

Powerscreen® Warrior 2400

2 Deck Heavy Duty Incline Screen

Specification - Rev 10. 01/01/2017



POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

50

POWERSCREEN®
A TEREX
BRAND

Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017

Specification

		Three Way Split	Two Way Split
Total weight		46,200kg (101,853lbs)*	43,000kg (94,779 lbs)*
Transport	Length	17.3m (56' 10")	17.2m (56' 5")
	Width	3.0m (9' 10")	3.0m (9' 10")
	Height	3.6m (11' 10")	3.6m (11' 10")
Working	Length	18.5m (60' 8")	18.3m (60' 2")
	Width	15.3m (50' 4")	9.6m (31' 5")
	Height	5.2m (17' 1")	4.9m (16')
Screenunit		6.1m x 1.93m (20' x 6'3")	6.1m x 1.93m (20' x 6'3")
Powerunit		Diesel / Hydraulic	Diesel / Hydraulic
Plant Colour		RAL 5021, 7024 & 9005	RAL 5021, 7024 & 9005

Features & Benefits

- High capacity up to 800 tph / 882 US tph (depending on feed size, mesh size & material type)
- Maximum feed size 750mm. *Maximum allowable feed size may vary depending on material characteristics, material density, percentage oversize, media fitted and options fitted. For specific applications, please consult Powerscreen for determination of maximum feed size.*
- Suitable for scalping or stockpiling as a 3 Way Split or 2 Way Split machine
- Direct feed incline hopper with impact bars & impact rollers
- Hydraulic folding hopper sides featuring wedge retainers (Belt Feeder only)
- Hydraulic load sensing on under screen conveyor circuit & fines discharge conveyor circuit
- Highly aggressive heavy duty triple shaft inclined screen with adjustable speed, stroke & stroke angle
- Jack up screen facility for access to screen media & collection conveyor
- Screen media interchangeable with H Range products
- Jack up legs for screen levelling as standard
- Hydraulically folding conveyors for transport
- Heavy duty 2 speed crawler tracks complete with pendant remote control

Applications

Aggregate

- Sand & gravel
- Blasted rock
- River rock

Recycling

- Top soil
- C&D waste
- Composted materials
- Wood by-products
- Overburden
- Foundry waste

Mining

- Processed ores
- Processed minerals

Abbreviations:

**T=Track, W=Wheel, Std= Standard, Hyd= Hydraulic, W/O= Without, C/W= Complete with
EXT= Extended, DDVG= Double deck vibrating grid, Inc= Including, Aux= Auxillary,
Conv= Conveyor, 3WS= 3 Way Split, 2WS= 2 Way Split,
*=weight will vary depending on machine specification**

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016



All specifications subject to change without prior notice

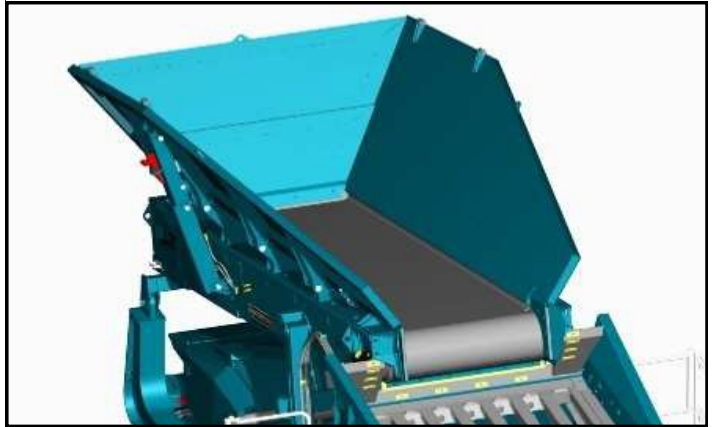


Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017

Hopper

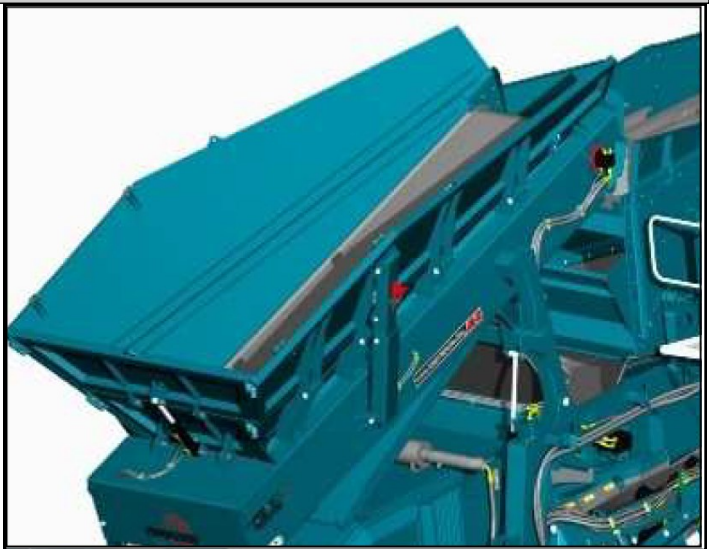
Target area: 5.49m (18') long x 2.7m (8' 10") wide
Hopper capacity: 10m³ (13 cu. yd.)
Feed in height: 3.9m (12' 10") (rear)
Feed in height: 4.65m (14' 8") (side)
Feed in height: 3.36m (11') (collapsed hopper)
Hydraulic folding hopper sides with over centre struts
Complete with wedge lock system, rear wall is collapsible for direct feeding



Heavy Duty Feed Conveyor

Feeder impact protection bars & impact rollers
1300mm (51") extra heavy duty grade belt
4.79m (15' 9") drum centres
350mm (14") diameter drive drum

Two driving speeds available;
Low speed, gearbox driven: 0 - 21rpm (0 - 23m/s)
Medium speed, gearbox driven: 12 - 36rpm (13 - 40m/s)
Hydraulic load sensing
Variable speed control
Supergrip drive drum as standard



Screenbox

Heavy Duty 6.1m x 1.93m (20' x 6'3") 2 deck incline screen with aggressive, triple shaft drive mechanism featuring adjustable speed & stroke angle
Adjustable Oval stroke: 12mm-16mm (15/32" - 5/8")
Oval stroke angle adjustable from 30° - 60°
Jack up screen facility for access to screen media
Hi-torque screen motor mounted direct to screen box
Marshmallow springs
Wear plates on pipe units
Galvanised maintenance platforms on both sides of screen
Screen suitable for bofor, finger, punch plate and mesh screening media



POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016



All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017

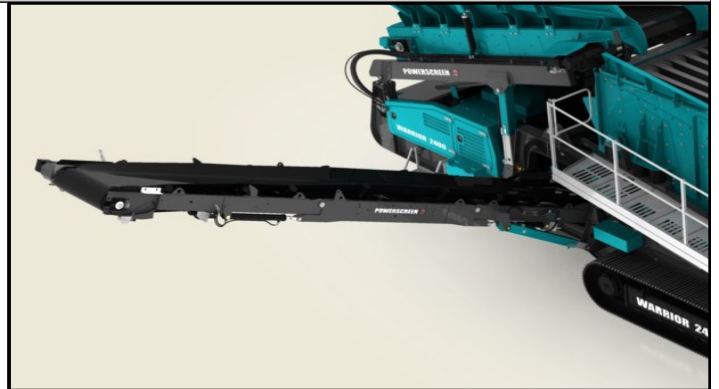
Underscreen Conveyor

1500mm (59") wide 3 ply plain belt
6.25m (20' 6") drum centres
280mm (11") diameter drive drum
Dual head drum scrapers



