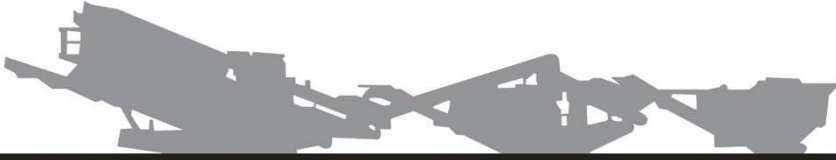


Powerscreen® Warrior 800

2 Deck Incline Screen

Specification- Rev 6. 01/01/2012





Specification

		Track
Total weight		16,700kg (36,817lbs)*
Transport	Length	9.22 (30' 3")
	Width	2.5m (8' 2")
	Height	3.09m (10' 1")
Working	Length	11.11m (36' 5")
	Width	14.09m (46' 3")
	Height	3.92m (12' 10")
Screenunit		2.77m x 1.22m (9' x 4')
Powerunit		Diesel / Hydraulic
Plant Colour		RAL 5021

Features & Benefits

- High capacity up to 250/280 tph (depending on mesh sizes & material type)
- Maximum feed size 400mm. Maximum allowable feed size may vary depending on material
- Powerunit featuring a transverse engine arrangement to aid access & serviceability
- Heavy duty single shaft incline screenbox with adjustable stroke & speed
- Maximum mobility with heavy duty, low ground pressure crawler tracks
- Removable heavy duty pendant remote control system
- Quick set up time
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler
- Hydraulic slide out facility on tail conveyor, maximum bottom deck access
- Versatile unit for three way splitting, stockpiling or scalping before or after a crusher
- Simple to operate & maintain
- Variable speed hopper featuring impact bars & rollers
- Wide range of screen media available

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= Auxiliary,
 Conv= Conveyor, 3WS= 3 way split, 2WS= 2 way split, *= depending on machine specification

Hopper

Target area: 3.54m (11' 7") long x 2.19m (7' 2") wide
Hopper capacity: 2.9m³ (3.8 cu. yd.)

Hopper capacity (2 extensions) 4.7m³ (6.15 cu. yd.)
Hopper extension adds: 0.32m (13")

Feed in height: 3.09m (10' 1") (track)

Rear wall collapsible for direct feeding



Heavy Duty Belt Feeder

1050mm (41") 4 ply plain belt
3.22m (10' 1") drum centres
350mm (14") drum diameter

Heavy duty impact bars & rollers supporting belt
Variable speed control



Screenbox

Heavy duty 2.77m x 1.22m (9' x 4') 2 deck screen
Highly aggressive screen drive
2 bearing shaft arrangement complete with direct drive system

Side tension top deck
End tension bottom deck

Variable speed & stroke (10mm - 12mm)
Fixed screen angle: 14°

Top deck media: bofor deck, fingers, punch plate and mesh

Bottom deck media: mesh, fingers, SCS ball deck
Rubber screen blanket (optional)



Underscreen Conveyor

1050mm (41") wide 3 ply plain belt
2.73m (8' 11") drum centres
216mm (9") diameter drive drum



Finesize - Side Conveyor

650mm (26") wide 3 ply plain belt
7.82m (25' 8") drum centres
216mm (9") diameter drive drum
3.82m (12' 7") stockpile height
83m³ (109 cu. yd.) stockpile volume
Variable speed control
Hydraulically folding
Impact rollers under feedboot
Fixed Angle: 25°



Midsize - Side Conveyor

650mm (26") wide 3 ply plain belt
7.82m (25' 8") drum centres
216mm (9") diameter drive drum
3.64m (11' 11") stockpile height
72m³ (94 cu. yd.) stockpile volume
Variable speed control
Hydraulically folding
Impact rollers under feedboot
Fixed Angle: 25°



Oversize - Tail Conveyor

1050mm (41' 4") wide 3 ply chevron belt
4.29m (14' 1") drum centres
216mm (9") diameter drive drum
3.03m (9' 11") stockpile height
41m³ (54 cu. yd.) stockpile volume
Variable speed control
Impact slips along full length of conveyor
Hydraulic combined slide out & fold mechanism
Fixed angle: 22°



