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# ***INTRODUCING THE WARRIOR 1800 RADIAL***



All specifications subject to change without prior notice.

## FEATURES

- Total weight (Belt Feeder) 32,500 kg (35.82 US Ton) (ESTIMATED)
- Width (transport) 2.9 m (9'6")
- Length (working) 20.98 m (68'-10")
- Length (transport) 18.3 m (60'-1")
- Height (transport) 3.5 m (11'7")
- Hopper capacity 6.78 m<sup>3</sup> (8.87 cu. yds.)
- Screenunit 2-bearing 4.88m x 1.5m (16'x5')
- Powerunit Diesel Hydraulic.

## 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.
- High performance hydraulic system – Quality pumps and motors, with commercial hydraulic control valves.
- Access walkway for screenbox.
- Screenbox lifts to allow access to bottom deck mesh and collection conveyor
- Hydraulically folding hopper sides.
- Heavy duty 2-bearing screenbox with 10mm stroke (optional 12mm)
- Hopper exit opening 1.2m wide enabling screening of large items i.e. tree stumps, logs, boulders, etc.
- Option to have radio controlled radial conveyor

## APPLICATIONS

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

# Technical Specification



WARRIOR 1800 RADIAL 24-01-2007

Page 3

## **Hopper:**

Target area:	5.6 m long x 2.7m wide
Hopper capacity:	7.69 m <sup>3</sup> (10.06 yrd <sup>3</sup> )
Feed in height:	4.30m
Hardox side plates.	

## **Screenunit:**

16' x 5' (4.88 x 1.5m) double deck 2-bearing.  
14 degree screen angle adjustable.  
Self-adjusting motor stand.  
10mm stroke @ 920 ±10 RPM  
12mm stroke @ 860 ±10 RPM

## **Feed Conveyor:**

1300mm (51") wide 4-ply plain belt. Direct feed conveyor fitted with twin direct drive system & hydraulic variable speed control.  
Impact bars and 5 off 'extra heavy' duty impact rollers fitted beneath belt.  
3.43m (11'-3") drum centres.  
Optional 1300mm hardox apron feeder.

## **Collection Conveyor below screenbox:**

1200mm (48") wide 3ply plain belt.

## **Radial Conveyor:**

900mm (36") wide 3-ply plain belt.  
Hydraulically folding.  
14 to 25 degrees angle adjustable.  
4.72m (14' - 0") stockpile height. (Measured to drum crown).  
113.3 m<sup>3</sup> (148.5 yrd<sup>3</sup>) Stockpile capacity.

## **Mid-Oversize Conveyor:**

900mm (36") wide 3-ply plain belt.  
Hydraulically folding.  
14 to 25 degrees angle adjustable.  
3.44m (11'-3") stockpile height. (Measured to drum crown).  
60.5 m<sup>3</sup> (79.2 yrd<sup>3</sup>) Stockpile capacity.  
Impact bars under feed boot.  
Variable speed control.

## **Oversize Conveyor:**

1400mm (55") wide 4-ply chevron belt.  
Variable speed control.  
Impact bars along entire length.  
Conveyor slide up system for access to bottom deck meshes.  
10 to 24 degrees angle adjustable.  
3.73 m (12'-3") stockpile height. (Measured to drum crown).  
77.2 m<sup>3</sup> (101.0 yrd<sup>3</sup>) Stockpile capacity

# Technical Specification



WARRIOR 1800 RADIAL 24-01-2007

Page 4

## **Powerunit & Hydraulics:**

Diesel engine:	82 kW (109 Hp), developing 74 kW (99Hp) at 2200 rpm.
Flywheel pump:	5046/5046/5033
PTO pump:	5023/5023 (23cc/rev each circuit)
Belt Feeder Motors:	OMSS125 (125cc/rev)
Apron Feeder Motor:	OMTS400 (400cc/rev)
Collection Conveyor Motor:	OMV630 (630cc/rev)
Radial Conveyor Motor:	OMT500 (500cc/rev)
Oversize Conveyor Motor:	OMV800 (800cc/rev)
Mid-Oversize Motor:	OMH500 (500cc/rev)
Screen Motor:	MCC 2208 (58.7cc/rev)

