

Powerscreen® Warrior 1400X

2 Deck Heavy Duty Incline Screen

Specification - Rev 5. 01/01/2017



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Specification

| | Three Way Split | Two Way Split |
|---------------------|---------------------------|---------------------------|
| Total weight | Est 30,000kg (66,138lbs) | 27,200kg (59,965lbs) |
| Transport | | |
| Length | 14.17m (46' 6") | 13.62m (44' 8") |
| Width | 2.75m (9' 0") | 2.75m (9' 0") |
| Height | 3.20m (10' 6") | 3.20m (10' 6") |
| Operation | | |
| Length | 14.20m (46' 7") | 13.96m (45' 10") |
| Width | 12.59m (41' 3") | 8.13m (26' 8") |
| Height | 4.40m (14' 5") | 4.40m (14' 5") |
| Screenunit | 3.6m x 1.25m (12' x 4.5') | 3.6m x 1.25m (12' x 4.5') |
| Powerunit | Diesel / Electric | Diesel / Electric |
| Paint: | RAL 5021, 7024 & 9005 | RAL 5021, 7024 & 9005 |

Features & Benefits

- High capacity up to 500 tph / 551 stph (depending on mesh sizes & material type)
- Suitable for scalping or stockpiling as a 3-Way Split or 2-Way Split machine
- Single button Start-up & Shut down
- Maximum feed size 500mm. Maximum allowable feed size may vary depending on material.
- Heavy duty inclined hopper & belt feeder featuring impact bars & impact rollers
- Fixed hopper sides & twin drive belt feeder
- Jack up screen facility for access to screen media & collection conveyor
- Collection conveyor raise feature for conveyor & diesel tank access
- Heavy-duty aggressive 2-bearing screenbox with 10mm stroke (optional 12mm stroke)
- Galvanised screen walkways and access ladders as standard
- Maximum mobility with heavy duty, low ground pressure crawler tracks.
- Quick set up time typically under 10 minutes.
- Hydraulically folding conveyors for transport
- Two speed heavy duty crawler tracks, c/w removable pendant remote control system.

Application

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, *= depending on machine specification**

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Specification - Rev 5. 01/01/2017

Hopper

Target area: 4.7m (15' 6") long x 2.6m (8' 6") wide

Hopper capacity: 7.0m³ (9.2 cu. yd.)

Fixed heavy duty hopper sides, manufactured from wear resistant steel with optimised reinforcement

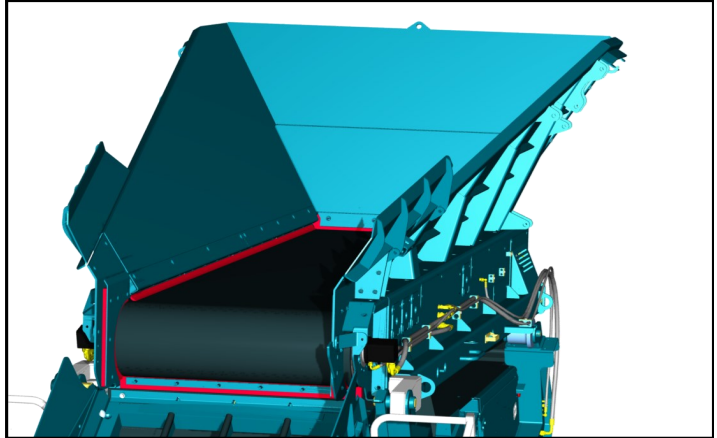
Rear wall collapsible for direct feeding

Hydraulic slide & raise facilities for transport

Feed in height: (Side) 3.98m (13' 1")

Feed in height: (Rear) 3.40m (11' 2")

Feed in height: (Collapsed Hopper) 2.85m (9' 4")



Heavy Duty Feed Conveyor

Heavy duty impact bars & impact rollers supporting belt
1300mm (51") 4 ply Heavy Duty Grade belt

Heavy duty drive featuring electric/motor gearbox drive

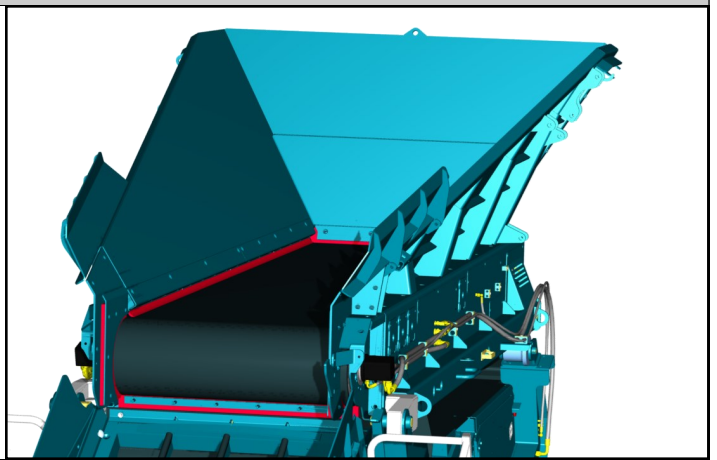
Pulley speed; (0-12rpm)

Variable speed control

4.1m (13' 3") drum centres

Stay clean system under feeder

Supergrip drive drum as standard



Screenbox

Heavy Duty 3.6m x 1.25m (12' x 4.5') 2 deck,
2 bearing incline screen with highly aggressive
And compact screen drive

