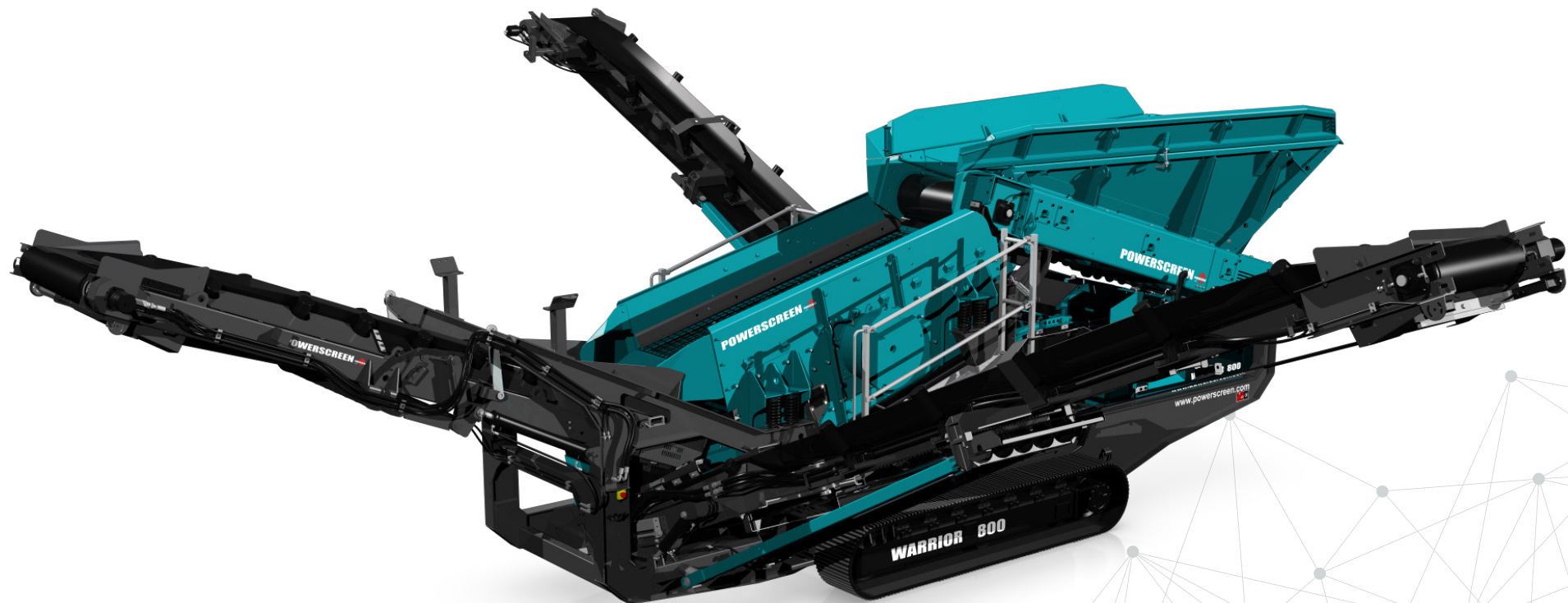


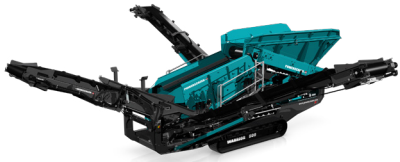
# POWERSCREEN® WARRIOR 800

2 DECK INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 13. 01/01/2019





## WARRIOR 800



# OVERVIEW

## SPECIFICATION

<b>Total weight</b>	16,700kg (36,817lbs)
<b>Transport</b>	<b>Length</b> 9.23m (30' 3")
	<b>Width</b> 2.5m (8' 2")
	<b>Height</b> 3.09m (10' 1")
<b>Working</b>	<b>Length</b> 11.11m (36' 5")
	<b>Width</b> 14.09m (46' 3")
	<b>Height</b> 3.92m (12' 10")
<b>Screenbox</b>	2.77m x 1.22m (9' 1" x 4')
<b>Power Unit</b>	Diesel / Hydraulic
<b>Plant Colour</b>	RAL 5021, RAL 7024 & RAL 9005

(Weight & dimensions are approximate base unit values)

