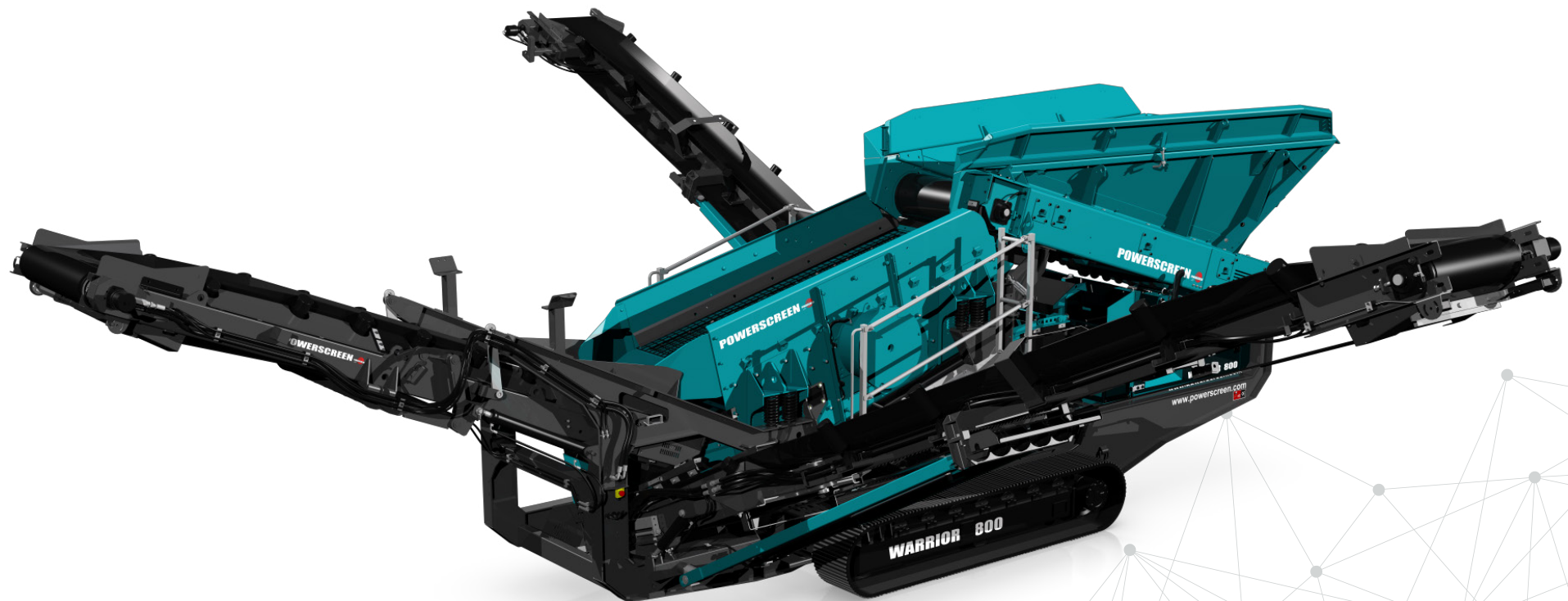


POWERSCREEN® WARRIOR 800

2 DECK INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 13. 01/01/2019





WARRIOR 800



OVERVIEW

SPECIFICATION

Total weight	16,700kg (36,817lbs)
Transport	Length 9.23m (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")
Screenbox	2.77m x 1.22m (9' 1" x 4')
Power Unit	Diesel / Hydraulic
Plant Colour	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