Powerunit & Hydraulics

Engine:

DEUTZ TD 2011 L04I 4 cylinder diesel

Performance:

49.4 kW (66.2hp) @ 2300rpm

Tank Capacities:

Fuel: 145 L (132 US Gal)

Hydraulic oil: 500 L (38 US Gal)

Pumps:

Flywheel pump: Cast iron triple pump 27/27/27cc/rev

Motors:

Belt feeder: Cast iron 160cc/rev

Tail conveyor: Cast iron 400cc/rev

Fines conveyor: Cast iron 315cc/rev

Midsize side conveyor: Cast iron 400cc/rev

Oversize tail conveyor: Cast iron 500cc/rev

Underscreen conveyor: Cast iron 400cc/rev

Screen: Cast iron 58cc/rev



Crawler Track Data

Track width: 400mm

Gradability degrees: 38°

Hydraulic motor: 45cc/rev

Approximate speed: 0.7kph (0.43mph) (slow)
1.3kph (0.81mph) (fast)

Single speed version: 0.8kph (0.5mph)

Total flow per track: 60 Lpm



Powerscreen® Warrior 800 Options

Specification - Rev 6. 01/01/2012



Hopper Extensions

Available on track & mobile versions
2 of 3.9m x 0.36m full length extensions
Manual folding
Height increases by 320mm (13")
Hopper capacity: 4.7m³ (6.15 cu. yd.)



Maintenance Platforms

Galvanised maintenance platforms on both sides of screen
Handrail included



Other Options

Different coloured machine
Chevron side conveyor belts
Auto lubrication system
Radio controlled tracking
Quick release wedge screen tensioning
Super grip feeder drive drum
Dust suppression complete with conveyor covers

Powerscreen® Warrior 800

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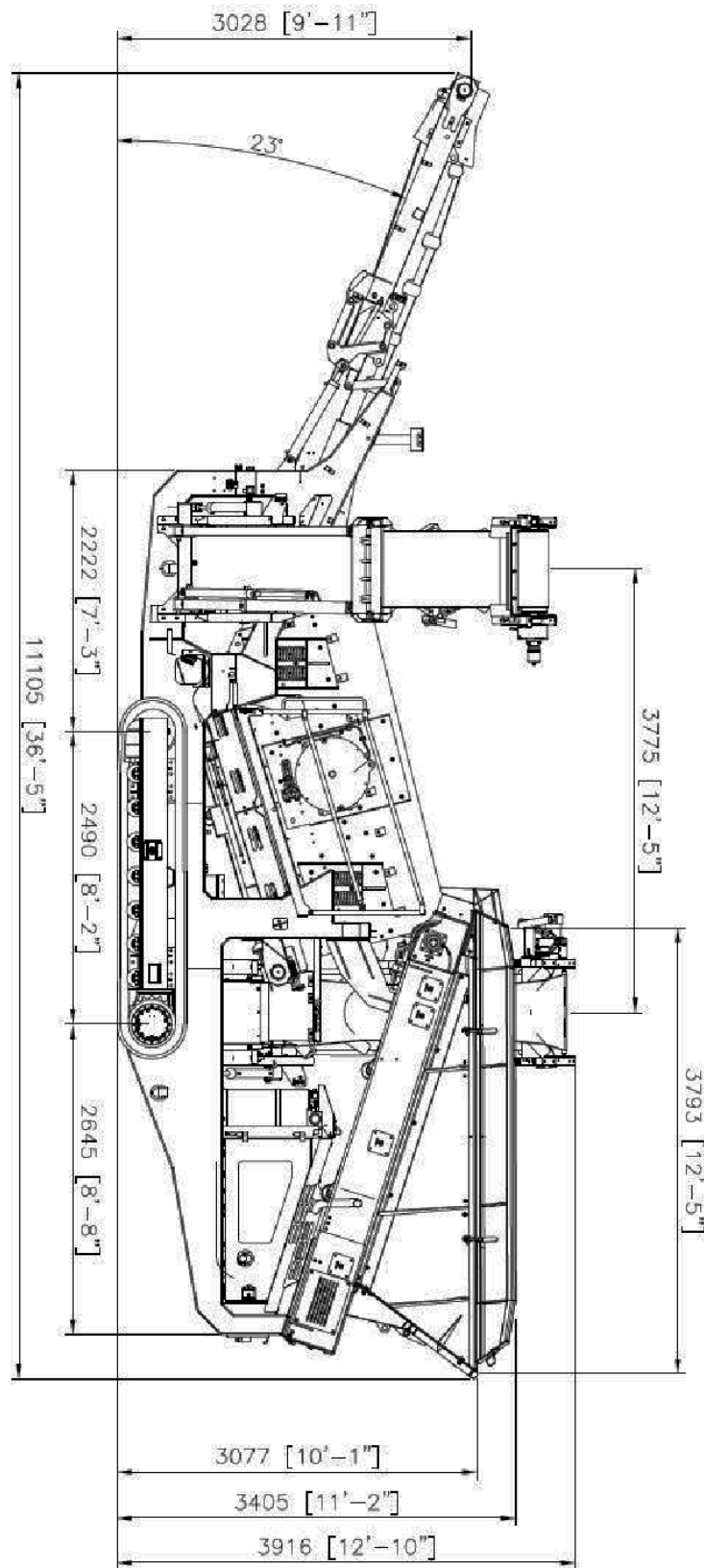