## FEATURES & BENEFITS

- High capacity up to 280 tph / 308 US tph (depending on media sizes & material type)
- Maximum feed size 400mm (1' 4"). Maximum allowable feed size may vary depending on material type and screenbox media
- Power unit 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 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 3 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

## 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



## WARRIOR 800



# HOPPER

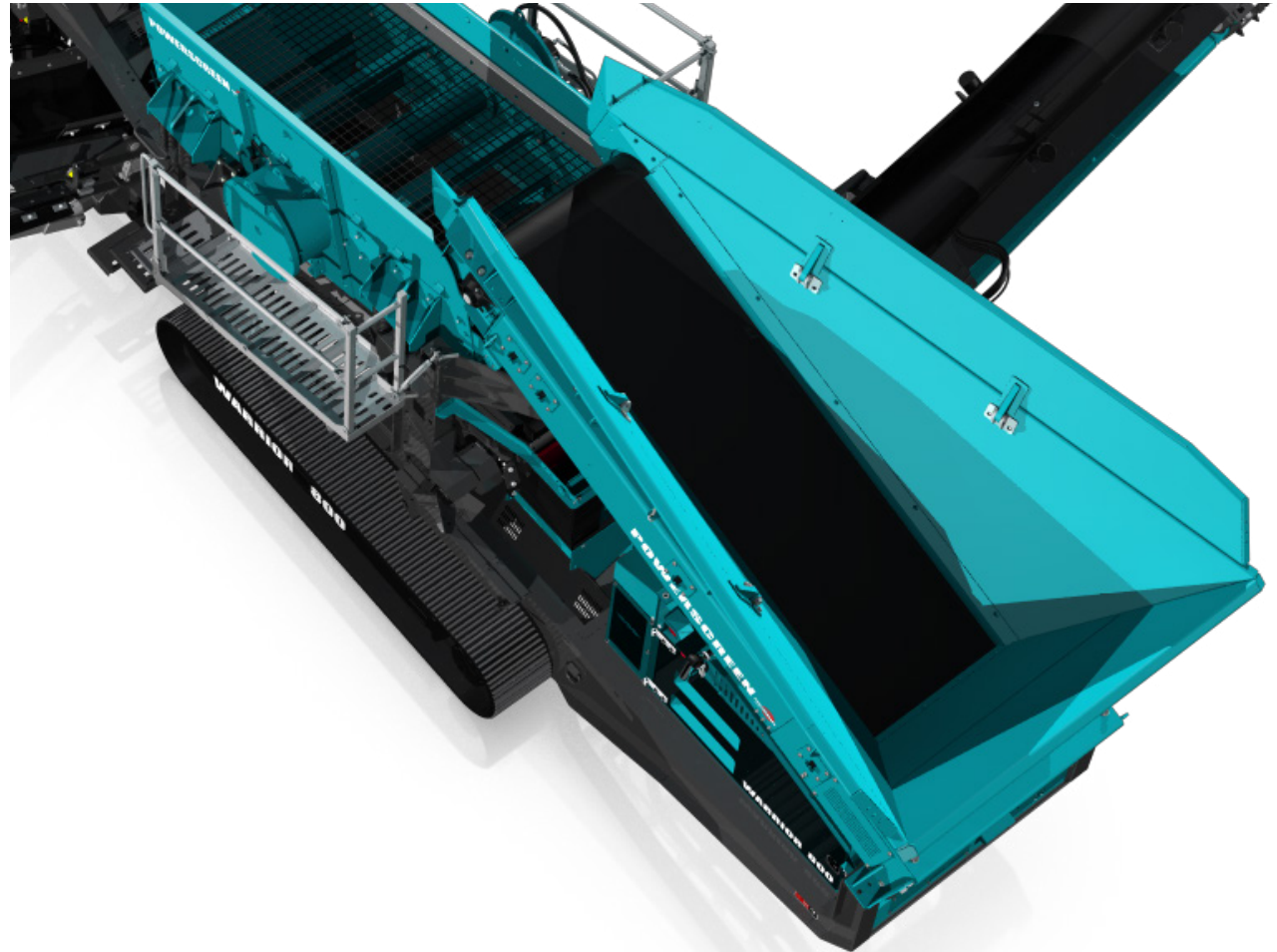
Target area: 3.54m (11' 7") long x 2.19m (7' 2") wide  
Hopper capacity: 2.9m<sup>3</sup> (3.8 cu. yd.)