Adjustable belt driven screen drive, increased
flexibility over direct drive alternatives, adjustable
stroke: 10 - 12mm (3/8" - 1/2")

Side tensioned or modular top deck

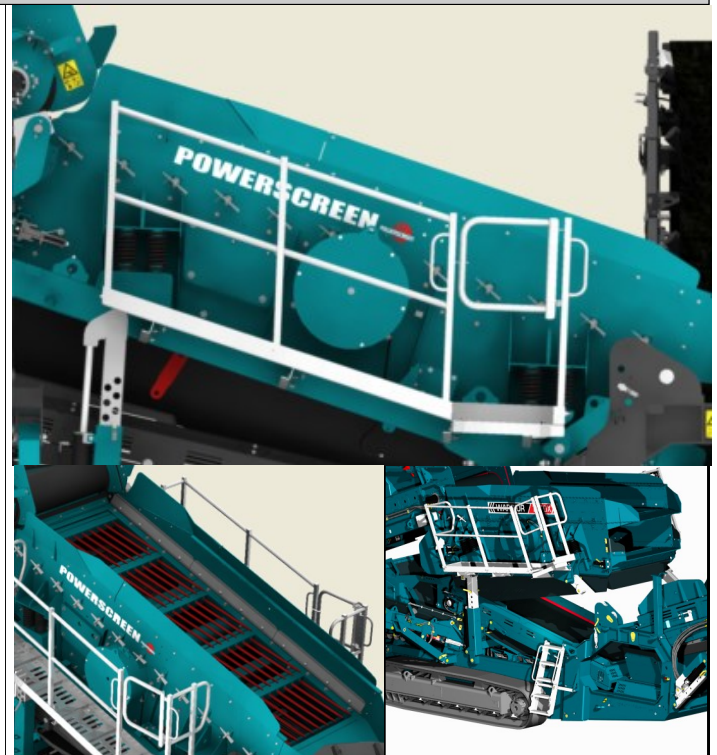
End tensioned or modular bottom deck

Jack up screen facility for access to screen media
1m movement

Hydraulic screen angle adjustment 13° - 19°

Galvanised walkways on both sides of screen

Modular screen suitable for Bofor, Finger, Punch
Plate and Mesh screen media & combined Finger/
Punch Plate



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Specification - Rev 5. 01/01/2017

Underscreen Conveyor

1200mm (48") wide 3-ply plain belt
3.5m (11' 6") drum centres
Accessible via jack up screen facility
Underside accessible with collection conveyor raise facility



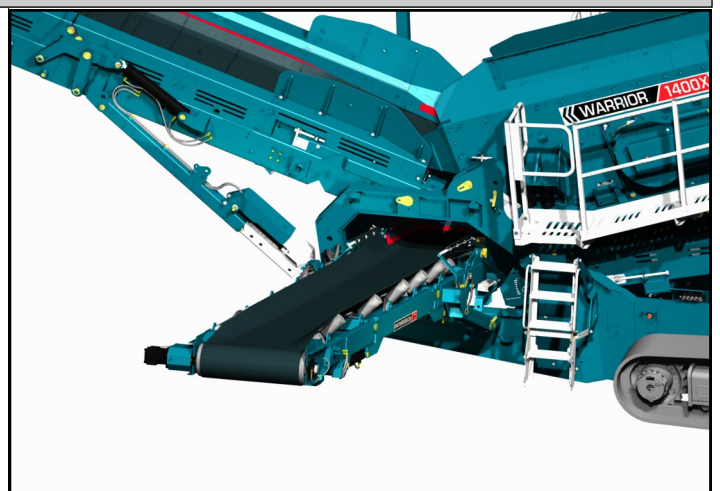
Fines - Side Conveyor

900mm (35") wide 3-ply plain belt (chevron option)
Impact bars under feedboot area
Deflector plate for optimum material travel
Hydraulically folding, angle adjustable
3.72m (12' 2") stockpile height
7.20m (23' 7") drum centres



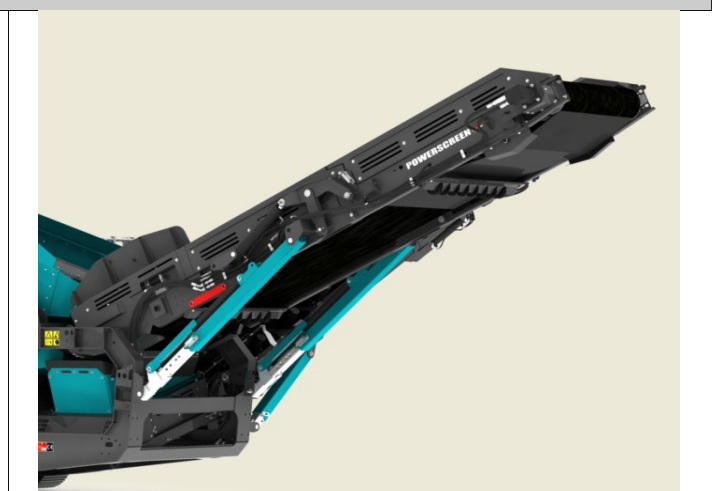
Midsize - Side Conveyor

900mm (35") wide 3-ply plain belt (chevron option)
Impact bars under feedboot area
Variable speed control
Hydraulically folding, angle adjustable
3.6m (11' 10") stockpile height
7.20m (23' 7") drum centres
Removed during 2 Way Split operation



