

Powerscreen® Warrior 600

2 Deck Incline Screen

Specification- Rev 3. 01/01/2017



POWERSCREEN
CELEBRATING 50 YEARS
OF POWER 2016



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Specification

		Track
Total weight		12,000kg (26,455lbs)*
Transport	Length	10.98 (36')
	Width	2.25m (7' 5")
	Height	2.55m (8' 4")
Working	Length	10.54m (34' 7")
	Width	10.42m (34' 2")
	Height	3.18m (10' 5")
Screenunit		2.34m x 1.17m (8' x 4')
Powerunit		Diesel / Hydraulic
Plant Colour		RAL 5021, 7024 & 9005

*Estimated Base Machine Weight

Features & Benefits

- High capacity up to 280 tph / 308 stph (depending on mesh sizes & material type)
- Maximum feed size 300mm. Maximum allowable feed size may vary depending on material
- Smart design minimises weight but retains strength and robustness
- Ultra low fuel consumption with optimised hydraulics
- Rapid conversion from 3 way split to 2 way split (fully hydraulic)
- Heavy duty single shaft incline screenbox with adjustable stroke
- Maximum mobility with heavy duty, low ground pressure crawler tracks
- Removable heavy duty pendant remote control system (Option)
- Quick set up time
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler
- Versatile unit for three way splitting, stockpiling or scalping before or after a crusher
- Simple to operate & maintain
- Variable speed hopper
- Wide range of screen media available
- Powerunit featuring a longitudinal engine arrangement to aid access & serviceability

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

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Hopper

Target area: 3.4m (11' 2") long x 1.86m (6' 1") wide
Hopper capacity: 3.0m³ (3.9 cu. yd.)

Feed in height: 3.18m (10' 5")

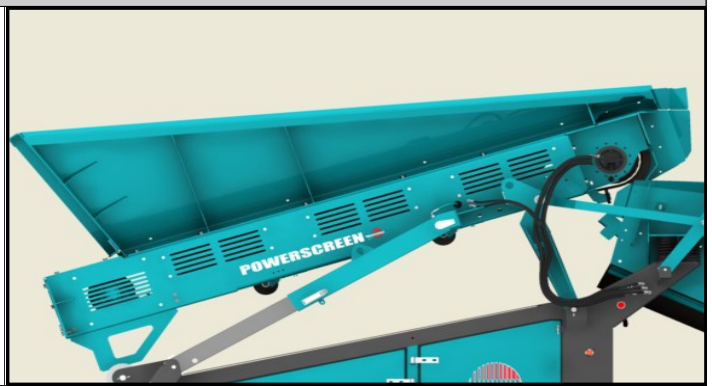
Fixed rear wall for direct feeding = 2.85m (9' 4")



Heavy Duty Belt Feeder

1000mm (39") 4 ply plain belt
3.07m (10' 1") drum centres
335mm (14") drum diameter

Variable speed control
Supergrip drive drum standard



Screenbox

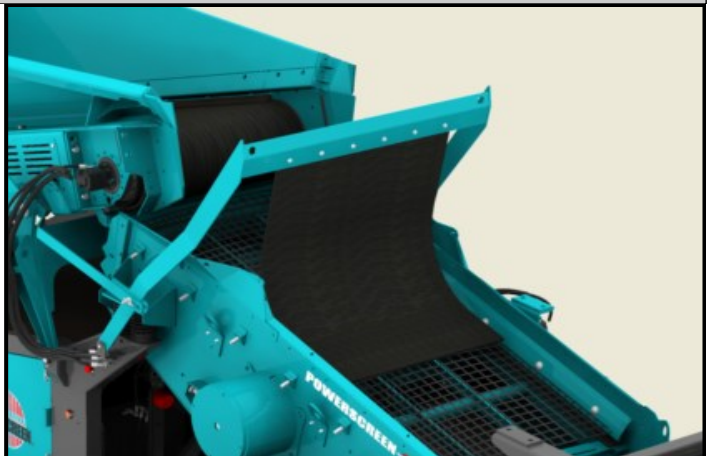
Heavy duty 2.34m x 1.17m (8' x 4') 2 deck screen
Highly aggressive screen drive
2 bearing shaft arrangement complete with direct drive system