Hopper capacity (2 extensions) 4.7m<sup>3</sup> (6.15 cu. yd.)

Feed in height (side) : 3.08m (10' 1")

Feed in height (side with extensions) : 3.41m (11' 2")

Rear wall collapsible for direct feed - feed in height : 2.53m (8' 3")





## WARRIOR 800



# ↓ SCREENBOX

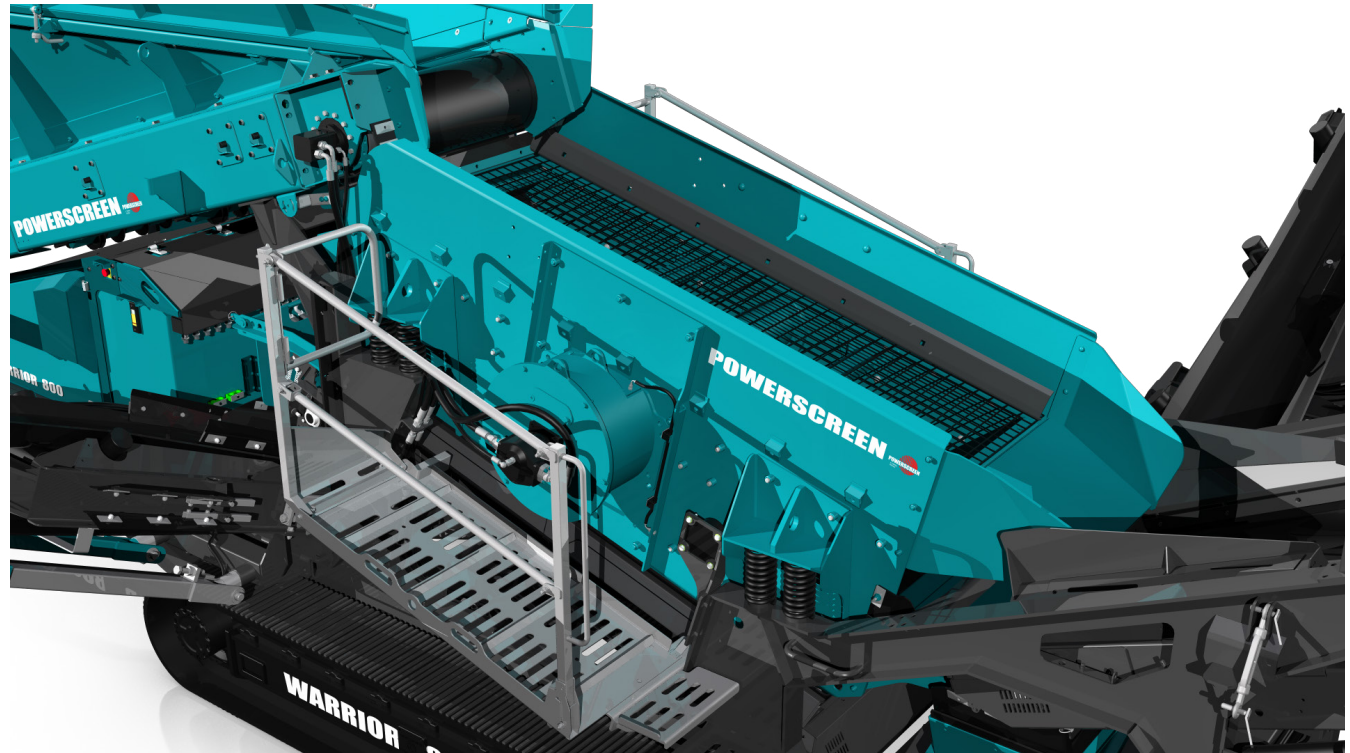
Heavy duty 2.77m x 1.22m (9' 1" x 4') 2 deck screen  
Highly aggressive screen drive  
2 bearing shaft arrangement complete with direct drive system

Top deck: 2.77m x 1.22m (9' 1" x 4')  
Bottom deck: 2.68m x 1.22m (8' 10" x 4')

Side tension top deck  
End tension bottom deck

Screen stroke as standard : 10mm  
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 (option)