Oversize - Tail Conveyor

1200mm (48") wide troughed 3-ply chevron belt
Variable speed control
Hydraulically raise & lower facility
Impact bed along entire length
Hydraulically foldable for transport
Angle adjustable 0° - 24°
Stockpile height 3WS mode: 4.0 m (13' 1')
Stockpile height 2WS mode: 3.4m (11' 3")
5.64m (18' 6") drum centres



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OF POWER 2016



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Powerscreen® Warrior 1400X

Specification - Rev 5. 01/01/2017

Power unit & Hydraulics

Engine:

Caterpillar C4.4 Tier 3 Equivalent - 4 Cylinder diesel

Performance:

83kW (111hp) @ 1800 RPM

Tank Capacities:

Fuel: 336 L (88 US Gal) Protected diesel tank

Hydraulic Oil: 450 L (119 US Gal)

Pumps:

Flywheel pump: Cast iron 63/41/41 cc/rev triple

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

Motors:

Belt Feeder Motors: 125cc/rev

Tail conveyor: Cast iron 800cc/rev

Mid fines side conveyor: Cast iron 500cc/rev

Collection Conveyor Motor: Cast iron 500cc/rev

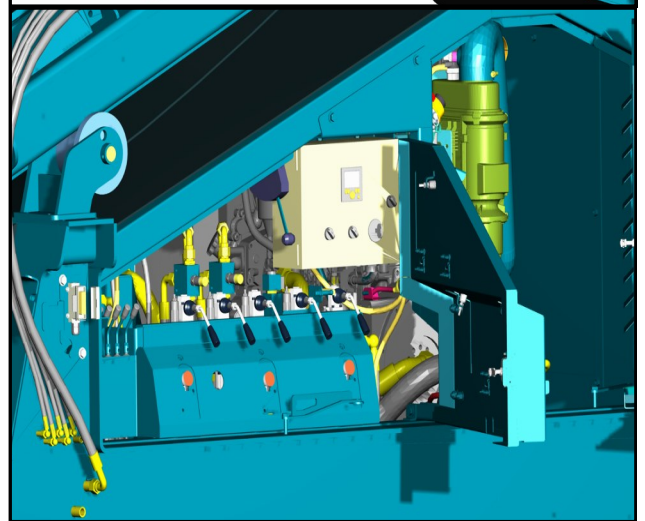
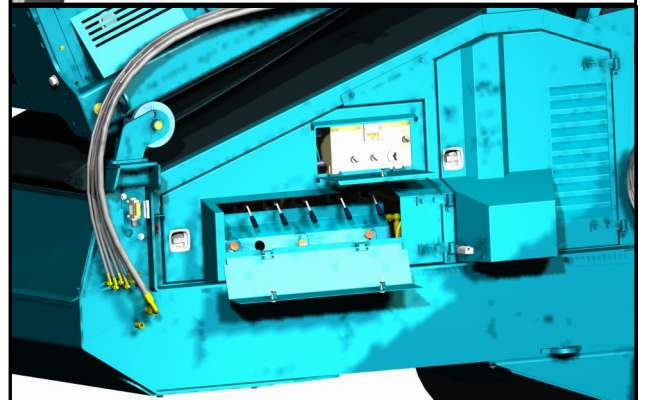
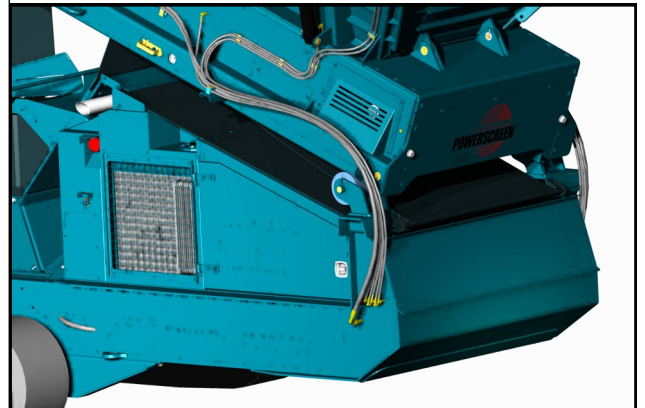
Fines Conveyor Motor: Cast iron 500cc/rev

Screen Motor: Cast iron 58.7cc/rev

Optional Apron Feeder Motor: 400cc/rev

Optional Diesel engine:

Caterpillar C4.4 Tier 4f / Stage IV - 4 cylinder diesel engine developing 82kW (110hp) @ 1800 RPM



Crawler Tracks

Two Speed Tracking System

Speed (High Speed): 1.7 kph (1.06mph)



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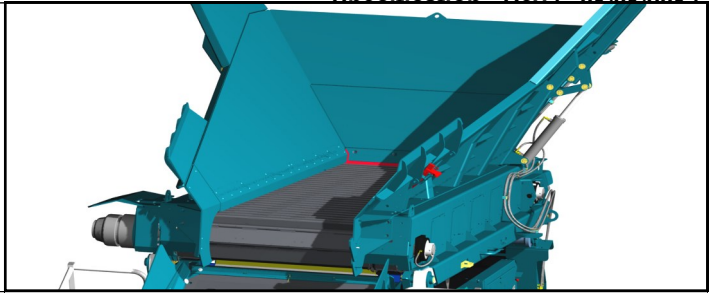


Powerscreen® Warrior 1400XE Options

Specification Book F 04/04/0047

Incline Apron Feeder

1000mm (40" Inside hopper width) wide wear resistant feed apron
 Fitted with single gearbox drive
 Variable speed control
 4.00m (13' 1") apron centres



2 Way Split Configuration

Mid sized side conveyor removed
 Machine built as 2 Way Split
 Top deck & bottom deck oversize material fed on to tail conveyor.



