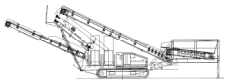
Powerscreen International. Dist. Ltd.
Coalisland Road, Dungannon,
Co.Tyrone, N.Ireland BT71 4DR
Tel: +44(0) 2887 740701
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INTRODUCING THE

TURBO CHIEFTAIN 1400



All specifications subject to change without prior notice.



Turbo Chieftain 1400
Technical Specification

FEATURES

12ft Hopper Version

• Total weight	21,760kg (47,900 lbs)	**W**
• Total weight	25,200kg (55,400 lbs)	**T**
• Vibrating grid fitted	25,220kg (55,484 lbs)	**W**
• Vibrating grid fitted	28,660kg (63,052 lbs)	**T**
• Width (transport)	2.75m (9’)	
• Length (transport)	15.59m (51’ - 1”)	**W**
•	13.95m (45' - 9")	**T**
• Height (transport)	3.9m (12’ - 8”)	**W**
•	3.2m (10' - 6")	**T**
• Vibrating grid fitted	3.4m (11' - 1")	**T**

14ft Hopper Version

• Width (transport)	2.75m (9’)	
• Length (transport)	16.2m (53’ - 1”)	**W**
	14.39m (47' - 2")	**T**
• Height (transport)	3.9m (12’ - 8”)	**W**
•	3.2m (10' - 6")	**T**
• Vibrating grid fitted	3.4m (11' - 1")	**T**
• Screenunit	4 – bearing 3.3m x 1.5m (11’ x 5’)	
• Powerunit	Diesel Hydraulic with Deutz BF4M2012 – 82kW (109 Hp) developing 75Kw (100HP) @ 2200 rpm	

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. **T**
- Approved GLD braking axles, spring suspension, mudguards and 235/65/R17.5 dual road wheels. **W**
- Removable heavy duty pendant remote control system. **T**
- Optional radio control system available if required at extra cost. **T**
- 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.

NB - W = WHEEL MACHINE / T = TRACK MACHINE

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Turbo Chieftain 1400
Technical Specification

APPLICATIONS

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

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:	7.5m3 (9.81cu.yds) W 12Ft Hopper
	7.0m3 (9.15cu.yds) T 12Ft Hopper
Hopper capacity:	8.75m3 (11.44cu.yds) W 14Ft Hopper
	8.15m3 (10.65cu.yds) T 14Ft Hopper

Screenunit:

11' x 5' (3.3 x 1.5m) double deck, 4 bearing, free floating vibration system which eliminates the need for fine tuning.

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:

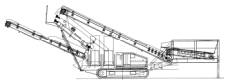
1050mm (42") wide hydraulically adjustable conveyor, fully skirted & sealed to prevent spillage.

Tail Conveyor:

1200mm (48") wide hydraulically folding tail conveyor
3.85m (12' – 7.5") stockpile height. (Measured to drum centre) **T**
4.08m (13' - 4.5") stockpile height. (Measured to drum centre) **W**

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Technical Specification

Side Conveyors:

650mm (26”) wide hydraulically folding side conveyors with individual, variable speed control:
4.45m (14’ – 7”) stockpile height. (Measured to drum centre) **T**
4.68m (15' - 4") stockpile height. (Measured to drum centre) **W**

Powerunit & Hydraulics:

Diesel engine:	Deutz BF4M 2012C, with output up to 82 kW (109 Hp), developing 75 kW (100Hp) at 2200 rpm.
Flywheel pump1:	Cast iron tandem pump 32cc/rev each circuit. **(Pump1 not used on shredder machine)**
PTO pump2:	Cast iron tandem pump 23cc/rev each circuit
Flywheel pump3:	Cast iron triple pump 46cc/33cc/33cc per rev **(Shredder only)**
Feeder Motor:	Cast iron motor 250cc/rev
Shredder Motor:	Cast iron motor 102cc/rev
Main conveyor Motor:	Cast iron motor 630cc/rev
Tail Conveyor Motor:	Cast iron motor 500cc/rev
Side Conveyor Motor:	Cast iron motor 400cc/rev
Screen Motor:	Cast iron motor 59cc/rev

Tank Capacities:

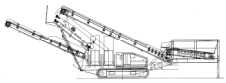
Hydraulic tank:	564 L (124 Gal)
Diesel tank:	336 L (74 Gal)

Crawler Track Data: T

Tractive Effort	=	14,276 daN
Gradability Percentage	=	77 -75 %
Gearbox Ratio	=	1:122
Hydraulic Motor	=	63 cc/rev
Approximate Speed	=	0.87 Km/hr (0.54 Mph)

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Turbo Chieftain 1400
Technical Specification

Road Transport: W

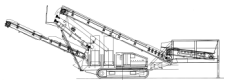
Wheels:	235/75/R17.5 Dual
Axle:	Approved braking axle (GLD manufacture)
Suspension:	Mono leaf spring suspension
Brakes:	Air brakes, (ABS optional)
Mudguards:	Plastic type
Lateral Protection:	Optional extra.
Lights:	Optional extra.