## WARRIOR 800



# ↓ CONVEYORS

### HEAVY DUTY BELT FEEDER

1050mm (3' 5") 4 ply plain belt

3.23m (10' 7") drum centres

335mm (13.2") drum diameter (drive)

270mm (10.6") drum diameter (tail)

Heavy duty impact bars & rollers supporting belt

Variable speed control

Supergrip drive drum standard





## WARRIOR 800



# ↓ CONVEYORS

### OVERSIZE - TAIL CONVEYOR

1050mm (3' 5") wide 3 ply chevron belt

4.3m (14' 1") drum centres

216mm (8.5") drum diameter (drive)

200mm (7.9") drum diameter (tail)

3.03m (9' 11") stockpile height

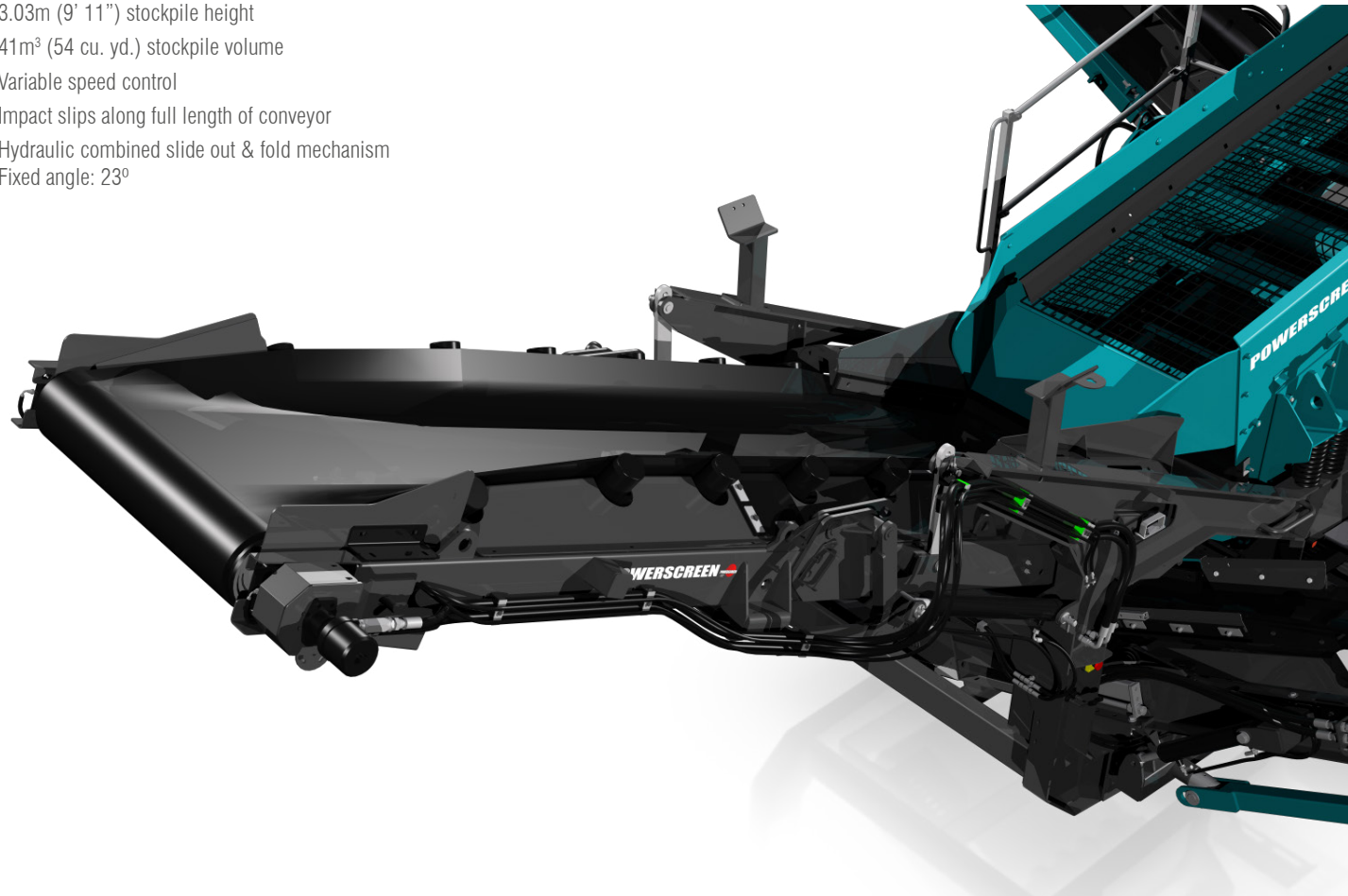
41m<sup>3</sup> (54 cu. yd.) stockpile volume