Finesize - Side Conveyor

900mm (35") wide 3 ply plain belt
8.73m (28' 8") drum centres
280mm (11") diameter drive drum
4.25m (13' 11") stockpile height
114m³ (149 cu. yd.) stockpile capacity
Hydraulically folding
Variable speed control
Angle adjustable: 20° -25°



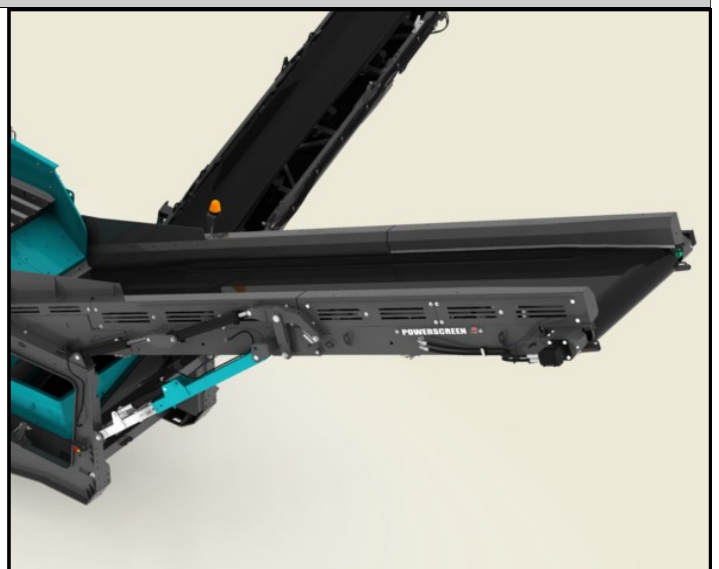
Midsize - Side Conveyor

900mm (35") wide 3 ply plain
8.73m (28' 8") drum centres
280mm (11") diameter drive drum
4.25m (13' 11") stockpile height
114m³ (149 cu. yd.) stockpile capacity
Wear resistant steel lined feed chute
Variable speed control
Hydraulically folding
Removable for 2 Way Split operation
Angle adjustable: 20° -25°



Oversize - Tail Conveyor

1600mm (63") wide 3 ply chevron belt
6.62m (21' 8") drum centres
280mm (11") diameter drive drum
4.95m (16') stockpile height 3WS mode
173m³ (226 cu. yd.) stockpile capacity
4.56m (15') stockpile height 2WS mode
141m³ (184 cu. yd.) stockpile capacity
Wear resistant steel lined feed chute
Variable speed control
Hydraulically folding
Impact bars feed boot section
Angle adjustable: 14° -24°



POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016



All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017

Power unit & Hydraulics

Engine:

Tier 3 / Stage 3A CAT C7.1 LRC — 6 cylinder engine

Performance:

151 kW (202hp) @ 2200rpm

Tank Capacities:

Fuel: 597L (158 US Gal) - Sufficient to run a 12 hour shift

Hydraulic Oil: 780L (206 US Gal)

Pumps:

Flywheel: Cast iron 63/63/33/33cc/rev quad

PTO 'A': Cast iron 29/29cc/rev tandem

Motors:

Feed conveyor: 2 speed choices available

Tail conveyor: Twin drive, Cast iron 500cc/rev

Mid fines side conveyor: Cast iron 500cc/rev

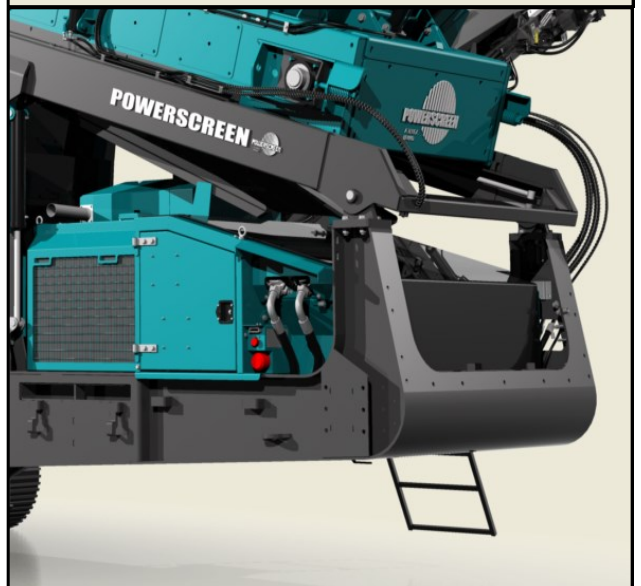
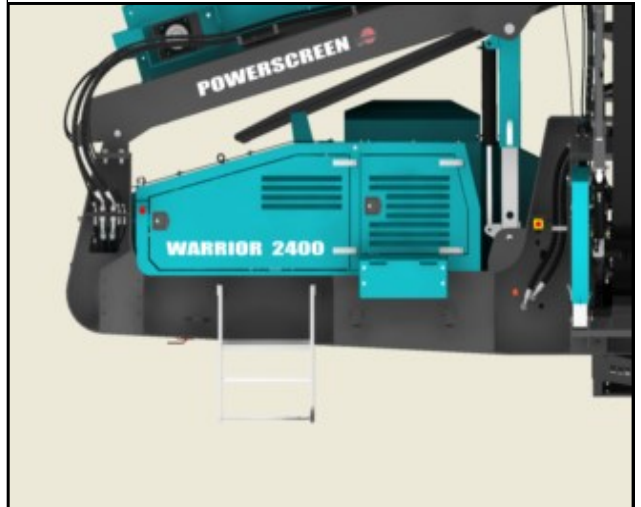
Under screen conveyor: Cast iron 630cc/rev

Fines side conveyor: Cast iron 500cc/rev

Screen: Cast iron 93cc/rev

Optional Diesel Engine:

Tier 4f / Stage IV CAT C7.1 6 cylinder engine developing 151kW (202hp) @ 2200rpm

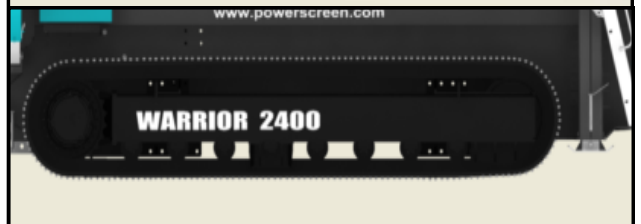


Crawler Track Data

Track width: 500mm

Two Speed Tracks: High 1.1kph (0.68 mph)
Low: 0.55kph (0.34 mph)

Flow rate: 134 Lpm



POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016



All specifications subject to change without prior notice



Powerscreen® Warrior 2400 Options

Specification - Rev 10. 01/01/2017

Incline Apron Feeder

1300mm (51") wide wear resistant feed apron
4.3m (14' 1") apron centres
Fitted with single gearbox drive
Variable speed control