Side tension top deck
End tension bottom deck

Variable stroke (9mm - 11mm)
Fixed screen angle: 14°

Top deck media: bofor deck, fingers, punch plate and mesh
Bottom deck media: mesh, fingers, Rubber screen blanket (optional)

*Rigid Chute attached to bottom of Screenbox. This allows material passing through the bottom deck to be transferred to the fines conveyor.



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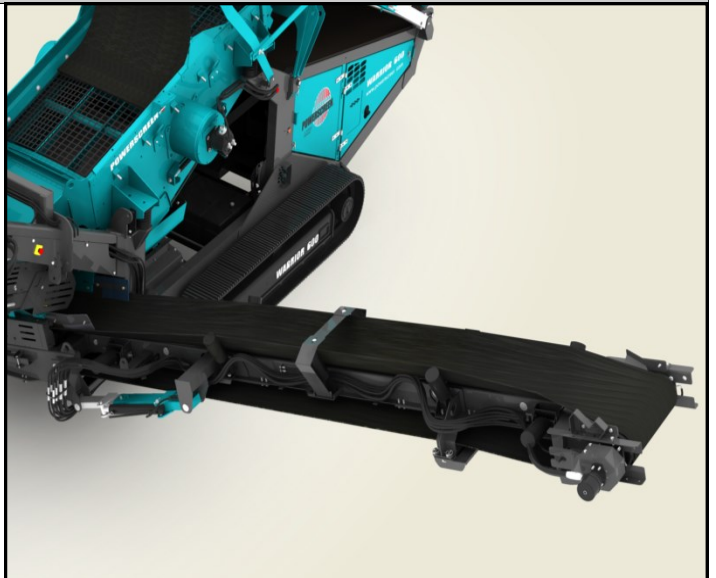
Finesize - Side Conveyor

650mm (26") wide 3 ply plain belt
5.9m (19' 4") drum centres
216mm (9") diameter drive drum
2.9m (9' 6") stockpile height
36m³ stockpile volume
Hydraulically folding
Variable Angle: 18-25°
Impact Rollers — Feedboot
Folding Feedboot



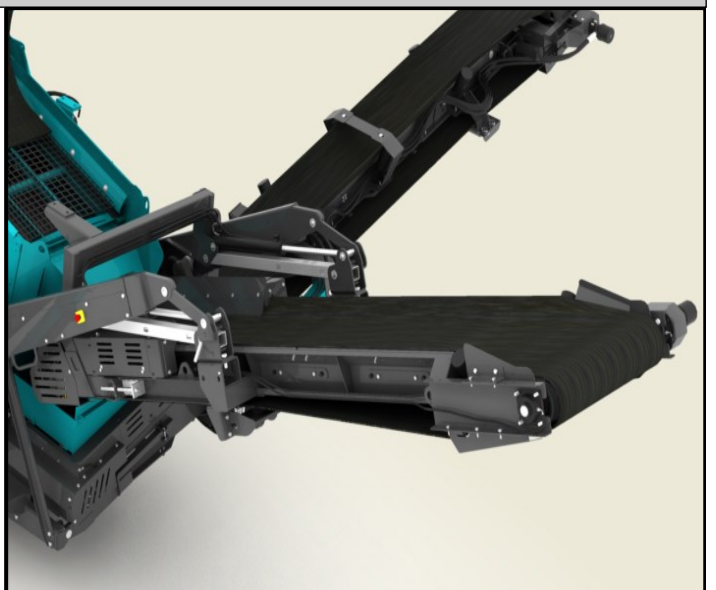
Midsize - Side Conveyor

650mm (26") wide 3 ply plain belt
5.9m (19' 4") drum centres
216mm (9") diameter drive drum
2.8m (9' 2") stockpile height
33m³ (94 cu. yd.) stockpile volume
Variable speed control
Hydraulically folding
Variable Angle: 18-25°