Variable speed control

Impact slips along full length of conveyor

Hydraulic combined slide out & fold mechanism

Fixed angle: 23°





## WARRIOR 800



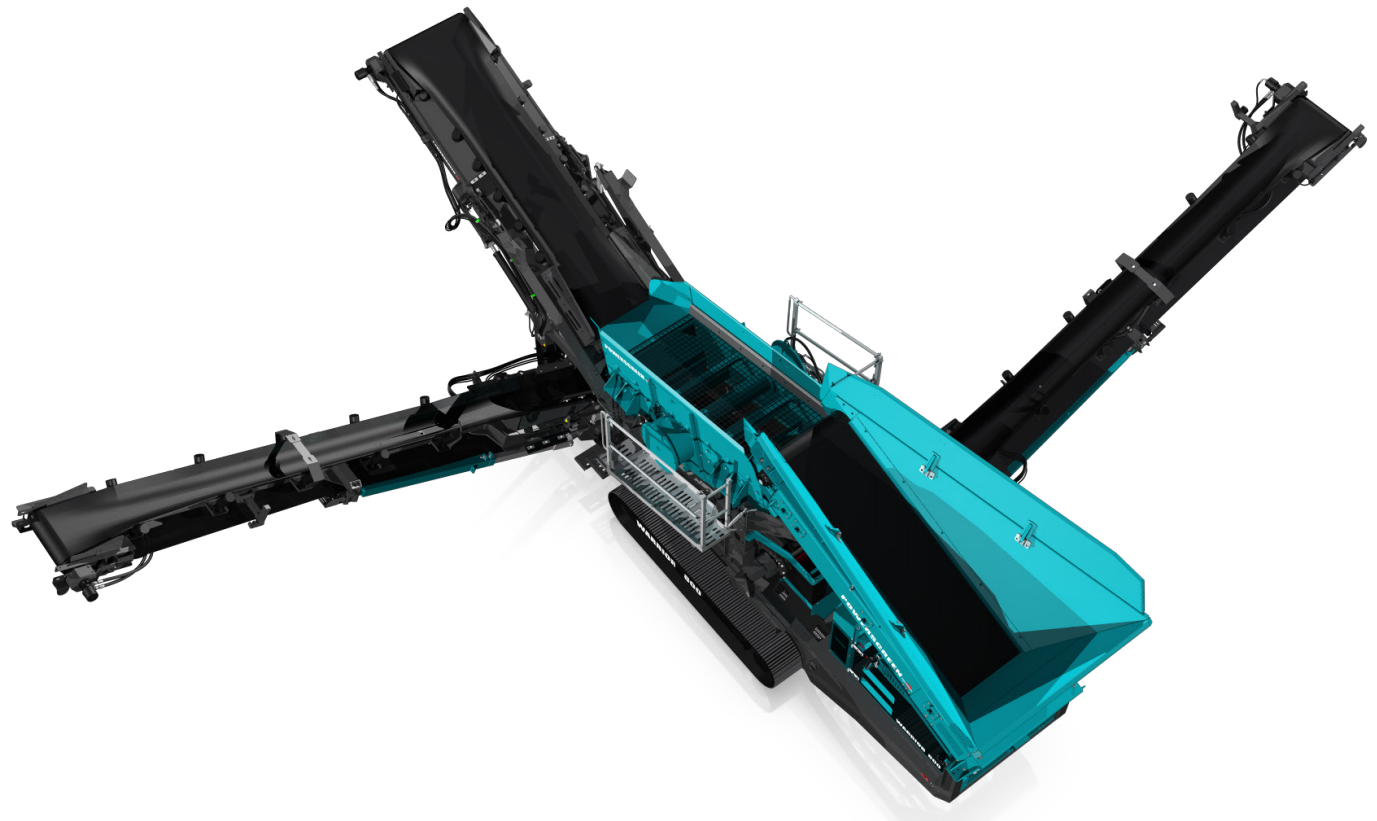
# ↓ CONVEYORS

### FINESIZE - SIDE CONVEYOR

650mm (2' 2") wide 3 ply plain belt  
7.84m (25' 9") drum centres  
216mm (8.5") drum diameter (drive)  
200mm (7.9") drum diameter (tail)  
3.82m (12' 7") stockpile height  
83m<sup>3</sup> (108 cu. yd.) stockpile volume  
Variable speed control  
Hydraulically folding  
Fixed Angle: 25°