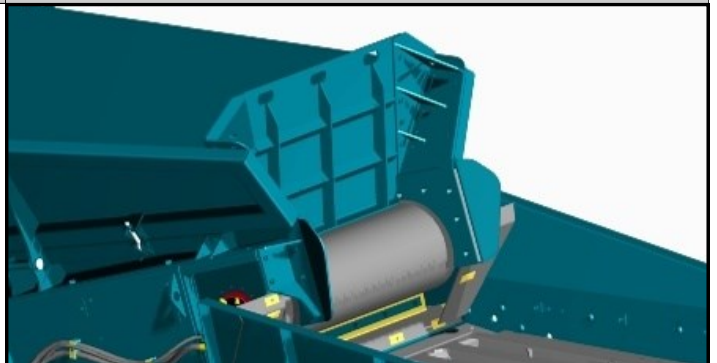
Hopper Wing Extensions

2 off Hopper wing extensions (bolt on)
Manufactured from wear resistant steel for end loading belt feeder with wheel loader
Extensions remain attached to hopper wings during transport



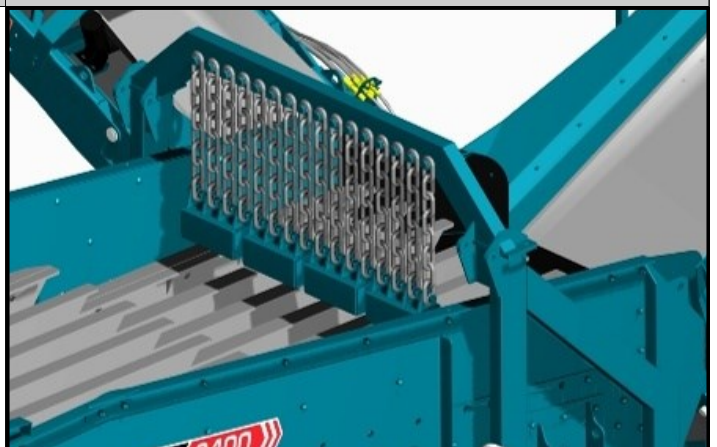
Adjustable Hopper Door

Used in conjunction with feeder conveyor flow control valve to mechanically control the feed material discharge rate



Screen Chain Blanket

Top deck screen chain blanket complete with weight blocks which controls the oversize material speed



POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016



All specifications subject to change without prior notice

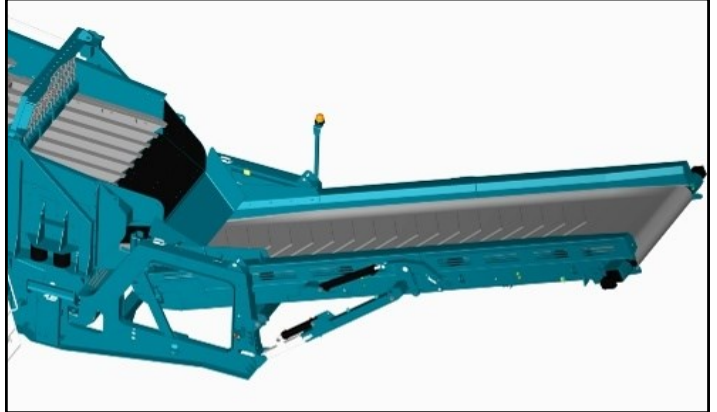


Powerscreen® Warrior 2400 Options

Specification - Rev 10. 01/01/2017

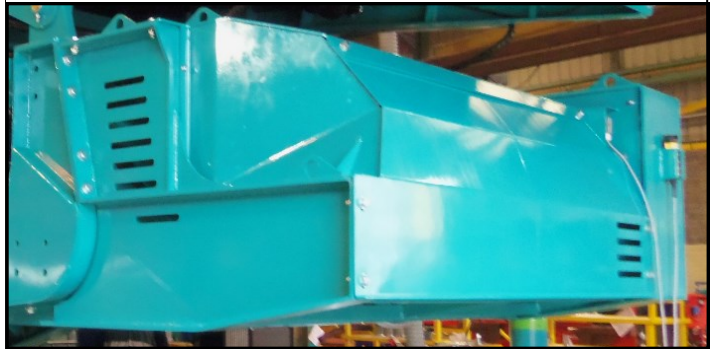
2 Way Split Configuration

Mid sized side conveyor removed
Machine built as 2 Way Split
Top deck & bottom deck oversized material feed on to tail conveyor



Dual Power

Dual Power System:
2 of electric motors IE3; 75 kW (100hp) & 55 kW (73hp) Diesel engine
Integrated control system
This controls either diesel-hydraulic or electric-hydraulic functions
Note: This option may alter transport dimensions and feed access. For further details please contact engineering for detailed drawings and dimensions.



Roll-in Bogie Transport System

Chassis modified to accept tri-axle roll-in bogie complete with kingpin (Non TUV)
Chassis complete with tri-axle roll-in bogie / kingpin (Non TUV)
ABS braking (additional)
Lighting board (additional)



Other Options

Different coloured Machine
Medium speed, belt feeder drive (12—36 rpm)
Chevron side conveyor belts
Auto lubrication system
Radio controlled tracking
Powerscreen Pulse

Media Options

Screen mesh: Max Feed Size: 750mm
Punch plate: Max Feed Size: 750mm
Finger screens: Max Feed Size: 400mm
Grizzly / bofor top deck: Max Feed Size: 750mm
Quick release wedge screen tensioning
Heavy Duty Finger Option

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016



All specifications subject to change without prior notice



Powerscreen® Warrior 2400 Options

Specification - Rev 10. 01/01/2017

Powerscreen Pulse

Powerscreen Pulse is a system which allows the machine to relay data via phone networks, or by satellite when there's no cellular signal, to any device with a web browser, such as a PC, tablet or Smartphone.

Please contact the factory for further information.



POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

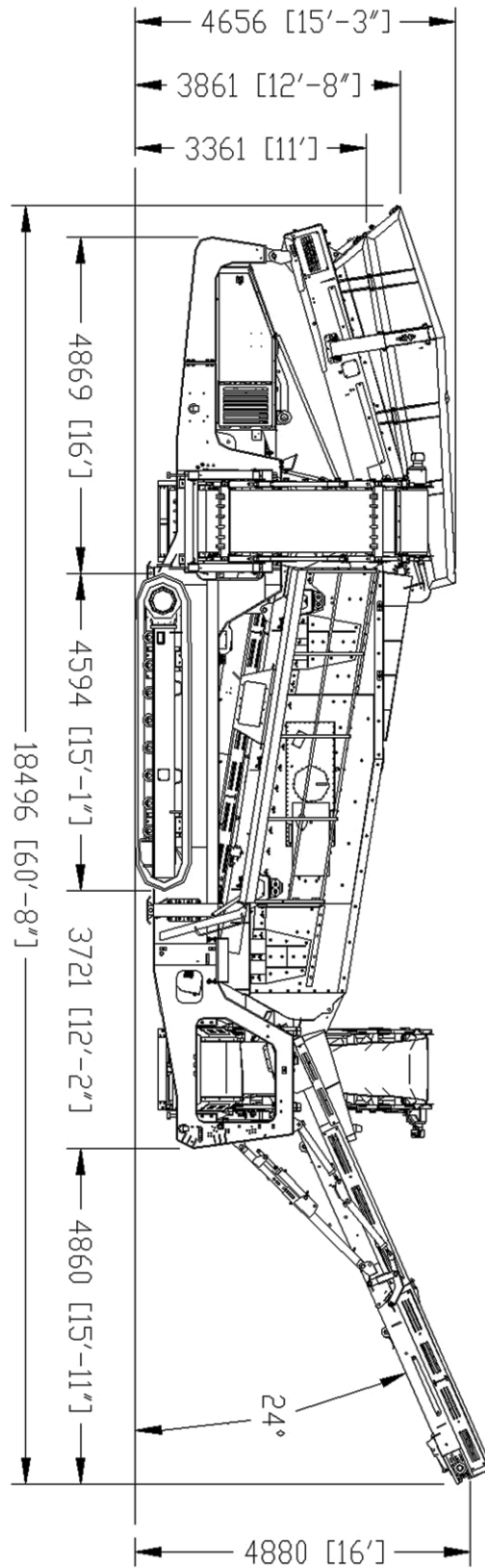


All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017



**Figure 1: Warrior 2400 2 Deck Track
3 Way Split
Working Position**

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

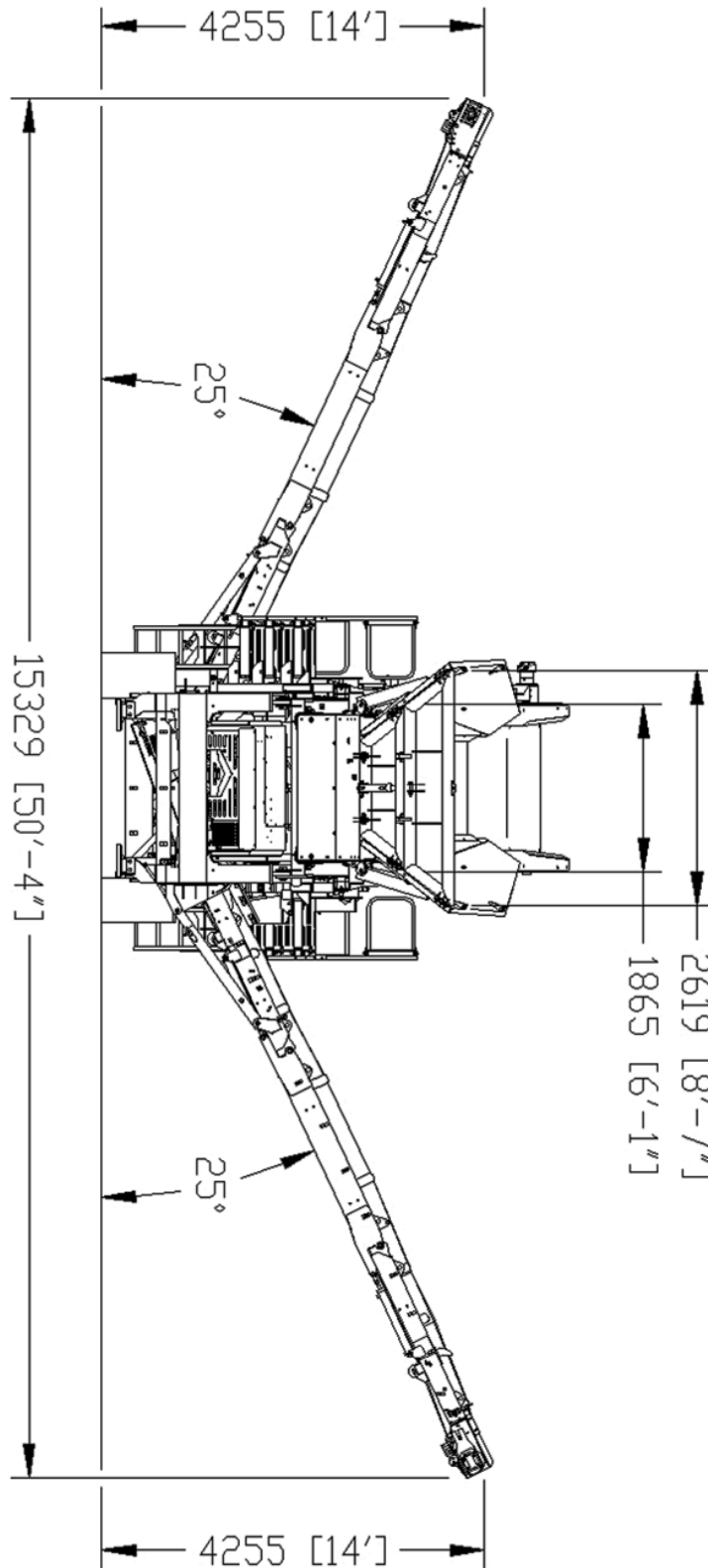


All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017

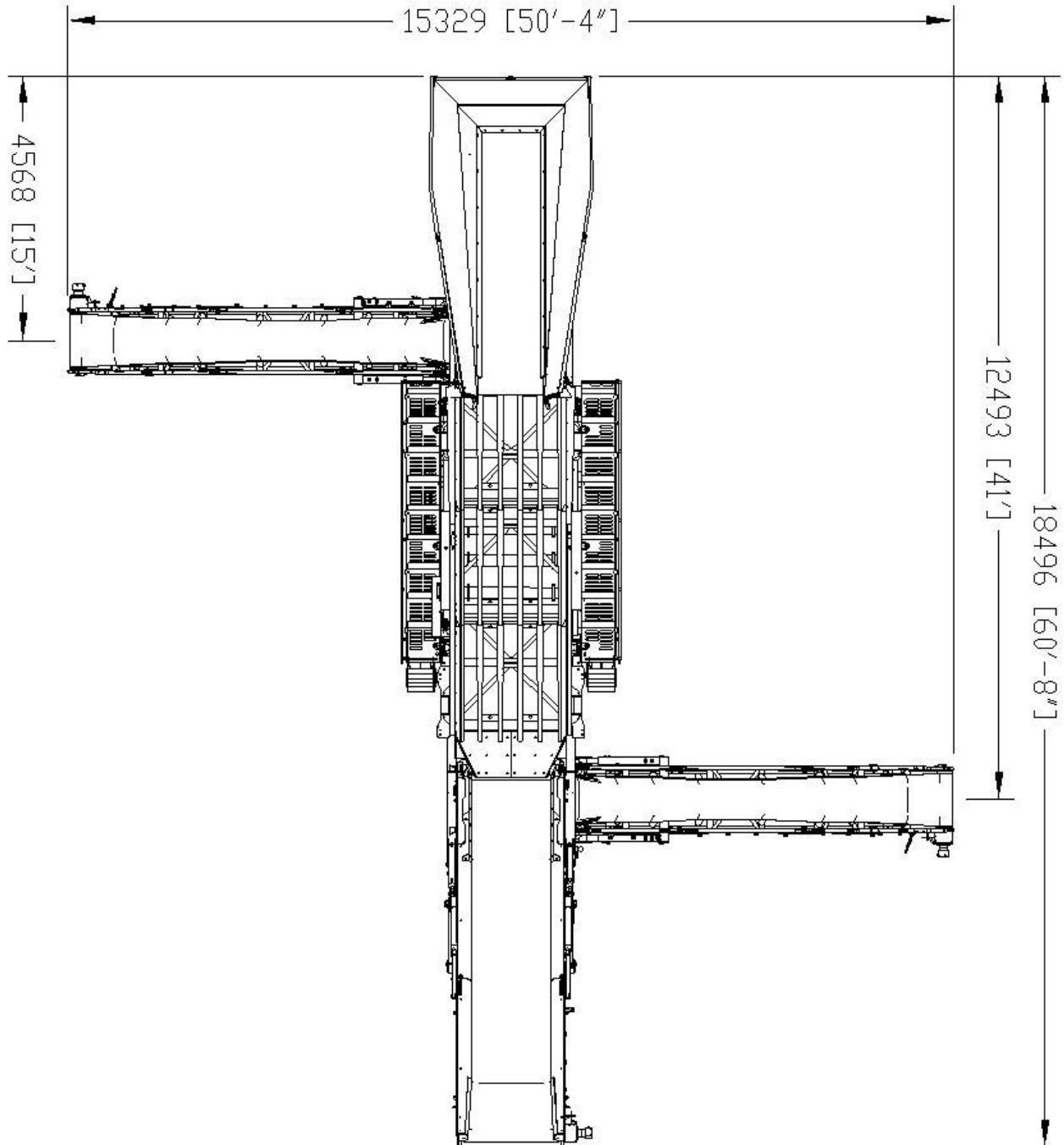