Oversize - Tail Conveyor

1000mm (39") wide 3 ply chevron belt
4.26m (14') drum centres
216mm (9") diameter drive drum
2.7m (8' 10") stockpile height
29.3m³ stockpile volume
Variable speed control
Impact slips along feedboot
Fixed angle: 20°
Hydraulic adjustment for 3WS to 2WS conversion



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Power unit & Hydraulics

Engine (Tier 3):

Deutz D2011 L04I - 4 cylinder diesel engine developing 36.4kW (48.8 hp) @ 2300 RPM. (Engines meets EU requirements of Directive 97/68/EC).

Engine (Stage IIIB/Tier 4F US Only):

Deutz TD2.9L4 – Tier 4 Final 4 cylinder diesel engine developing 42kW @ 1900 RPM)

Tank Capacities:

Fuel: 145 L (38 US Gal)

Hydraulic oil: 250 L (66 US Gal)

Pumps:

Flywheel pump (Tier 3): Tandem 27/27cc/rev

Flywheel pump (Tier 4F): Tandem 33/33cc/rev

Motors:

Belt feeder: Cast iron 125cc/rev

Tail conveyor: Cast iron 500cc/rev

Fines conveyor: Cast iron 400cc/rev

Midsize side conveyor: Cast iron 400cc/rev

Screen: Cast iron 56cc/rev

Crawler Track Data

Track width: 300mm

Approximate speed: 1.8kph (1.12mph) (slow)

3.3kph (2.05mph) (fast)

Single speed version: 1.8kph (1.12mph)

(Standard with flow regulated track solenoid for slower speed)

Dual Speed Option

Total flow per track: 60 Lpm



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Options

- Different coloured machine
- Chevron side conveyor belts
- Auto lubrication system
- Radio controlled tracking
- Quick release wedge screen tensioning
- Wide Range of screen media
- Screen Blanket Option

Screen Blanket

Screen Blanket available to slow material down and also aid sticky material to pass through the screen deck



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® PULSE



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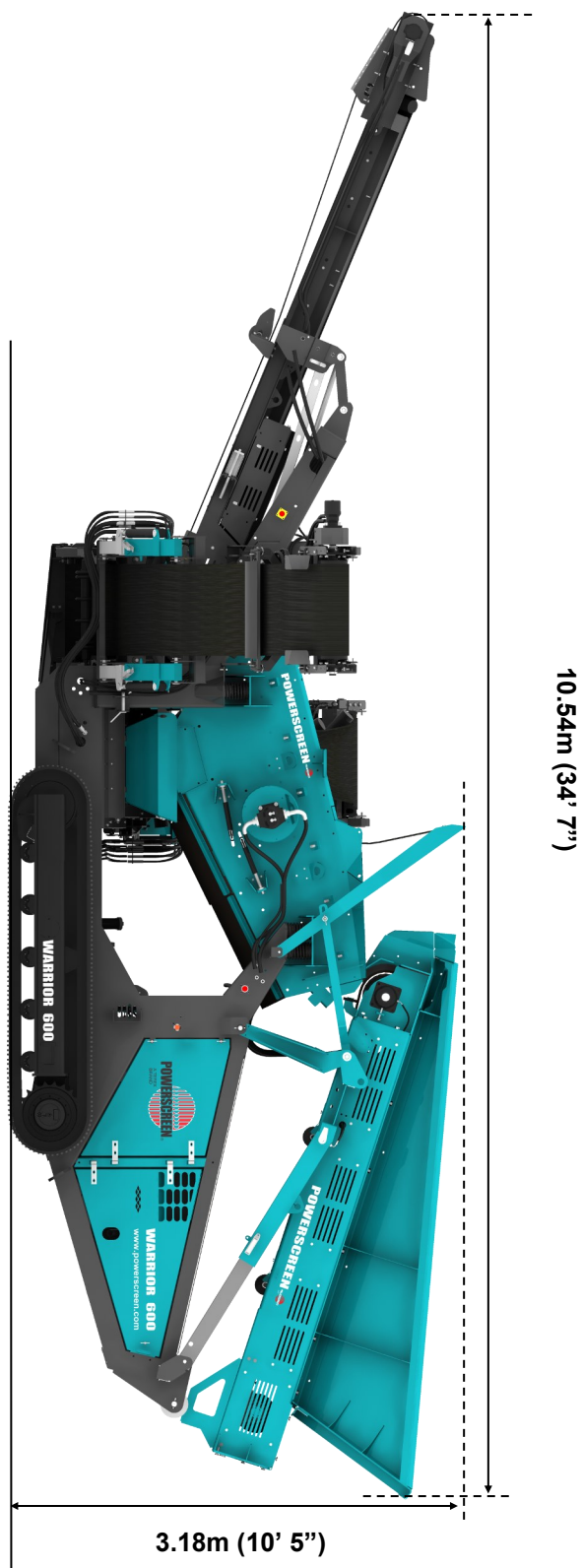