### MIDSIZE - SIDE CONVEYOR

650mm (2' 2") wide 3 ply plain belt  
7.84m (25' 9") drum centres  
216mm (8.5") drum diameter (drive)  
200mm (7.9") drum diameter (tail)  
3.64m (11' 11") stockpile height  
72m<sup>3</sup> (94 cu. yd.) stockpile volume  
Variable speed control  
Hydraulically folding  
Fixed Angle: 25°





## WARRIOR 800

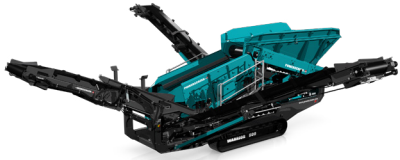


# CONVEYORS

### UNDERSCREEN CONVEYOR

- 1050mm (3' 5") wide 3 ply plain belt
- 2.73m (8' 11") drum centres
- 216mm (8.5") drum diameter (drive)
- 200mm (7.9") drum diameter (tail)
- SCS "tear-drop" style scraper fitted as standard





## WARRIOR 800



# ↓ POWER UNIT & HYDRAULICS

**Engine Tier 3 Equivalent:**

DEUTZ TD 2011 L04I 4 cylinder diesel

**Performance:**

49.4 kW (66.2hp) @ 2300rpm

**Engine Tier 4F / Stage IIIB:**

CATERPILLAR C3.4

**Performance:**

55 kW (74hp) @ 2300rpm

**Tank Capacities:**

Fuel: 145 L (38 US Gal)

Hydraulic oil: 500 L (132 US Gal)

**Pumps:**

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

**Motors:**

Belt feeder: Cast iron 160cc/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 56cc/rev





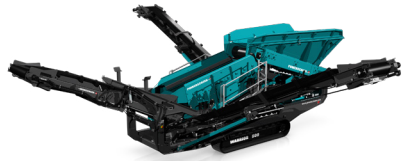
## WARRIOR 800



# ↓ TRACKS

Track width:	400mm (1' 4")
Sprocket centres:	2490mm (8' 2")
Approximate speed:	0.7kph (0.43mph) (slow) 1.3kph (0.81mph) (fast)
Single speed version:	0.8kph (0.5mph)
Total flow per track:	60.9 Lpm





## WARRIOR 800



## OPTIONS



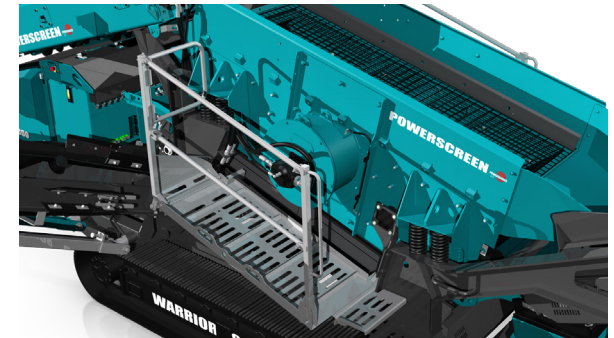
### HOPPER EXTENSIONS

2 of 3.9m x 0.36m (12' 10" x 1' 2") full length extensions.

Manual folding.

Feed in height increases by 330mm (13")

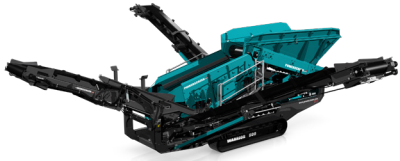
Hopper capacity: 4.7m<sup>3</sup> (6.15 cu. yd.)



### MAINTENANCE PLATFORMS

Galvanised maintenance platforms on both sides of the screenbox.

Handrail included.