Figure 1: Warrior 800 2 Deck Track Working Position

All specifications subject to change without prior notice



Powerscreen® Warrior 800

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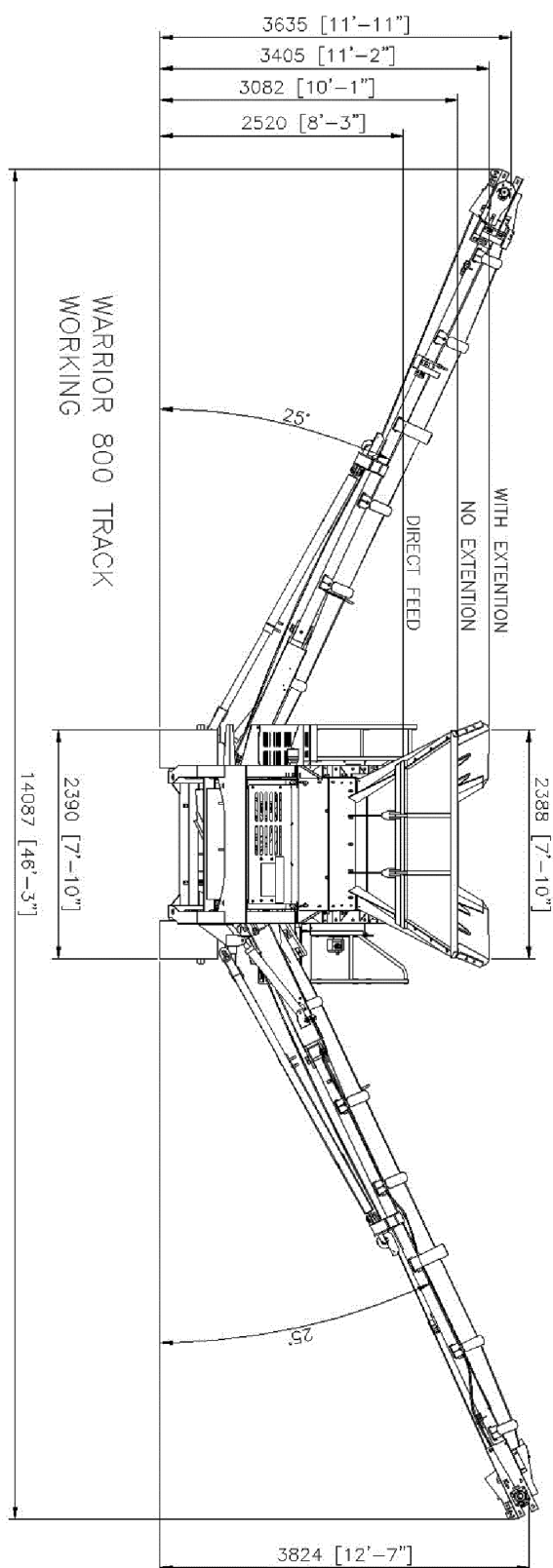