Figure 1: Warrior 600 2 Deck Track Working Position

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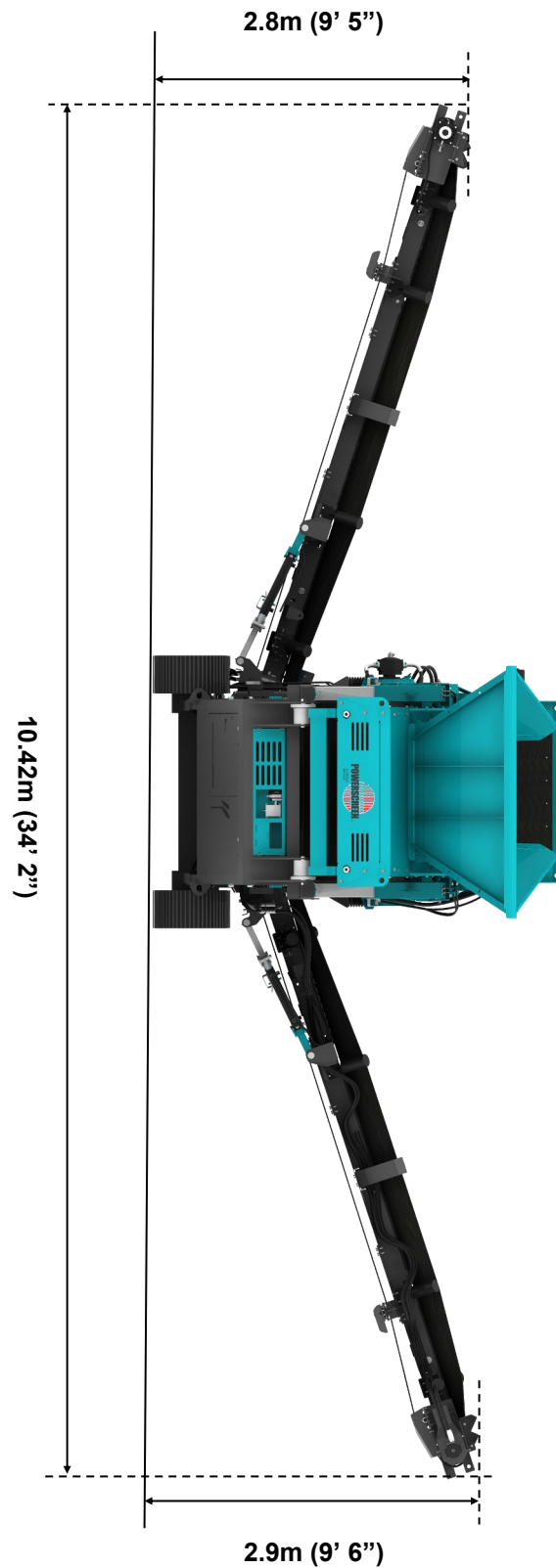