300mm Chassis Riser

Machine chassis raised 300mm to provide improved ground clearance and additional conveyor stockpiling capacity.

Transport height: 3.5m (11' 6")



Dual Power

Electric motors; 37kW & 30kW
 Diesel engine
 Integrated control system managing diesel-hydraulic or electrical-hydraulic functions

Note: This option may alter transport dimensions and feed access. Please contact engineering for detailed drawings and dimensions.



Other Options

Different coloured machine
 Side conveyor telescopic hydraulic extensions (1.2m)
 Chevron side conveyor belts
 Hopper extensions (Hydraulic fold & lock)
 Auto lubrication system
 Radio controlled tracking
 Quick release wedge screen tensioning
 Reversed Side Conveyors
 Screen blanket
 Powerscreen Pulse

Other Media Options

Top Deck

Grizzly / Bofor Deck: Max Feed Size = 500mm
 Finger Screens: Max Feed Size: 400mm
 Punch Plate: Max Feed Size = 500mm
 Screen Mesh: Max Feed Size = 500mm

Bottom Deck

Finger Screens
 Punch Plate: Mild Steel or Wear Resistant Steel
 Screen Mesh: Standard, Heavy Duty or Welded

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Powerscreen® Warrior 1400XE Options

Specification - Rev 5. 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.



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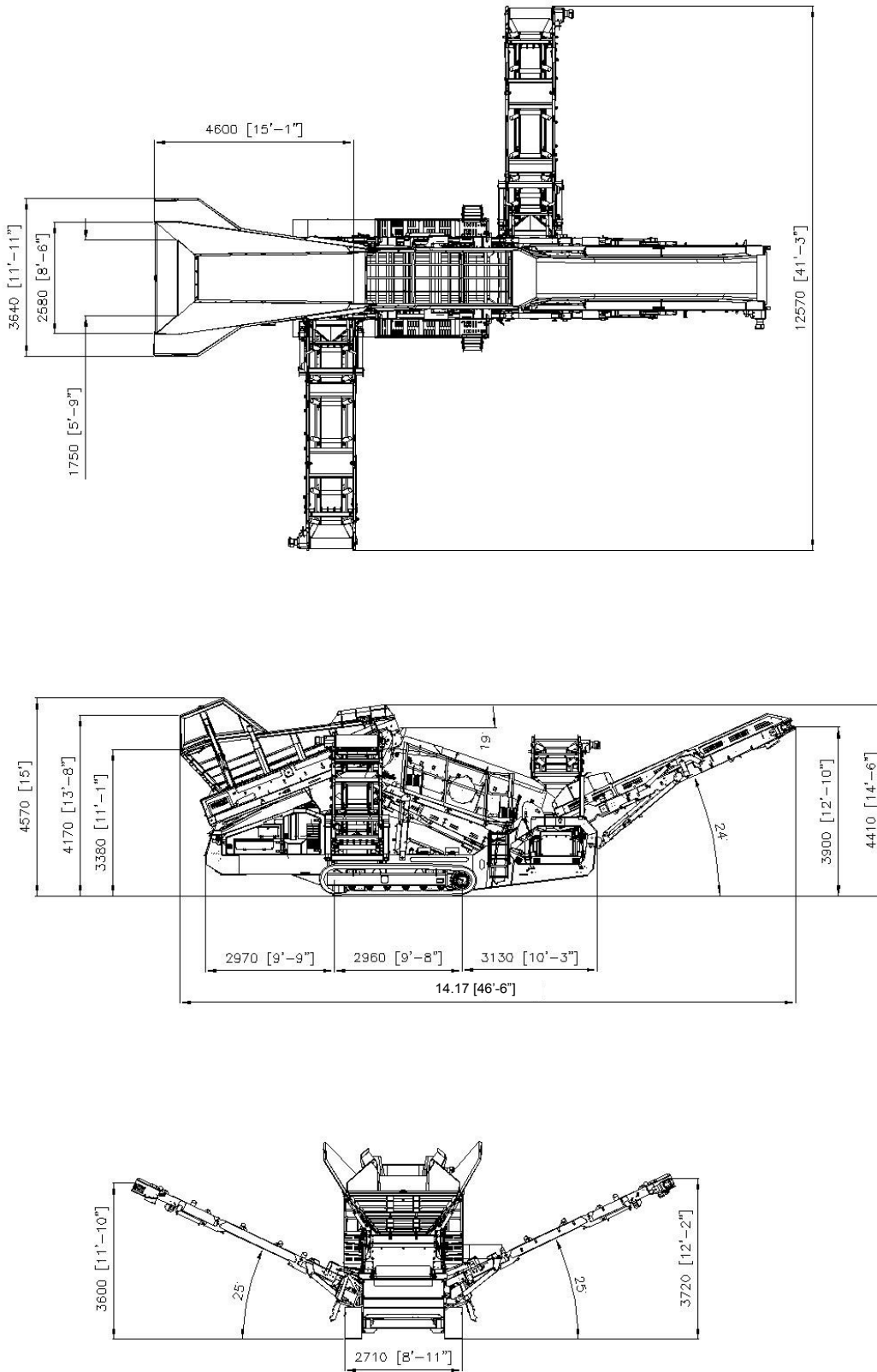