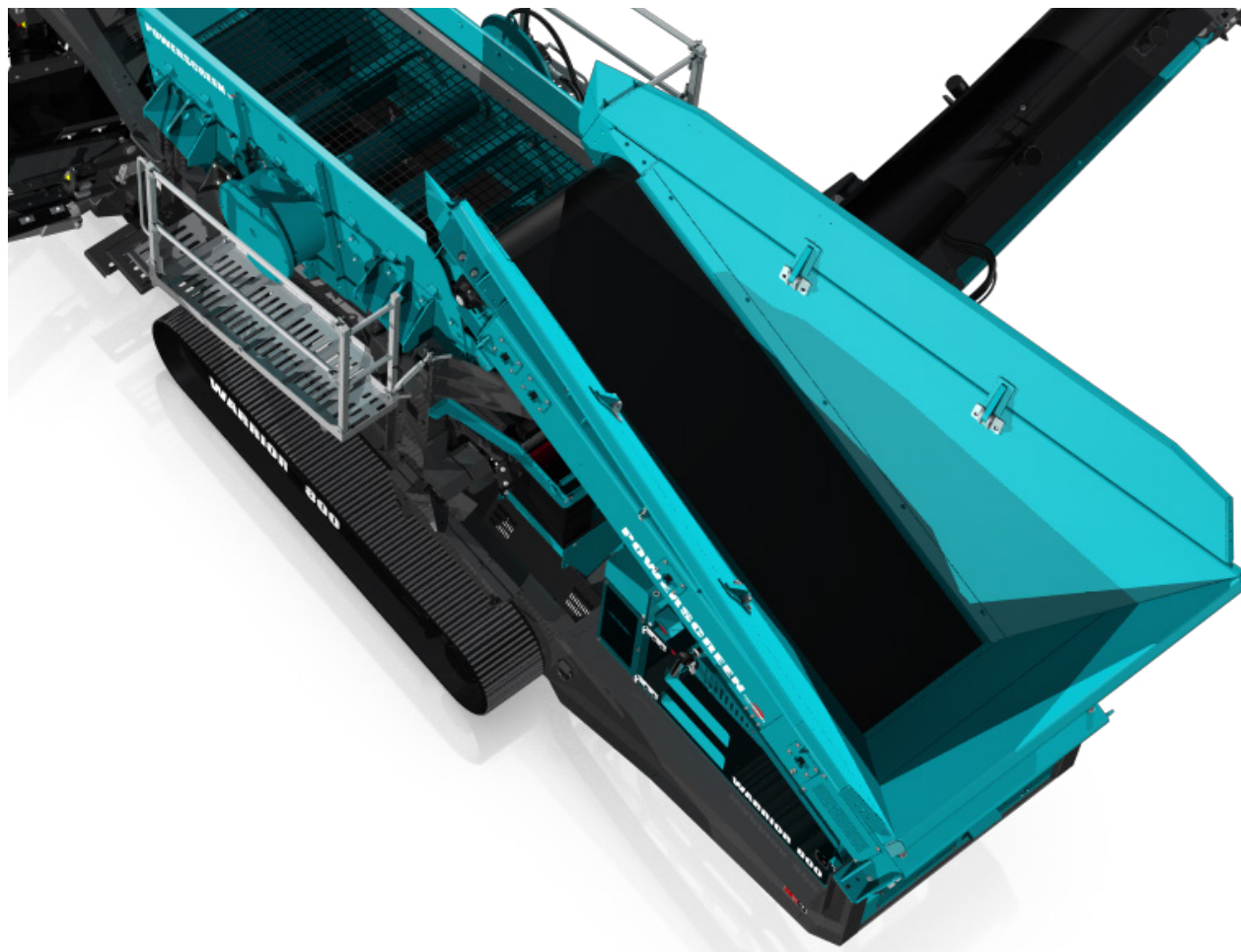
Hopper capacity: 2.9m³ (3.8 cu. yd.)

Hopper capacity (2 extensions) 4.7m³ (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