Vibrating Grid Option

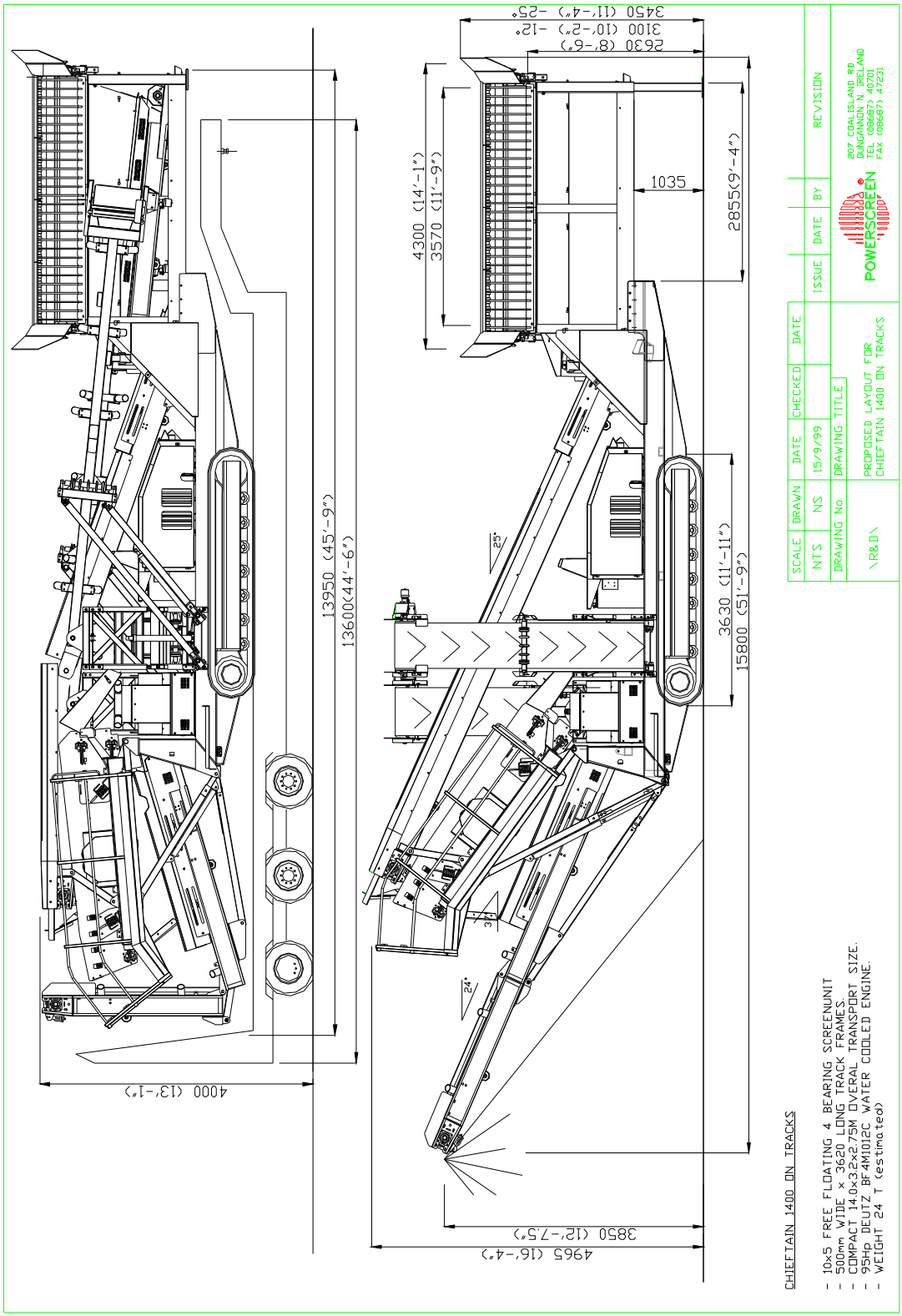
Screen size:	3.05m x 2.14m (10’ x 7’).	
For Double deck		
Bottom deck screen size:	2 off 1.9 x 1.5m (6’3”’ x 4’11”)	
Working angle:	10° to 20° adjustable.	
Tip angle:	45° maximum.	
Motor:	David Brown MCC 2208 (59cc/rev)	
Circuit:	Coupled to main conveyor circuit.	
Transport height:	3.4m (11’ - 1.75”)	**T**
Transport height:	4.0m (13' - 1")	**W**
Total weight:	28,660kg (63,052 lbs)	**T**
Total weight:	25,220kg (55,484 lbs)	**W**