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Powerscreen® Warrior 1400X

Specification - Rev 5. 01/01/2017



**Figure 1: Warrior 1400X 2 Deck Track
3 Way Split
Working Position**

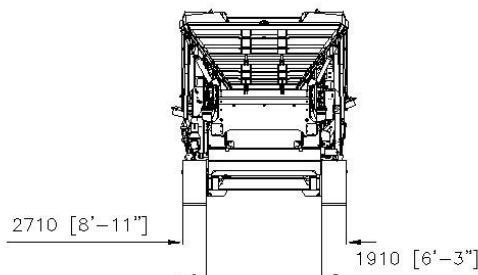
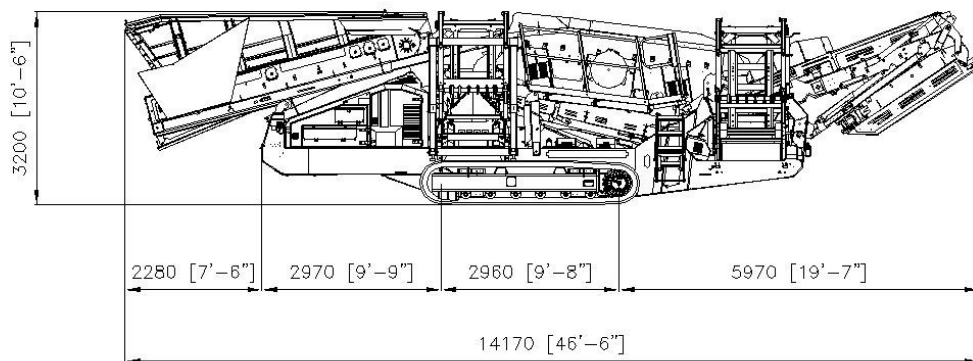
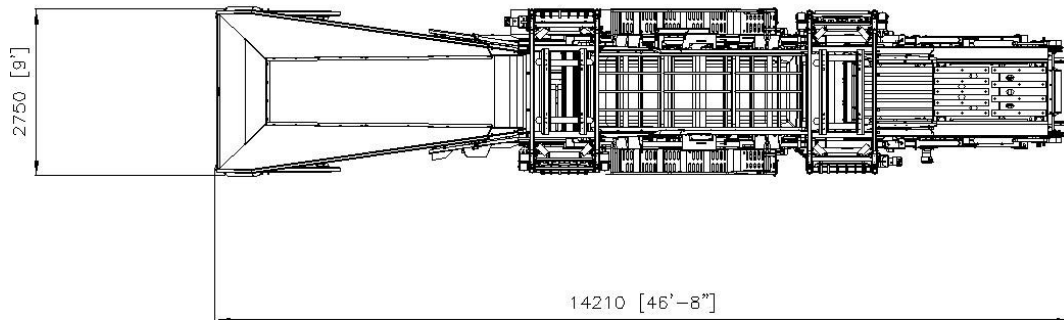
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Powerscreen® Warrior 1400X

Specification - Rev 5. 01/01/2017



**Figure 2: Warrior 1400X 2 Deck Track
3 Way Split
Transport Position**

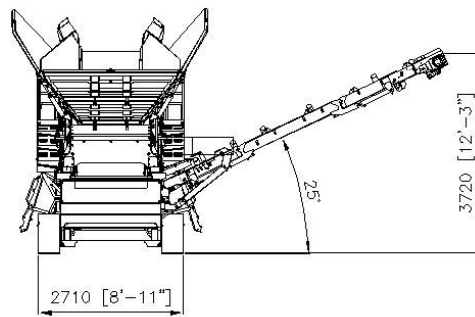
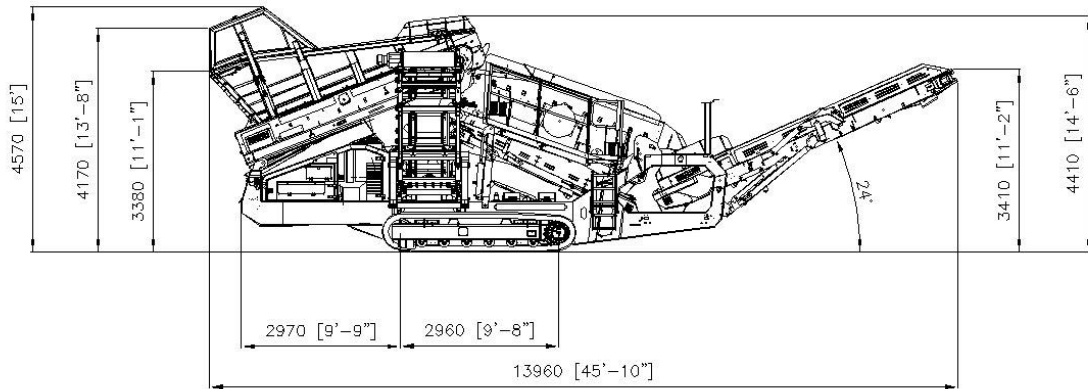
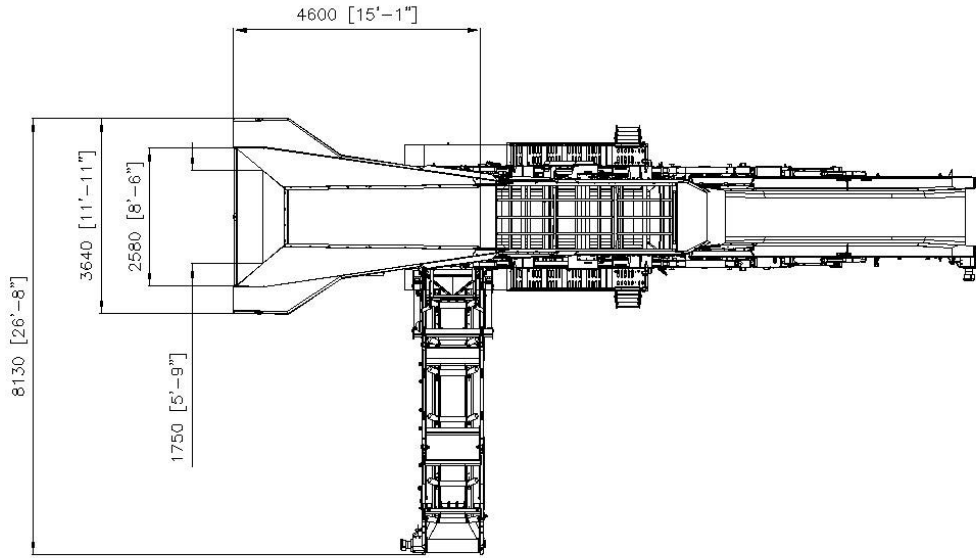
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Specification - Rev 5. 01/01/2017



