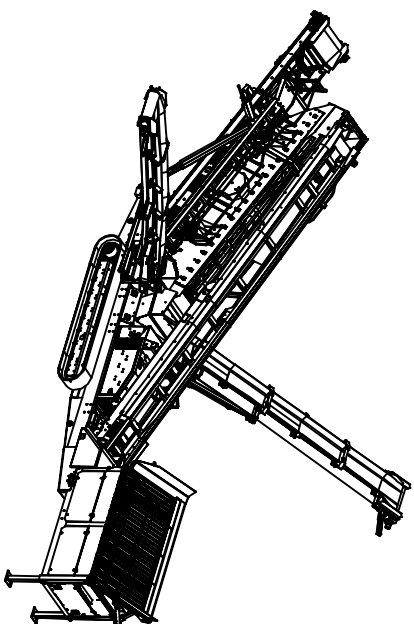
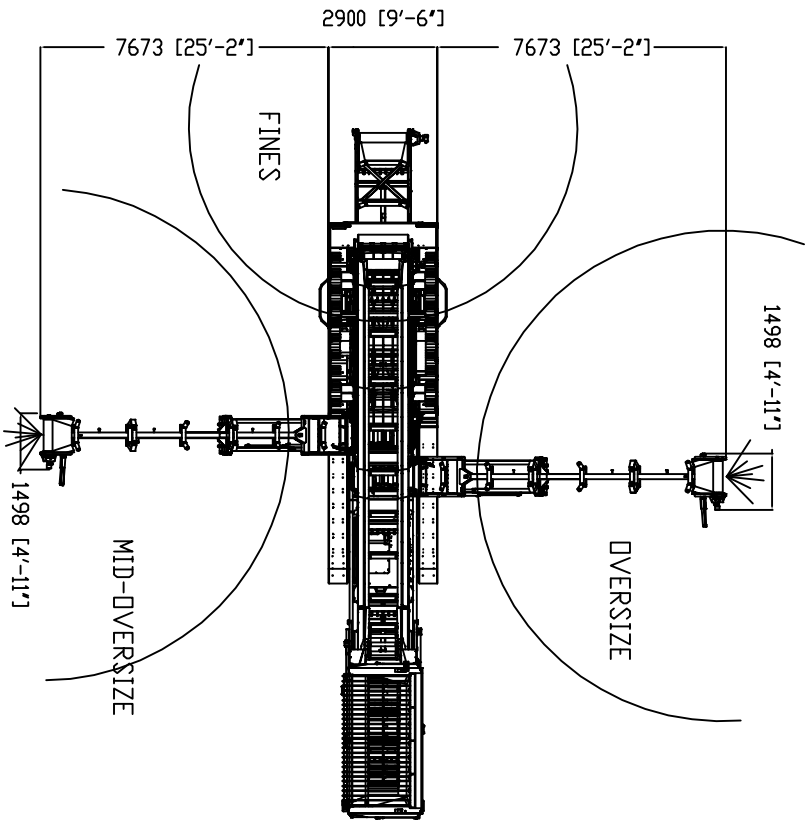
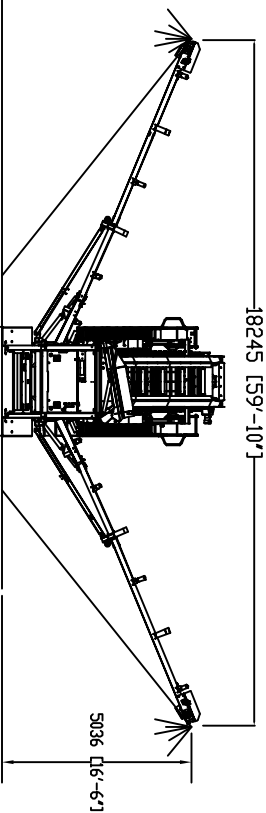
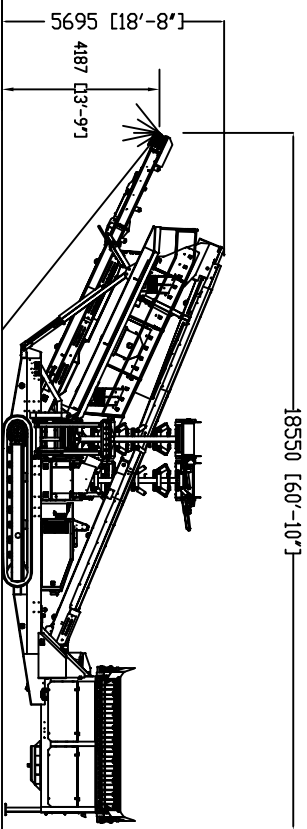
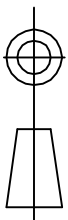
Tractive Effort	=	20,830 daN
Gradability Percentage	=	61.3 % ( 27.6deg)
Gearbox Ratio	=	1:153
Hydraulic Motor	=	Rexroth 90 cc/rev
Approximate Speed	=	0.62 Km/hr

#### **Vibrating Grid Option**

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

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED

DO NOT SCALE DRAWING



MACHINE TYPE		TITLE		PROJ/ DRAWING NUMBER	
CHIEFTAIN 2100		CHIEFTAIN 2-DECK WITH ROLL IN BOGIE		TH-0012	
SCALE	DRN.BY	DATE	CHD.BY	DATE	SHEET 1 OF 1
0.010	TH	14/12/04			
REV.	DATE	BY	DESCRIPTION		

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