**Figure 2: Warrior 2400 2 Deck Track
3 Way Split
Working Position**

All specifications subject to change without prior notice

Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017



**Figure 3: Warrior 2400 2 Deck Track
3 Way Split
Working Position**

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

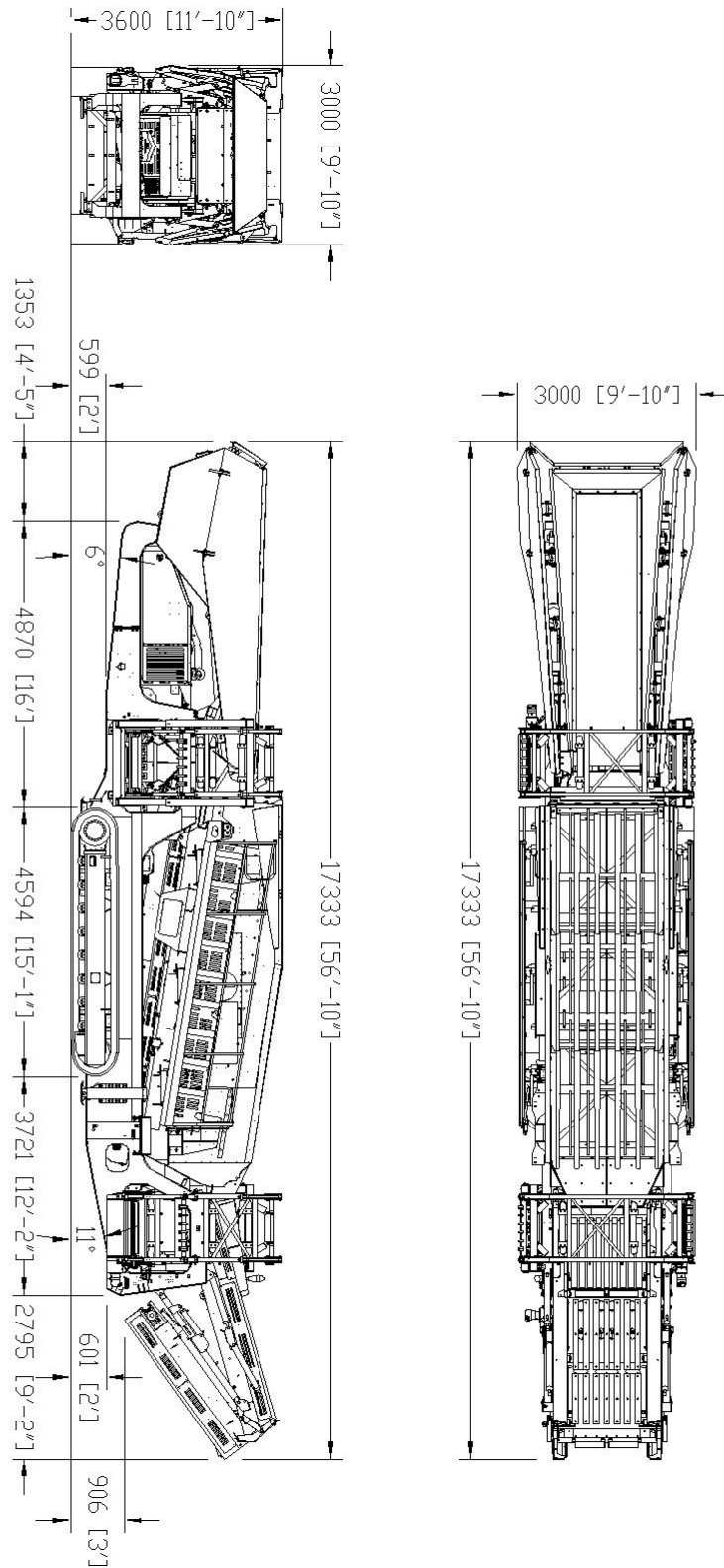


All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017

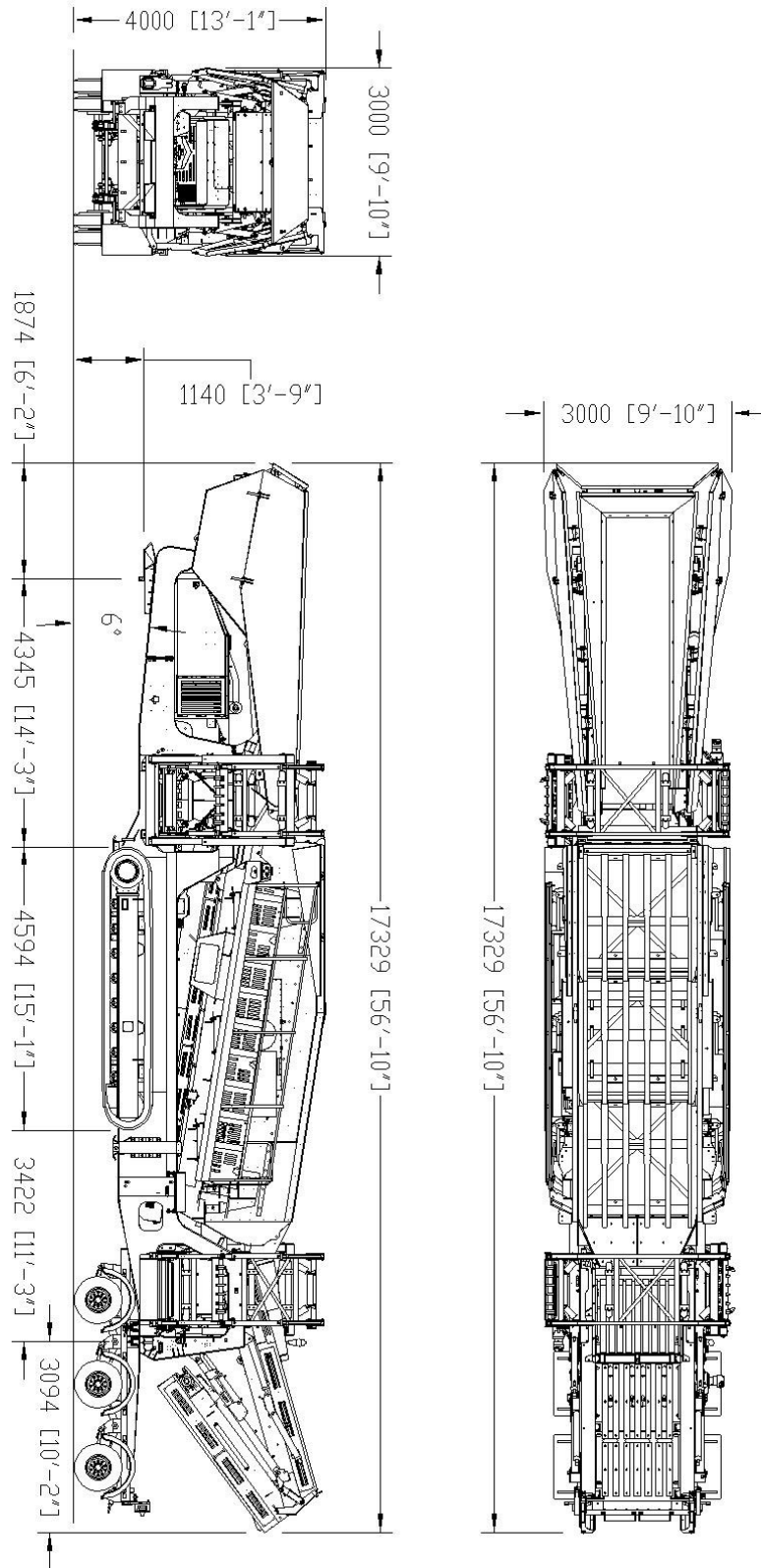