**Figure 3: Warrior 1400X 2 Deck Track
2 Way Split
Working Position**

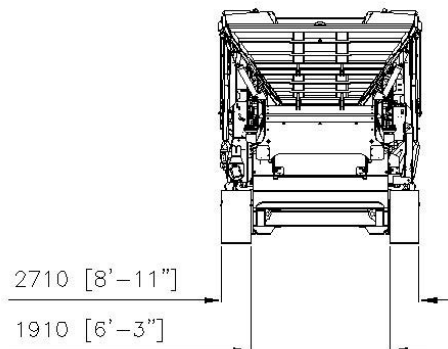
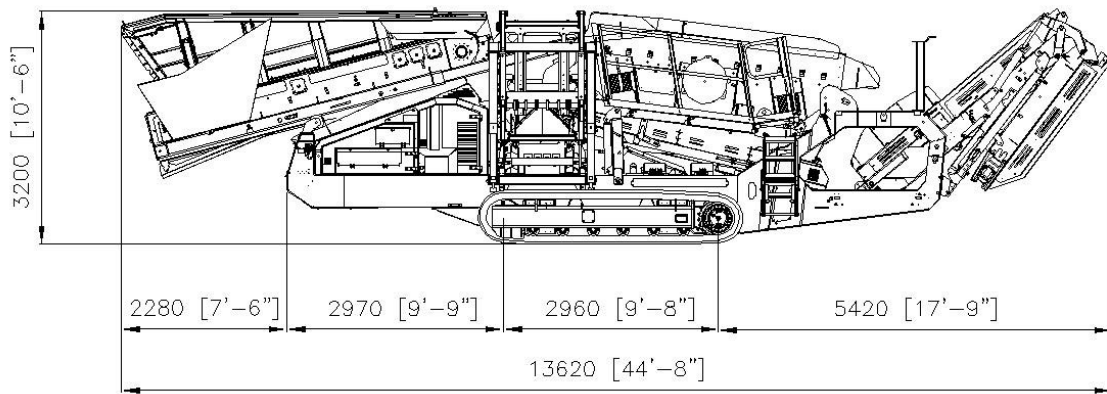
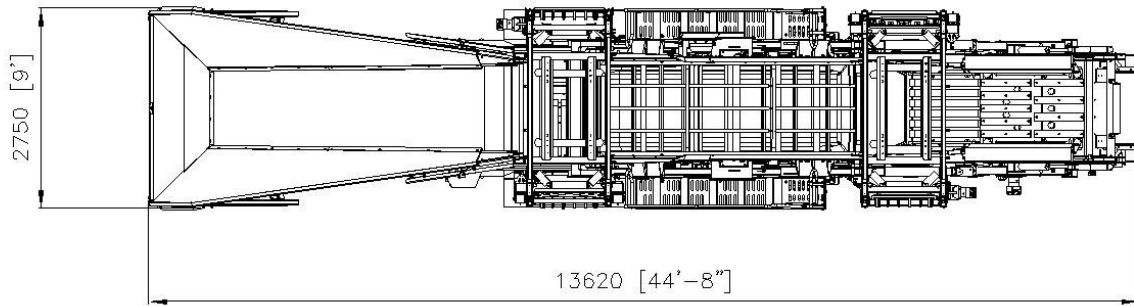
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Specification - Rev 5. 01/01/2017