## **Tank Capacities:**

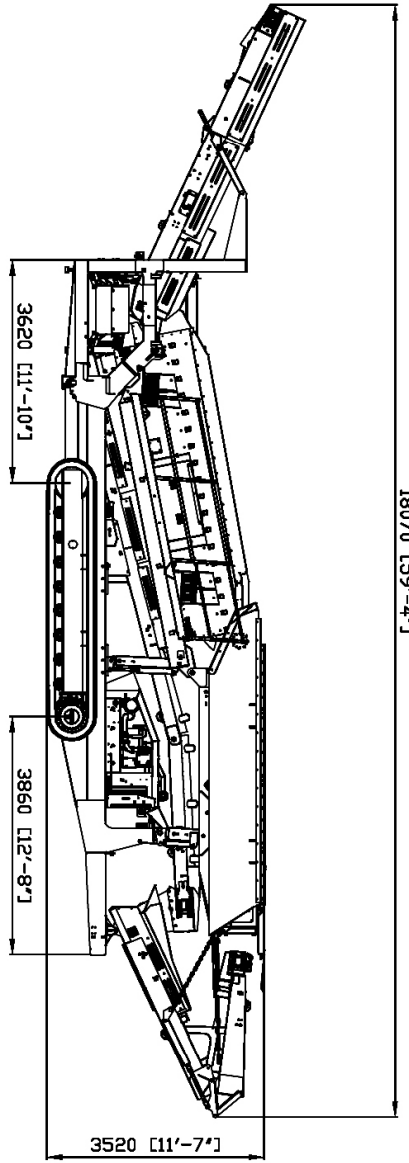
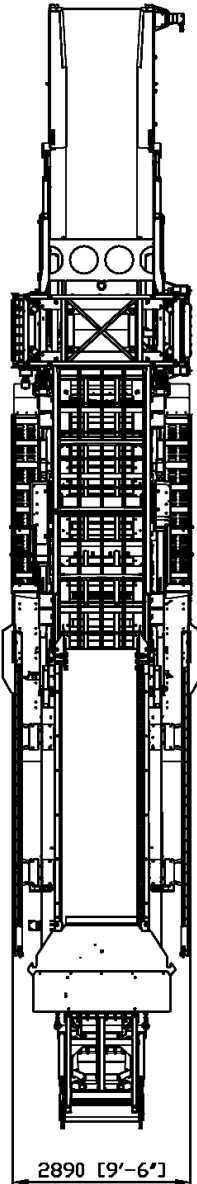
Hydraulic tank:	564 L (124 Gal)
Diesel tank:	336 L (74 Gal)

## **Crawler Track Data:**

Gradability Percentage	=	50.5 % (22.73 degrees)
Gearbox	=	Transmittal 709
Gearbox Ratio	=	1:142
Hydraulic Motor	=	Rexroth 90 cc/rev
Approximate Speed	=	0.80 Km/hr