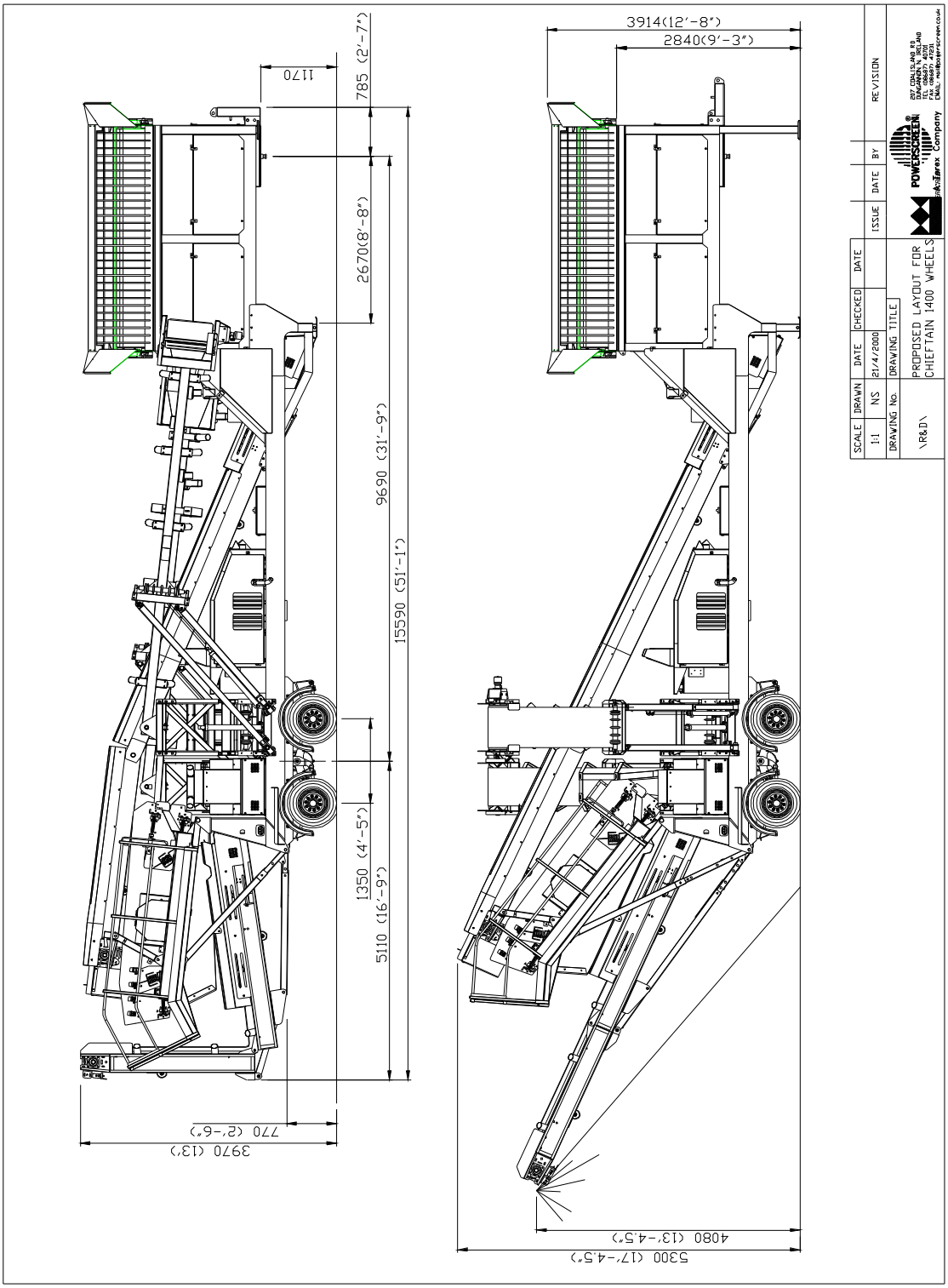
NB - T = TRACK MACHINE / W = WHEEL MACHINE

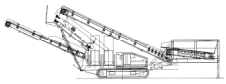
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Turbo Chieftain 1400
Technical Specification




3914(12'-8")
2840(9'-3")
1170
785 (2'-7")
2670(8'-8")
9690 (31'-9")
15590 (51'-1")
1350 (4'-5")
5110 (16'-9")
770 (2'-6")
3970 (13')
4080 (13'-4.5")
5300 (17'-4.5")
REVISION
ISSUE
DATE
BY
SCALE 1:1
DRAWN NS
DATE 21/4/2000
CHECKED
DATE
DRAWING No. \R&D\
DRAWING TITLE PROPOSED LAYOUT FOR CHIEFTAIN 1400 WHEELS
POWERSCREEN
A Terex Company



Turbo Chieftain 1400
Technical Specification