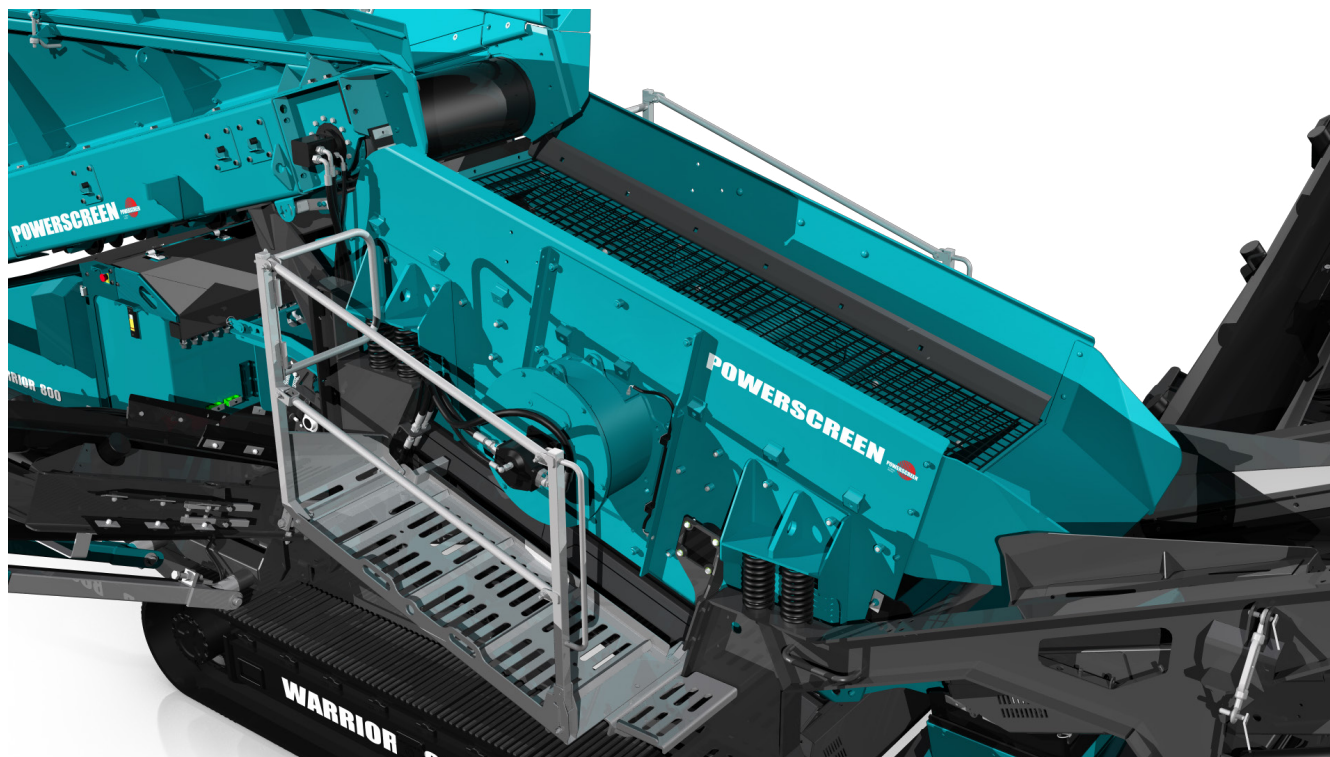
Screen stroke as standard : 10mm

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

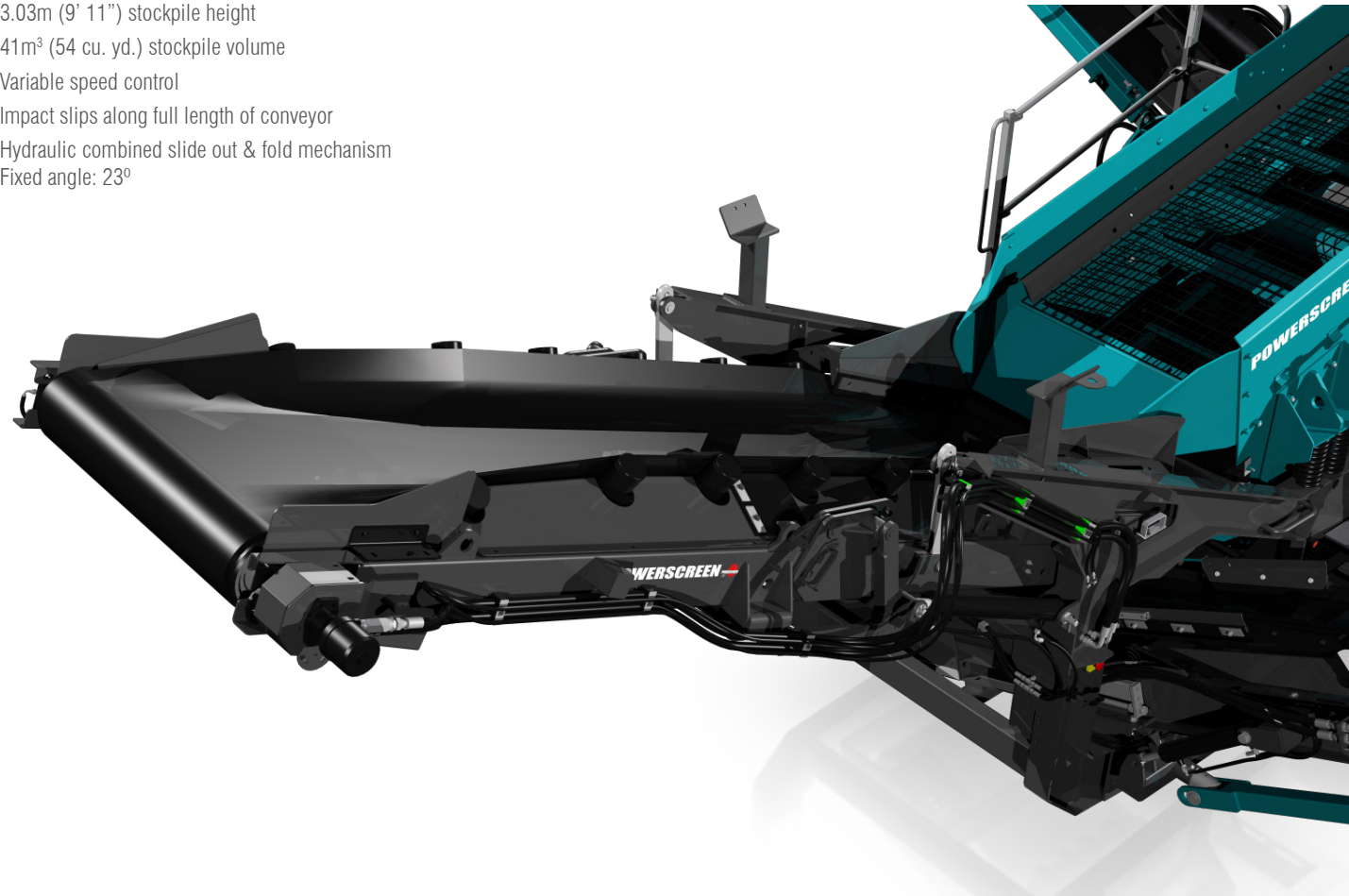
41m³ (54 cu. yd.) stockpile volume

Variable speed control

Impact slips along full length of conveyor