**Figure 4: Warrior 1400X 2 Deck Track
2 Way Split
Transport Position**

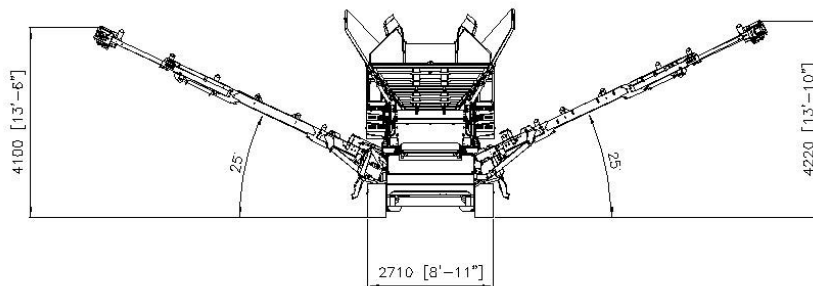
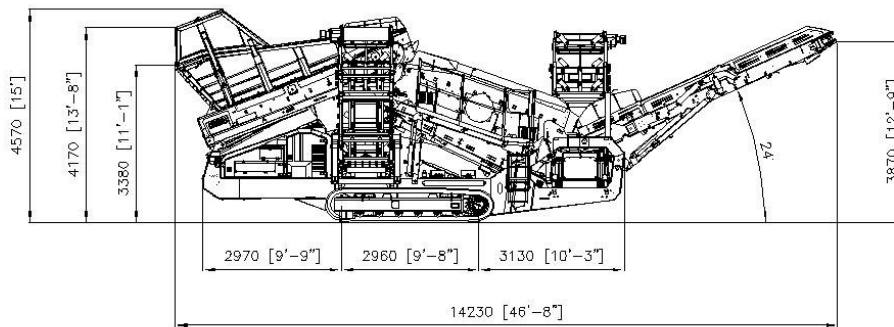
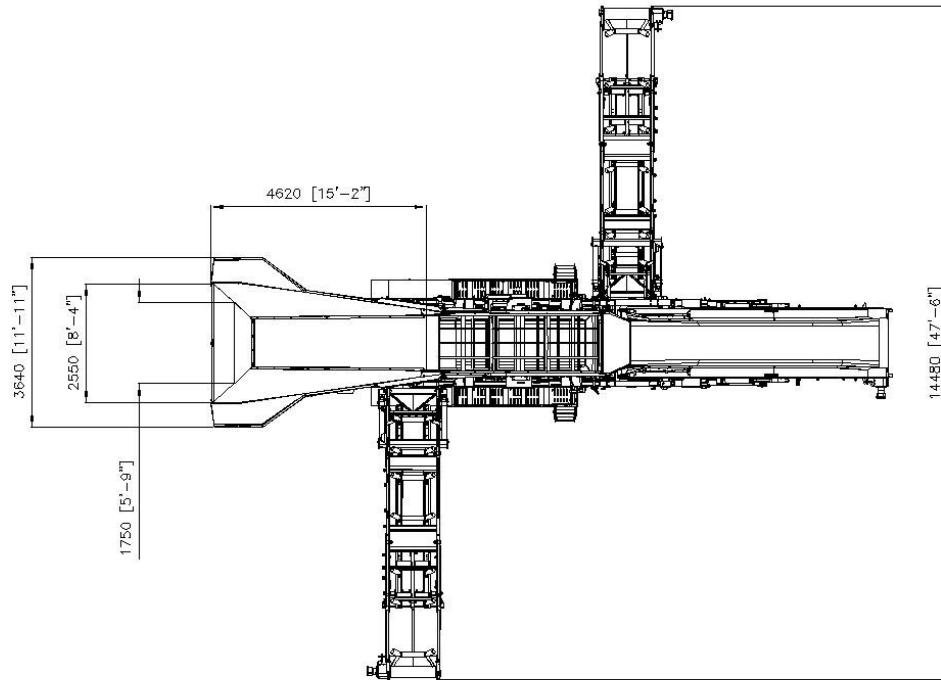
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Specification - Rev 5. 01/01/2017



**Figure 5: Warrior 1400X 2 Deck Track
Telescopic Side Conveyors
3 Way Split
Working Position**

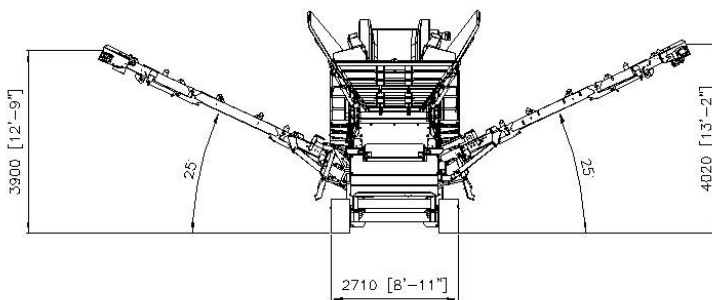
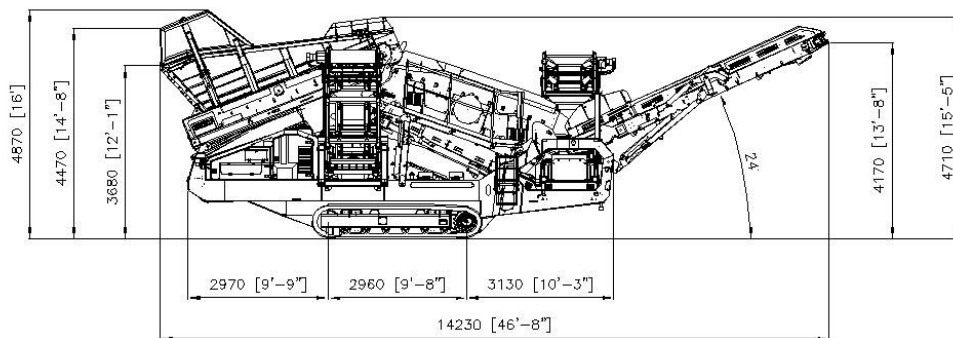
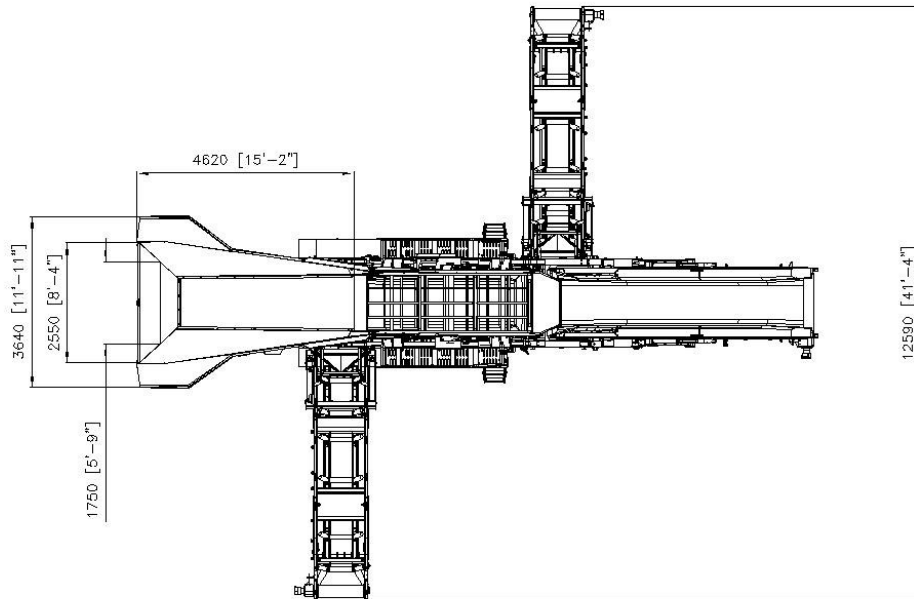
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Specification - Rev 5. 01/01/2017