**Figure 4: Warrior 2400 2 Deck Track
3 Way Split
Transport Position**

All specifications subject to change without prior notice

Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017



**Figure 5: Warrior 2400 2 Deck Track
3 Way Split
Tri-axle Bogie
Transport Position**

All specifications subject to change without prior notice

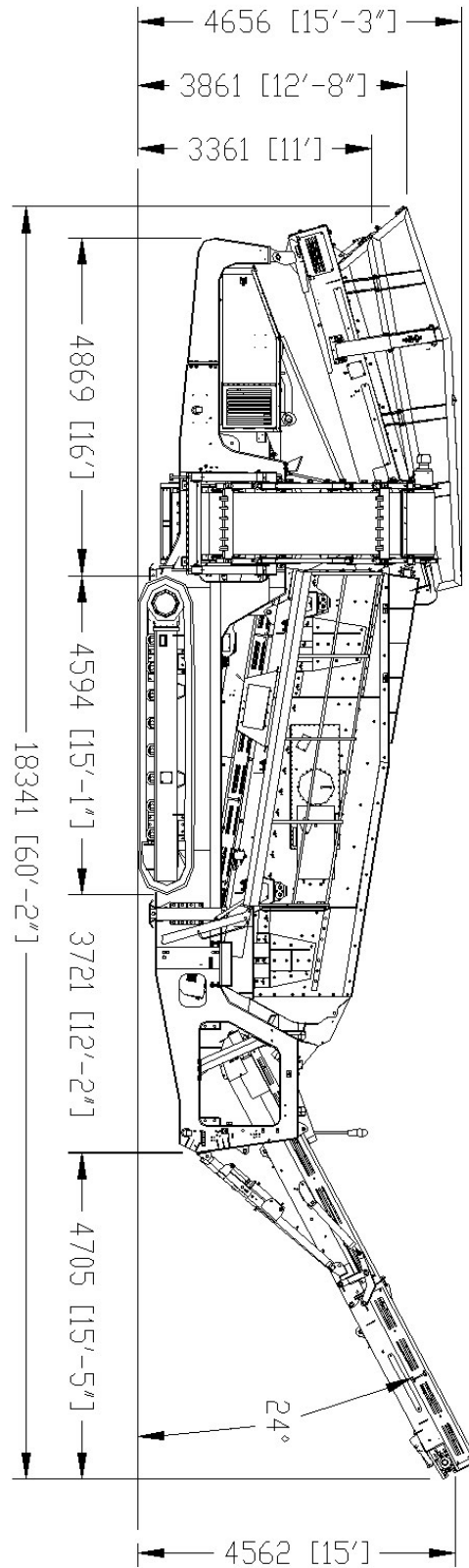
POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