Hydraulic combined slide out & fold mechanism

Fixed angle: 23°





WARRIOR 800



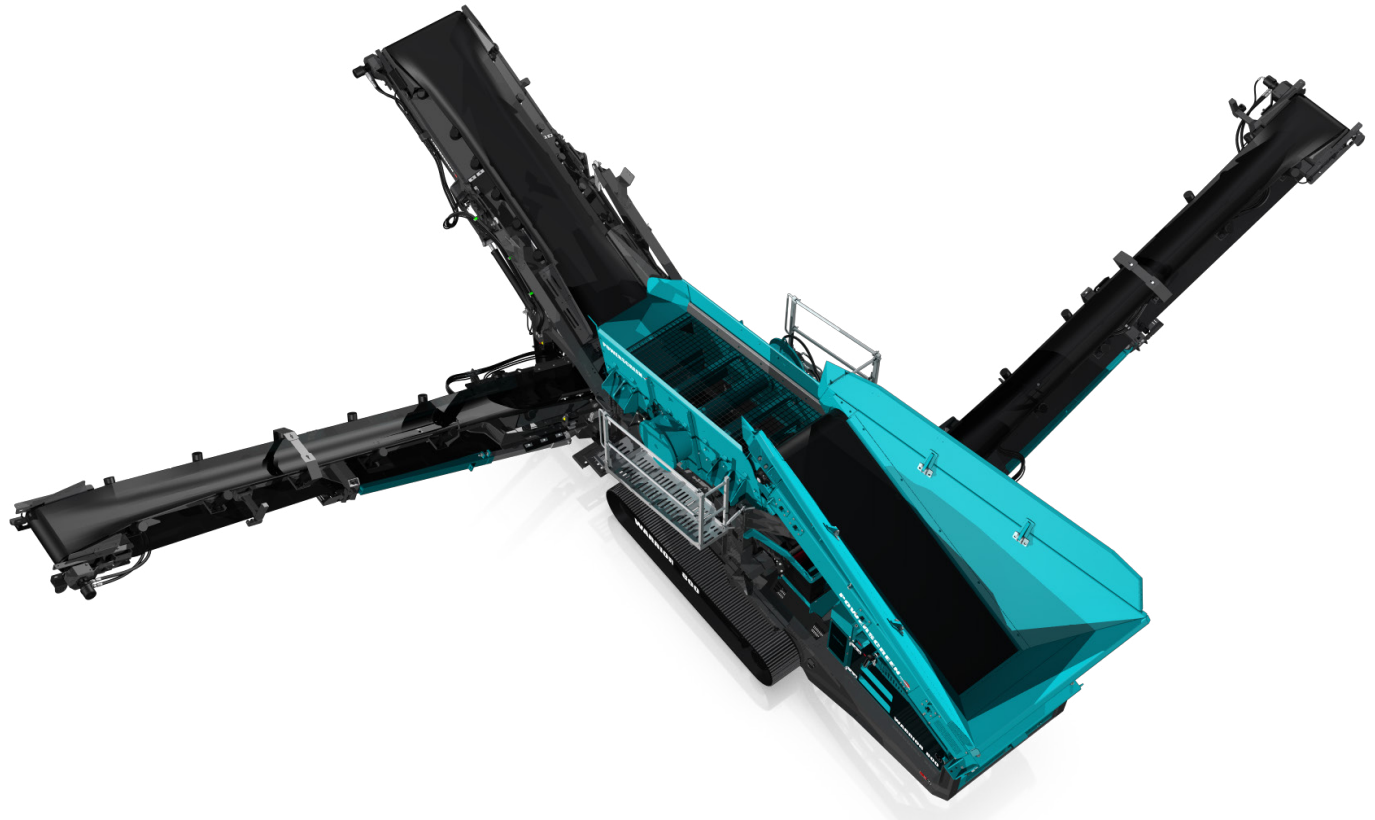
CONVEYORS

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
83m³ (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
72m³ (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

Midsized 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



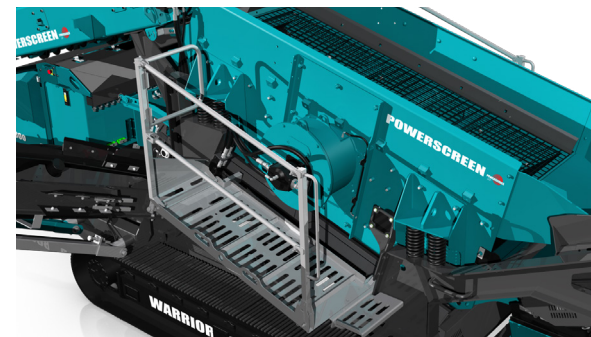
HOPPER EXTENSIONS

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: 4.7m³ (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