## **Options:**

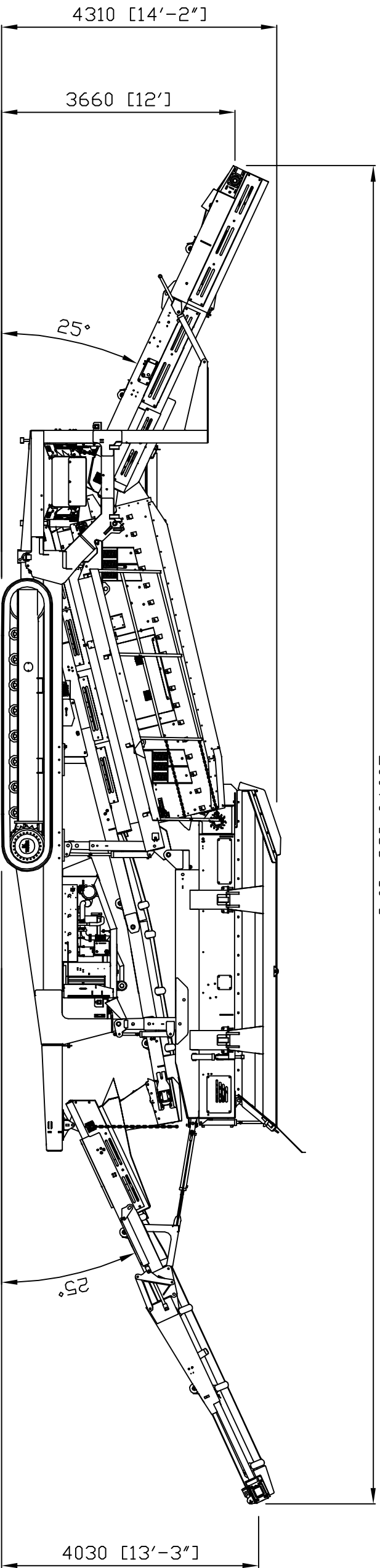
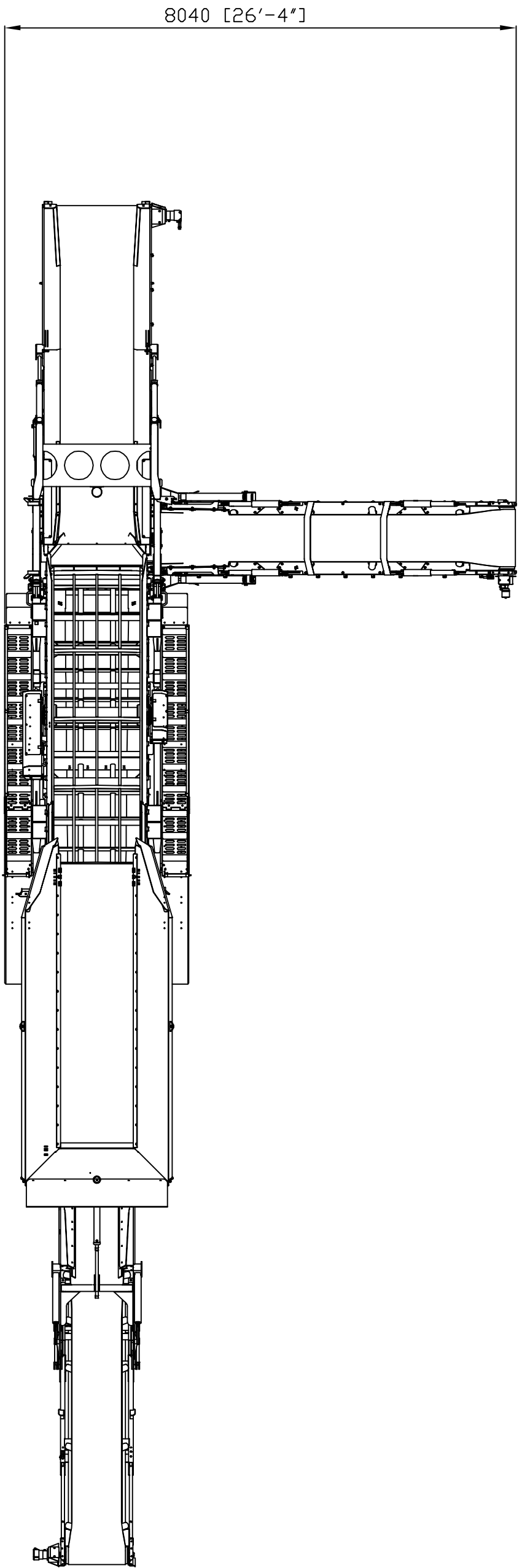
- Hardox or mild steel punch plate screens.
- Finger screens on top or bottom decks.
- 'Z' meshes complete with ball deck and SCS (Self Cleaning Screen).
- Bofor bar top decks.
- Option of two-way split with lowered tail conveyor



SCALE	DRAWN	DATE	CHECKED	DATE	ISSUE	DATE	BY	REVISION
1:1	DJD	08/08/06						
DRAWING NO.		DRAWING TITLE						
18070		WARRIOR 1800 BELT FEEDER WITH RADIAL FINES CONVEYOR						



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