50



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017



**Figure 6: Warrior 2400 2 Deck Track
2 Way Split
Working Position**

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

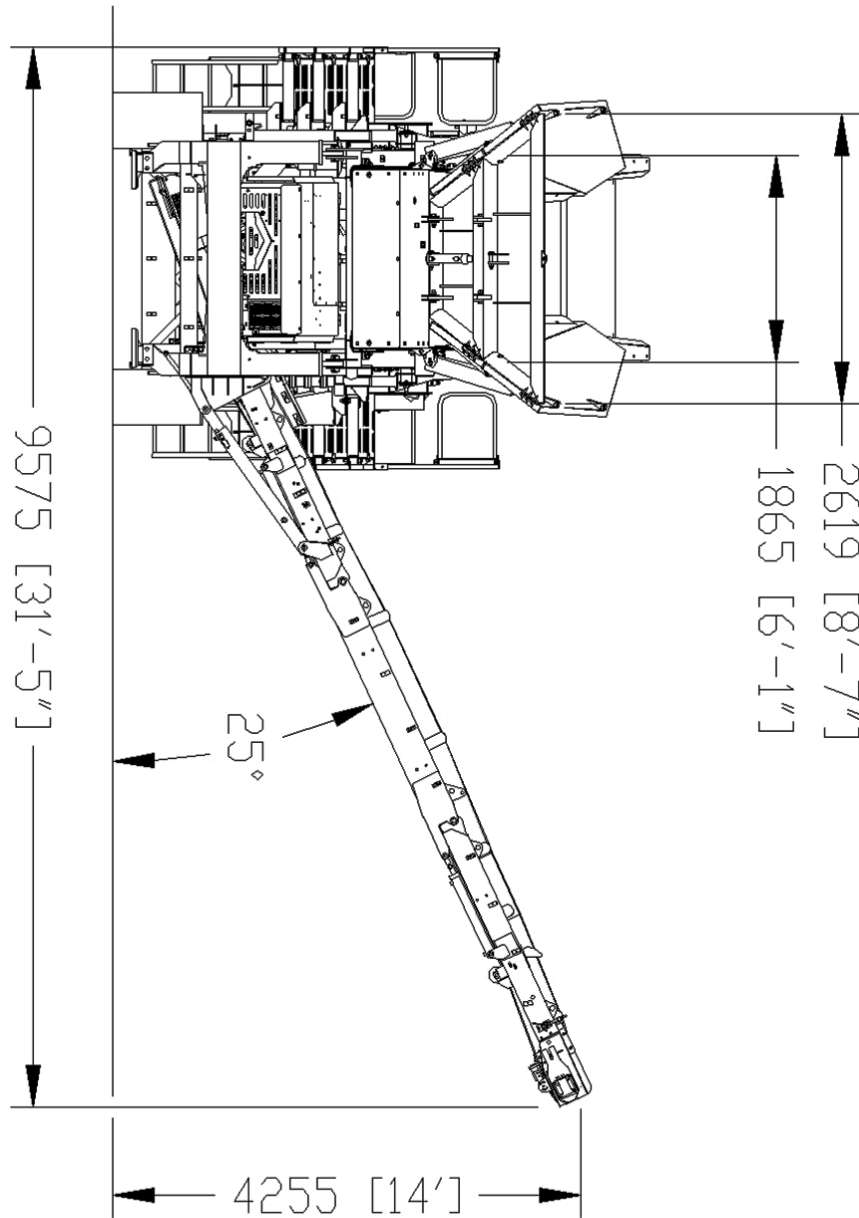


All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017



**Figure 7: Warrior 2400 2 Deck Track
2 Way Split
Working Position**

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

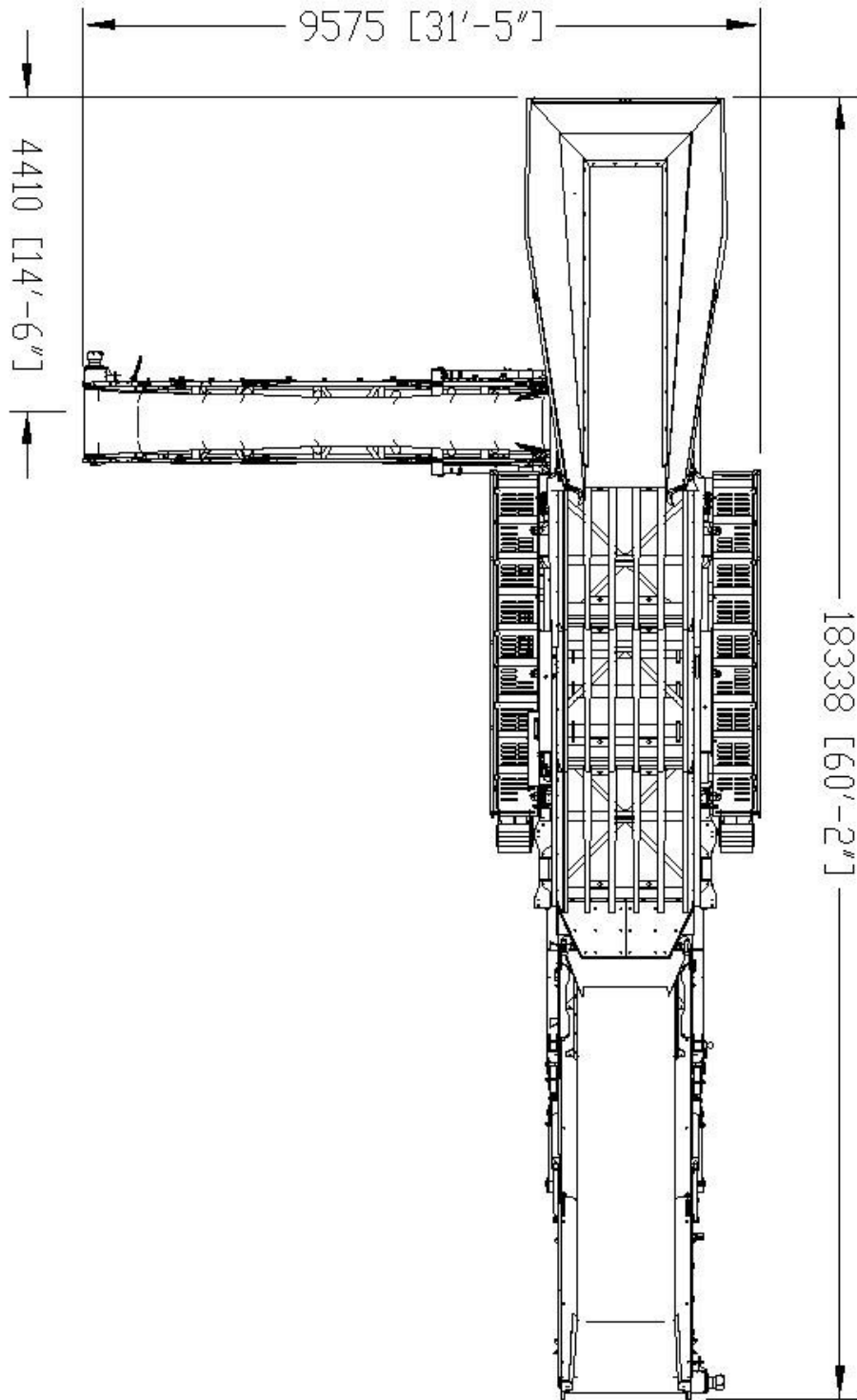


All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017



**Figure 8 Warrior 2400 2 Deck Track
2 Way Split
Working Position**

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

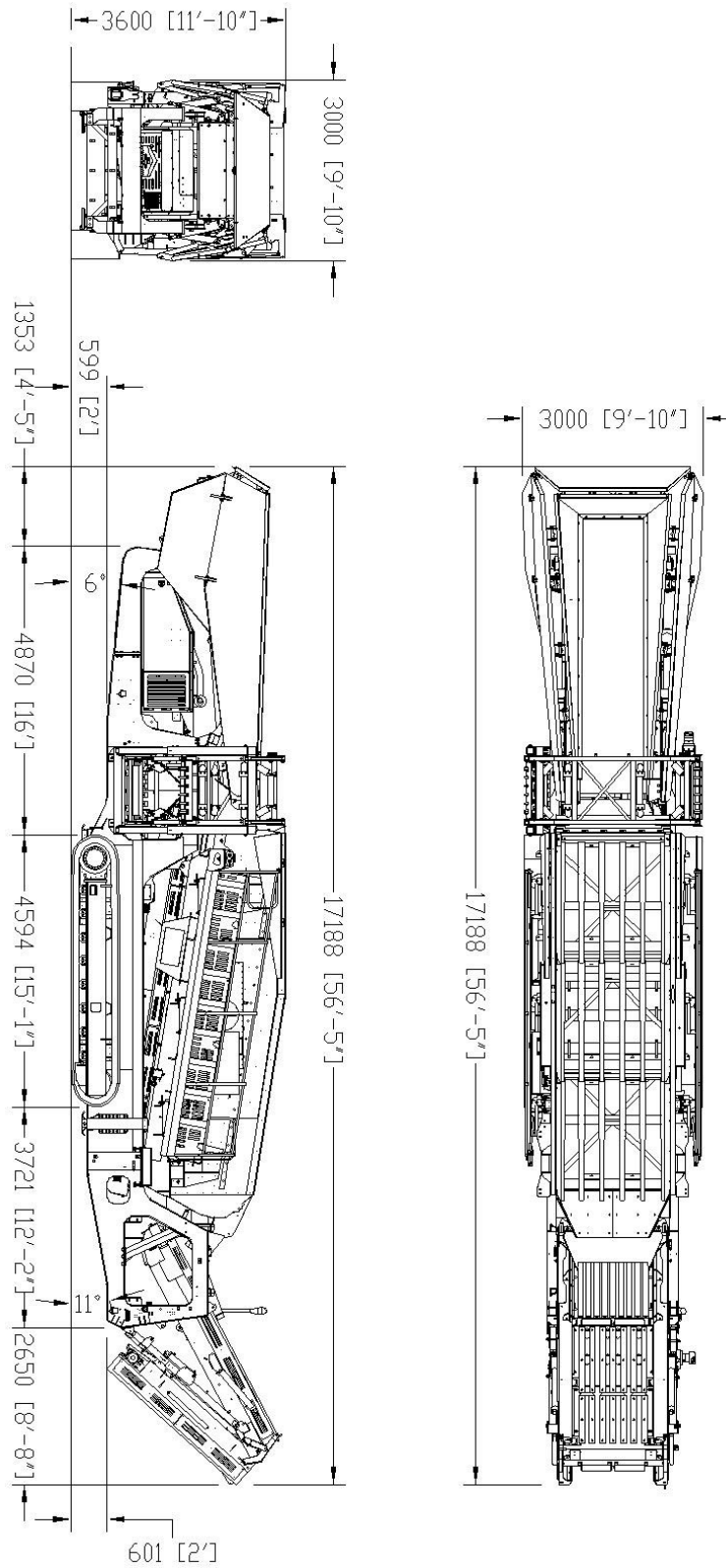


All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017



**Figure 9: Warrior 2400 2 Deck Track
2 Way Split
Transport Position**

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016

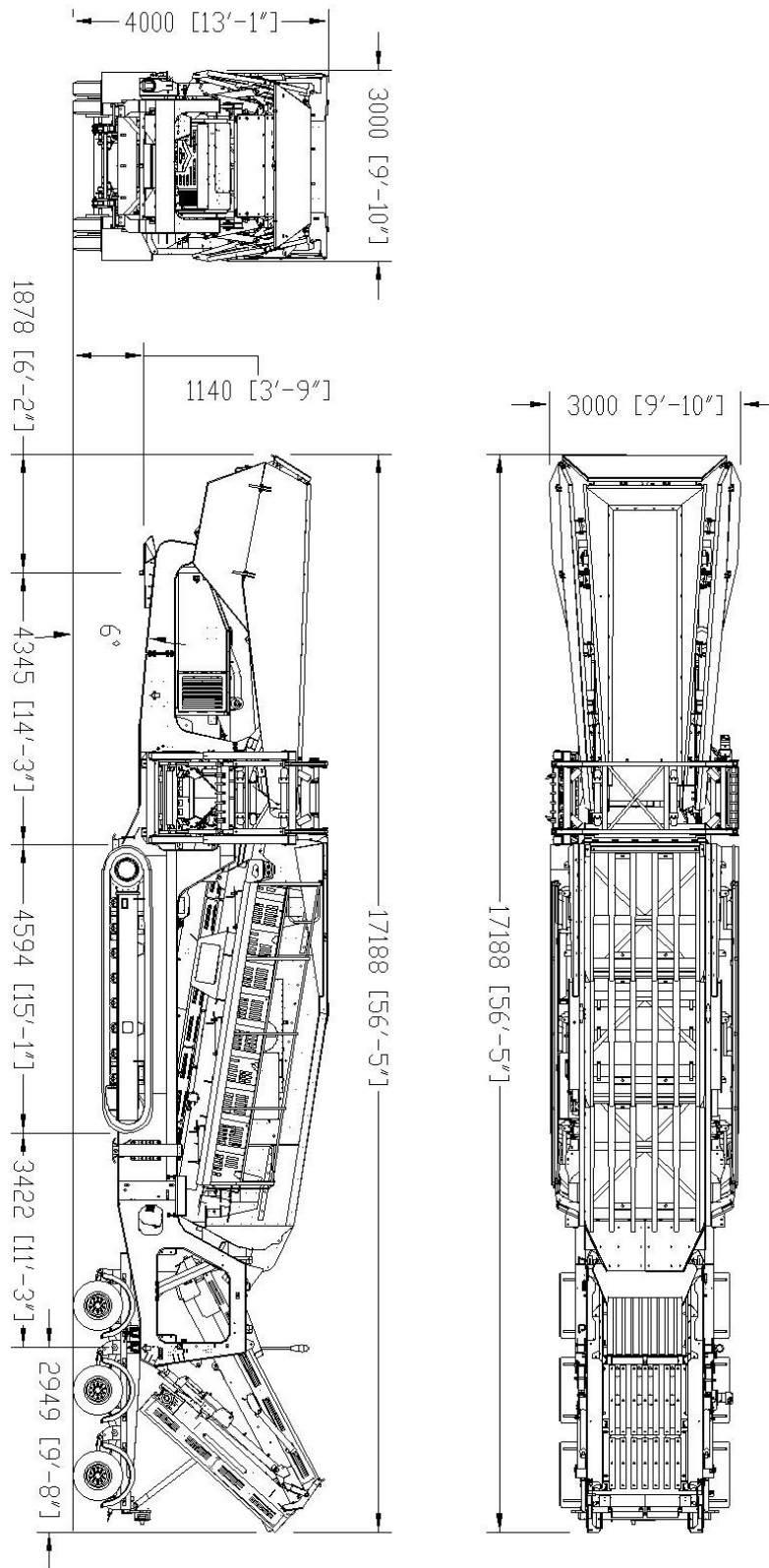


All specifications subject to change without prior notice



Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017



**Figure 10: Warrior 2400 2 Deck Track
2 Way Split
Tri-axle Bogie
Transport Position**

All specifications subject to change without prior notice

Powerscreen® Warrior 2400

Specification - Rev 10. 01/01/2017

Powerscreen equipment complies with CE requirements.

Please consult Powerscreen if you have any other specific requirements in respect of guarding, noise or vibration levels, dust emissions, or any other factors relevant to health and safety measures or environmental protection needs. On receipt of specific requests, we will endeavour to ascertain the need for additional equipment and, if appropriate, quote extra to contract prices.

All reasonable steps have been taken to ensure the accuracy of this publication, however due to a policy of continual product development we reserve the right to change specifications without notice.

It is the importers' responsibility to check that all equipment supplied complies with local legislation regulatory requirements.

Plant performance figures given in this brochure are for illustration purposes only and will vary depending upon various factors, including feed material gradings and characteristics. Information relating to capacity or performance contained within this publication is not intended to be, nor will be, legally binding.

Terex GB Ltd.
200 Coalisland Road
Dungannon
Co. Tyrone
Northern Ireland
BT71 4DR

Tel: +44(0) 28 8774 0701
Fax: +44(0) 28 8774 6569

E-Mail: sales@powerscreen.com
Web: www.powerscreen.com

Terex is a registered trademark of Terex Corporation in the United States of America and many other countries.
Powerscreen is a registered trademark of Terex GB Ltd in the United States of America and many other countries.

Copyright Terex Corporation 2017

POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016



All specifications subject to change without prior notice