Figure 2: Warrior 600 2 Deck Track Working Position

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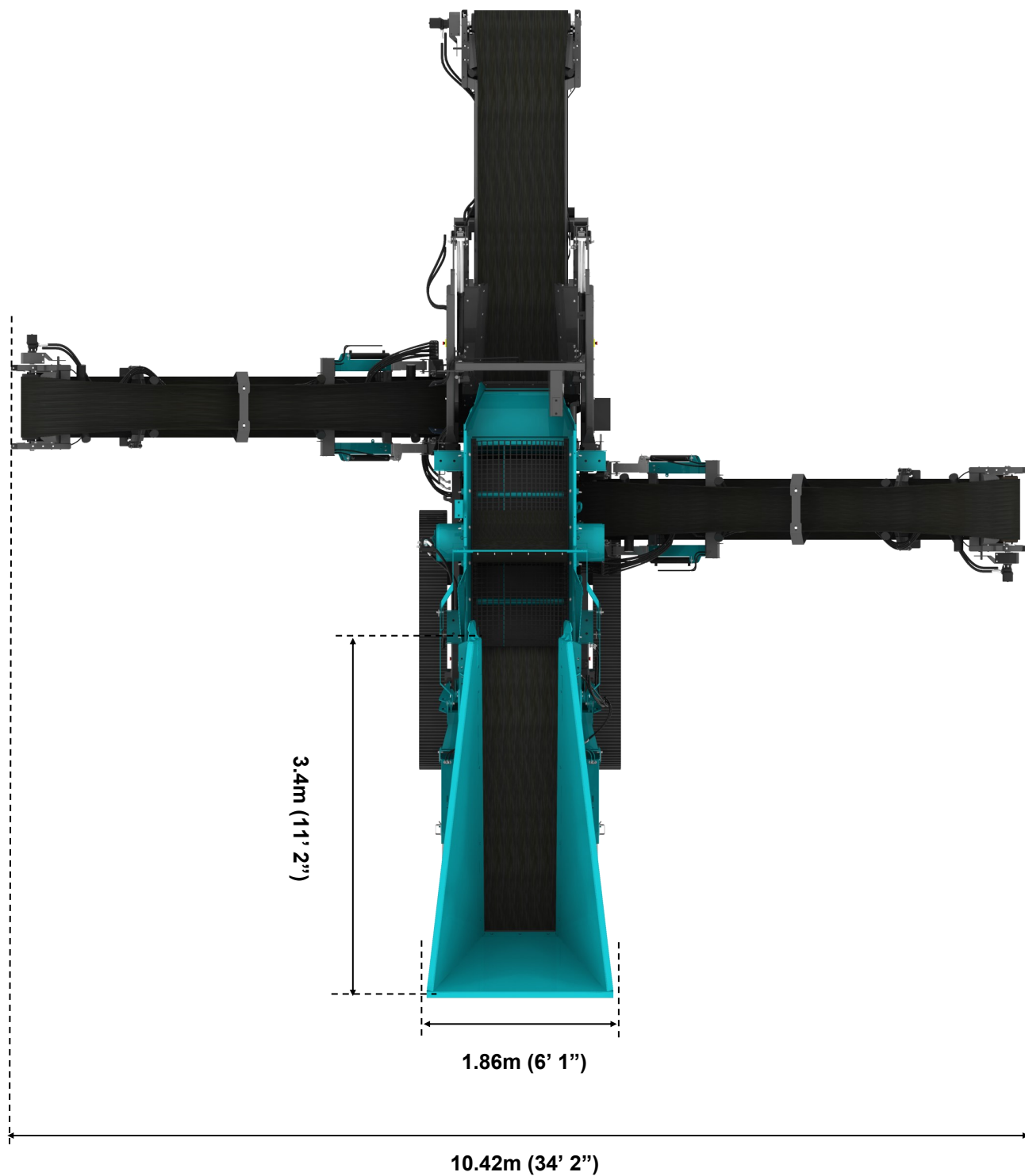