**Figure 6: Warrior 1400X 2 Deck Track
300mm Chassis Riser
3 Way Split
Working Position**

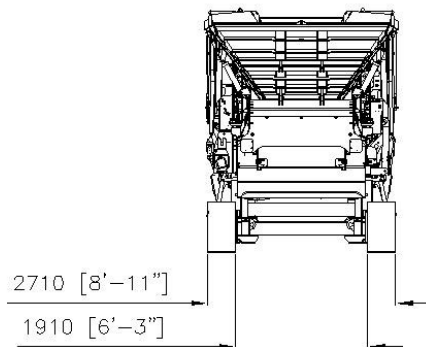
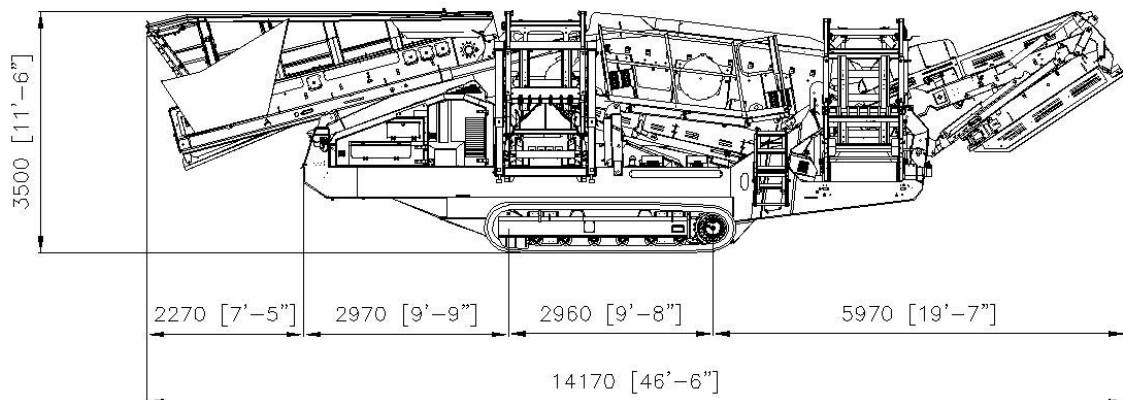
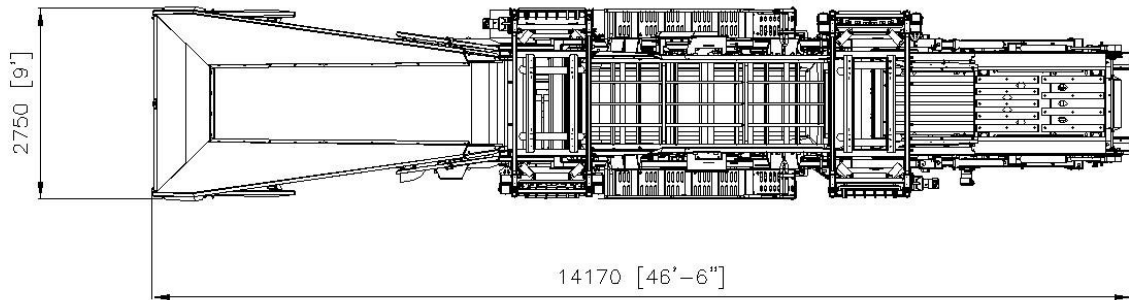
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**Figure 7: Warrior 1400X 2 Deck Track
300mm Chassis Riser
3 Way Split
Transport Position**

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Specification - Rev 5. 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.

Every endeavour will be made to supply equipment as specified, but we reserve the right, where necessary, to amend the specifications without prior notice as we operate a policy of continual product development. 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.

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