## WARRIOR 800



# OPTIONS

### OTHER OPTIONS

- Custom colour machine
- Chevron side conveyor belts
- Auto lubrication system
- Radio controlled tracking
- Quick release wedge screen tensioning (side tensioned only)
- Wide range of screen media
- Hopper extensions
- Screen blanket
- Galvanised walkways
- Dust suppression complete with conveyor covers
- Powerscreen Pulse



## WARRIOR 800



# ↓ POWERSCREEN PULSE

## RECORD, DISPLAY AND ANALYSE DATA:

HIGH EFFICIENCY THROUGH PRECISE INFORMATION

Available online anywhere and at any time: comprehensive information on the GPS location, start and stop times, fuel consumption, tonnages, cone settings, wear ratings, operating hours, maintenance status, and much more.



**AVAILABLE ANYWHERE AND AT ANY TIME**



**DASHBOARD DISPLAY**



**FLEET OVERVIEW**



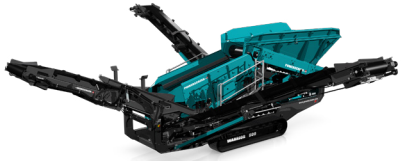
**WEEKLY REPORT DIRECT TO YOUR INBOX**



**GPS: MACHINE TRACKING**



**REPORTING UTILISATION, PERFORMANCE & PART SPECIFIC**

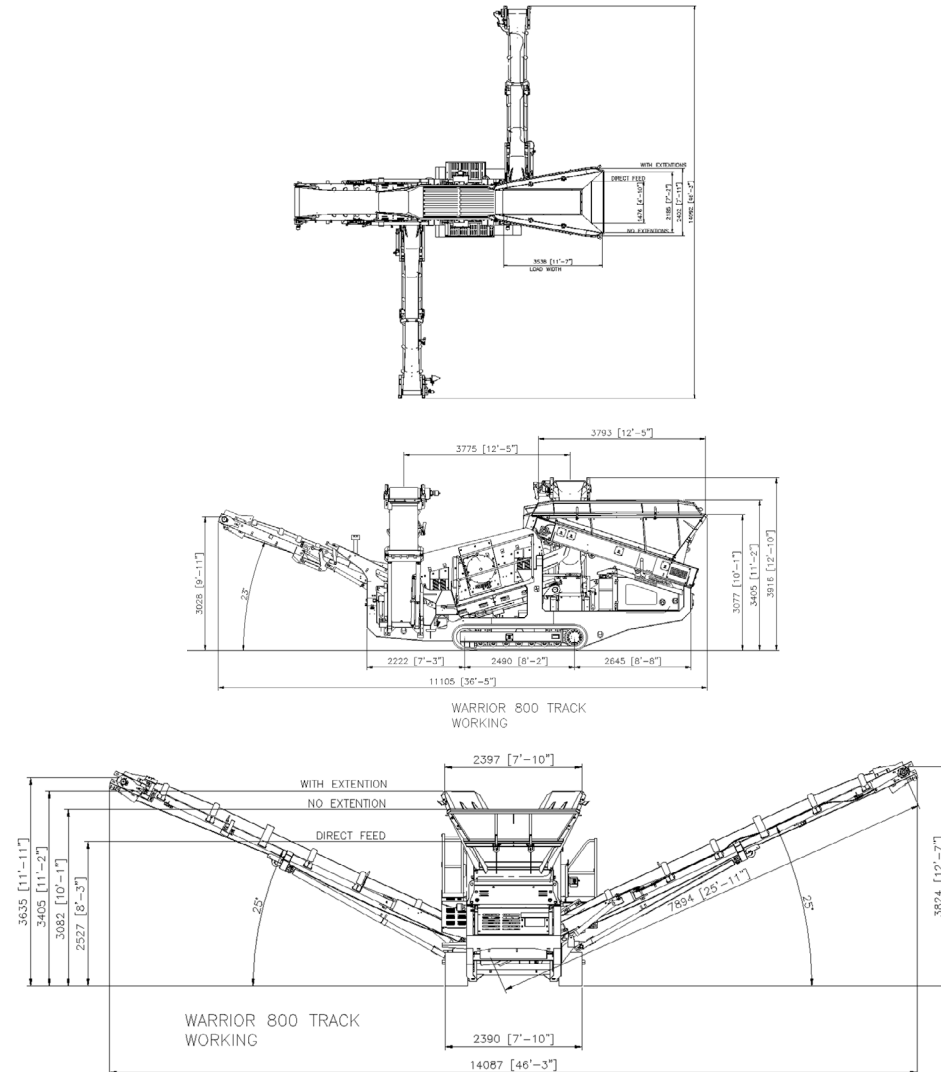


## WARRIOR 800



# ↓ DIMENSIONS

Figure 1: Warrior 800  
Working Position



[MORE DIMENSIONS OVERLEAF](#)