Figure 3: Warrior 600 2 Deck Track Working Position

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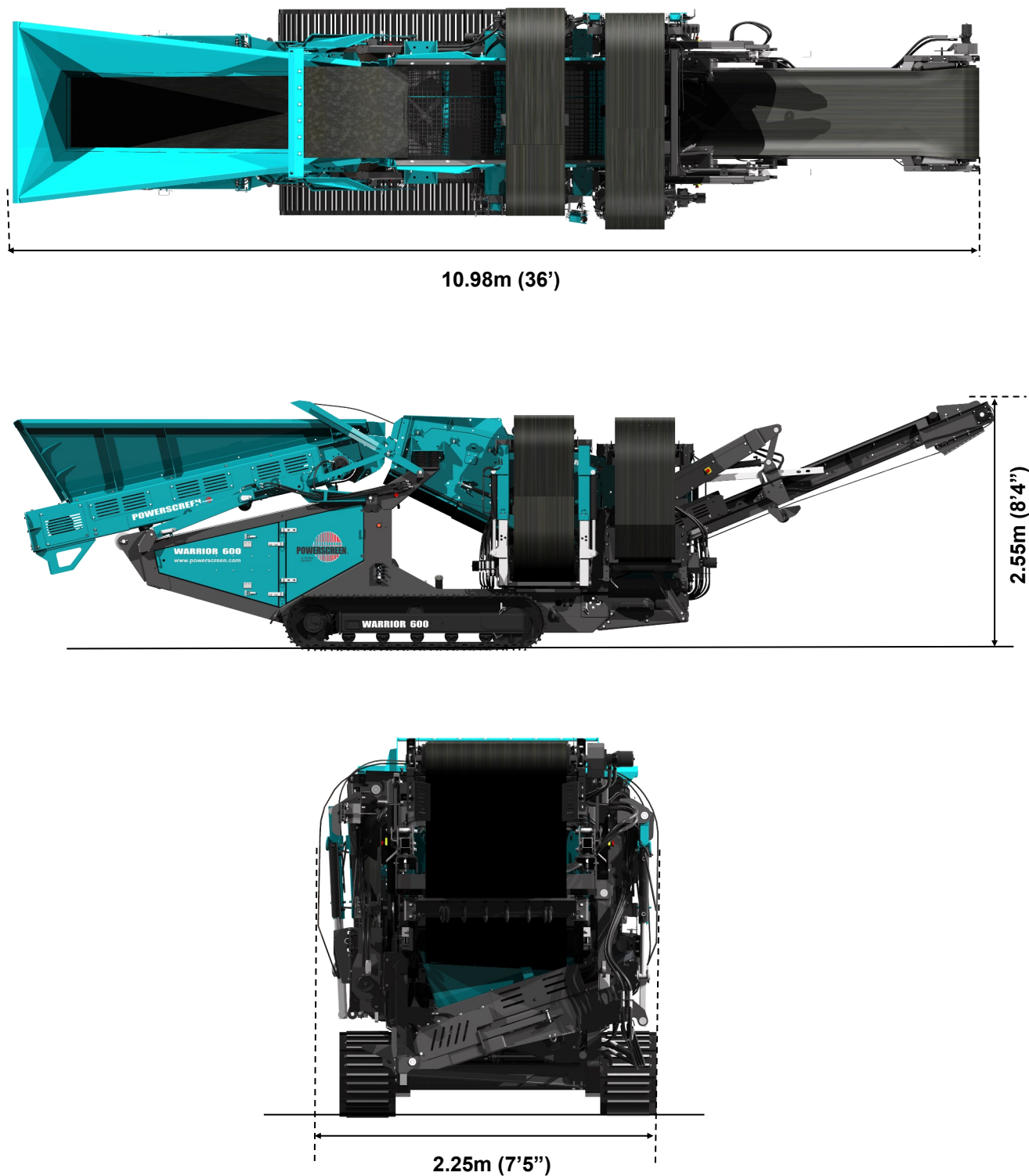


Figure 4: Warrior 600 2 Deck Track
Transport Position

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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.

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