Figure 2: Warrior 800 2 Deck Track Working Position

All specifications subject to change without prior notice



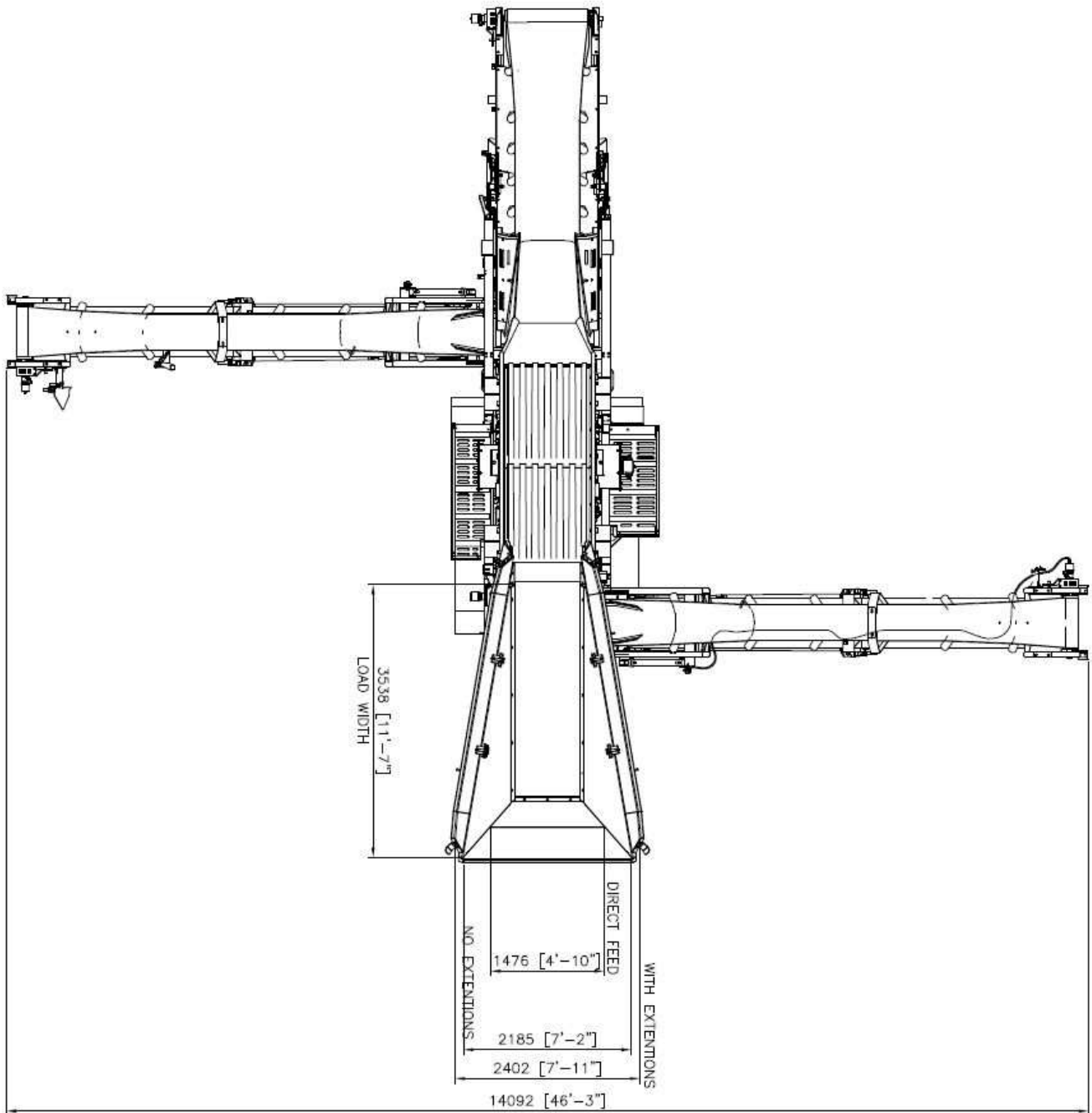


Figure 3: Warrior 800 2 Deck Track Working Position

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Powerscreen® Warrior 800

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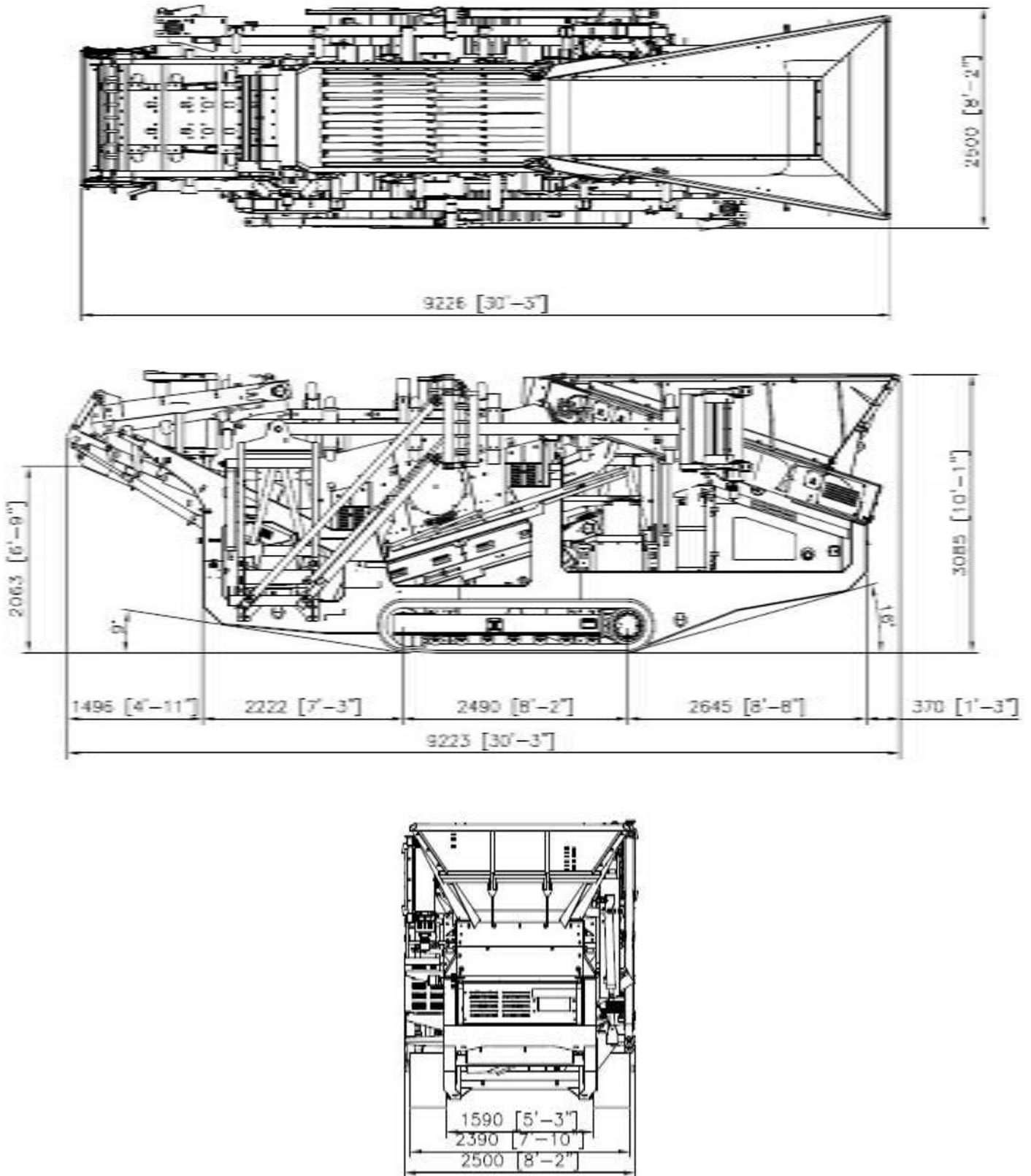


Figure 4: Warrior 800 2 Deck Track Transport Position

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Powerscreen® Warrior 800

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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

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