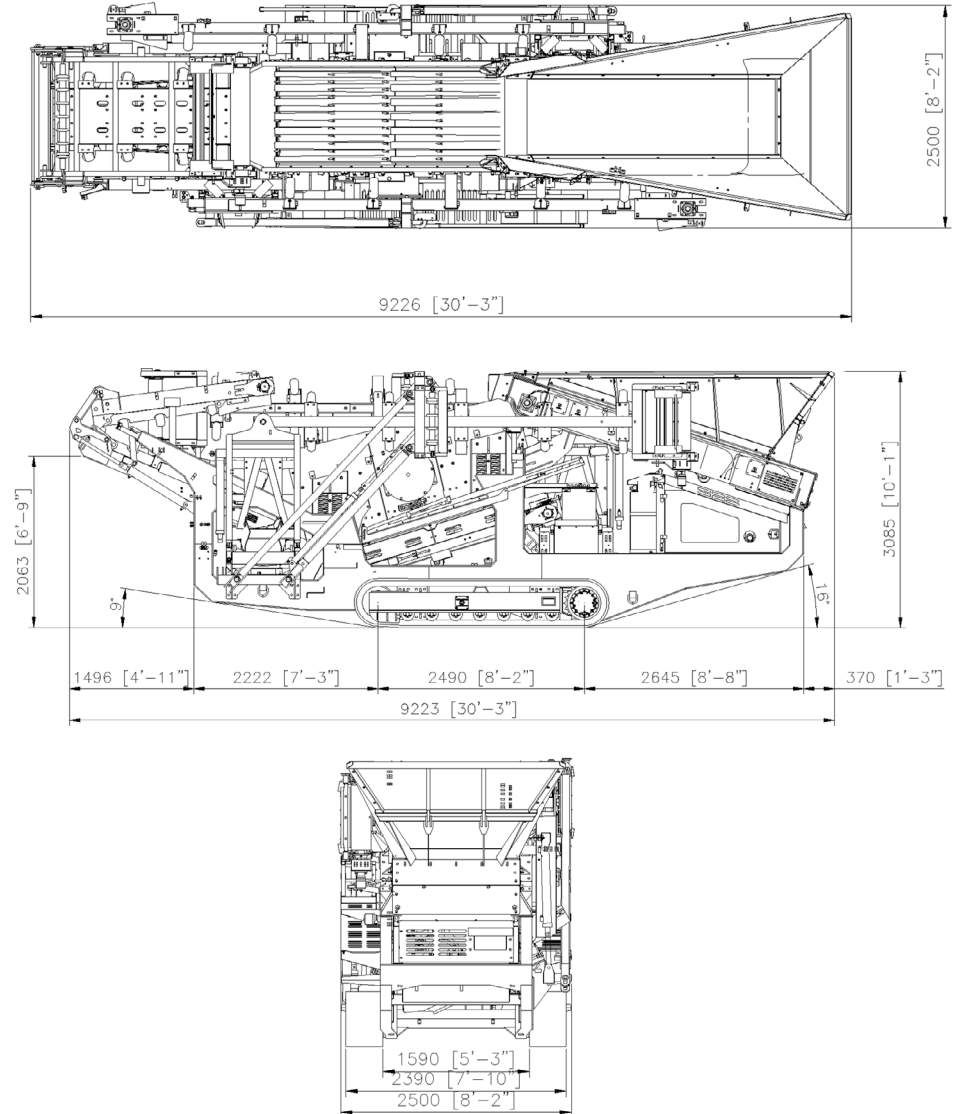


## WARRIOR 800



# ↓ DIMENSIONS

Figure 2: Warrior 800  
Transport Position





### **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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