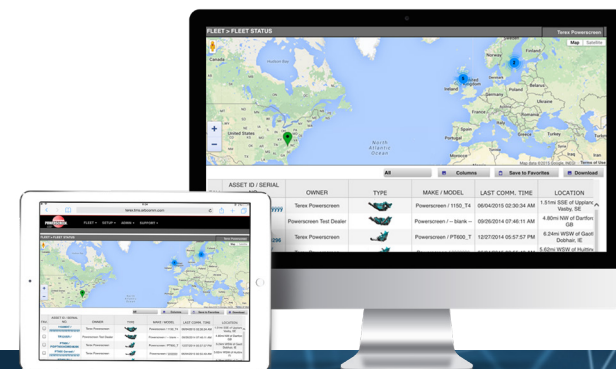


POWERSCREEN PULSE

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**

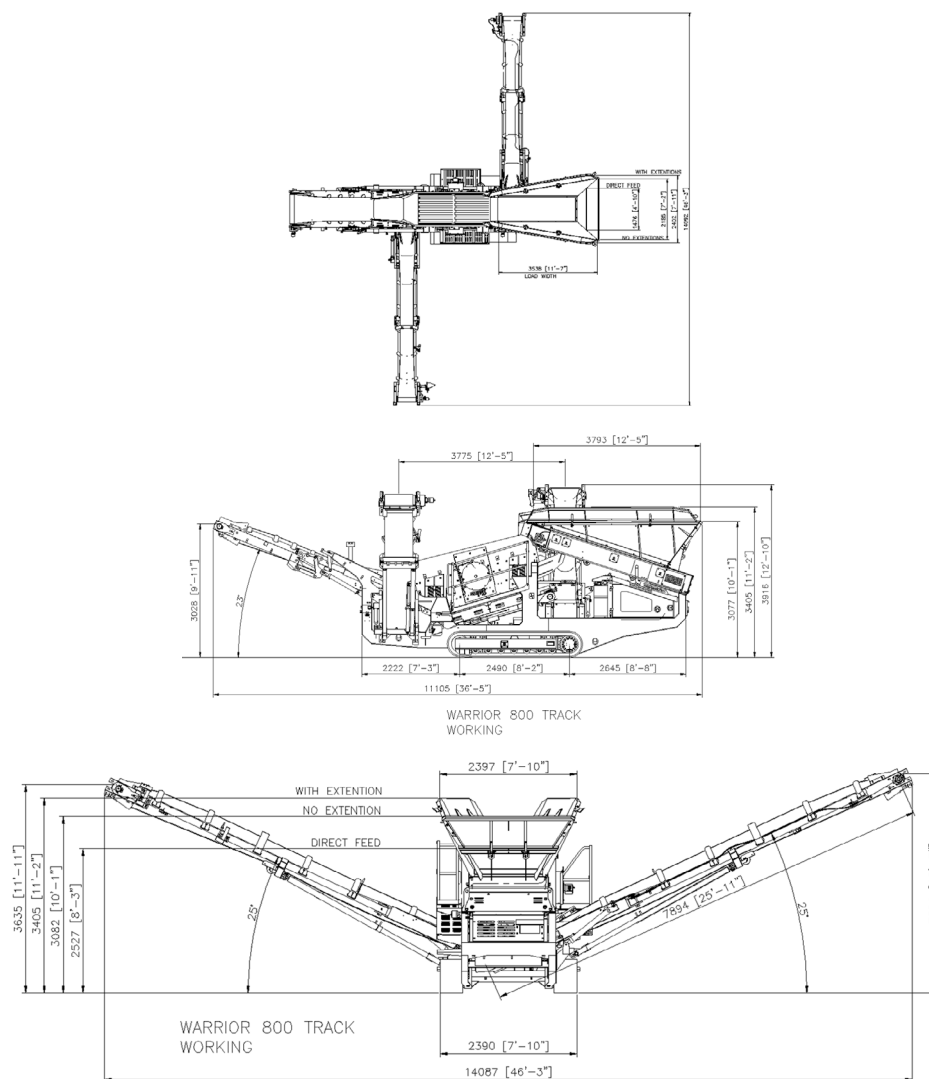

**GPS: MACHINE
TRACKING**


**REPORTING
UTILISATION, PERFORMANCE
& PART SPECIFIC**





**Figure 1: Warrior 800
Working Position**



MORE DIMENSIONS OVERLEAF

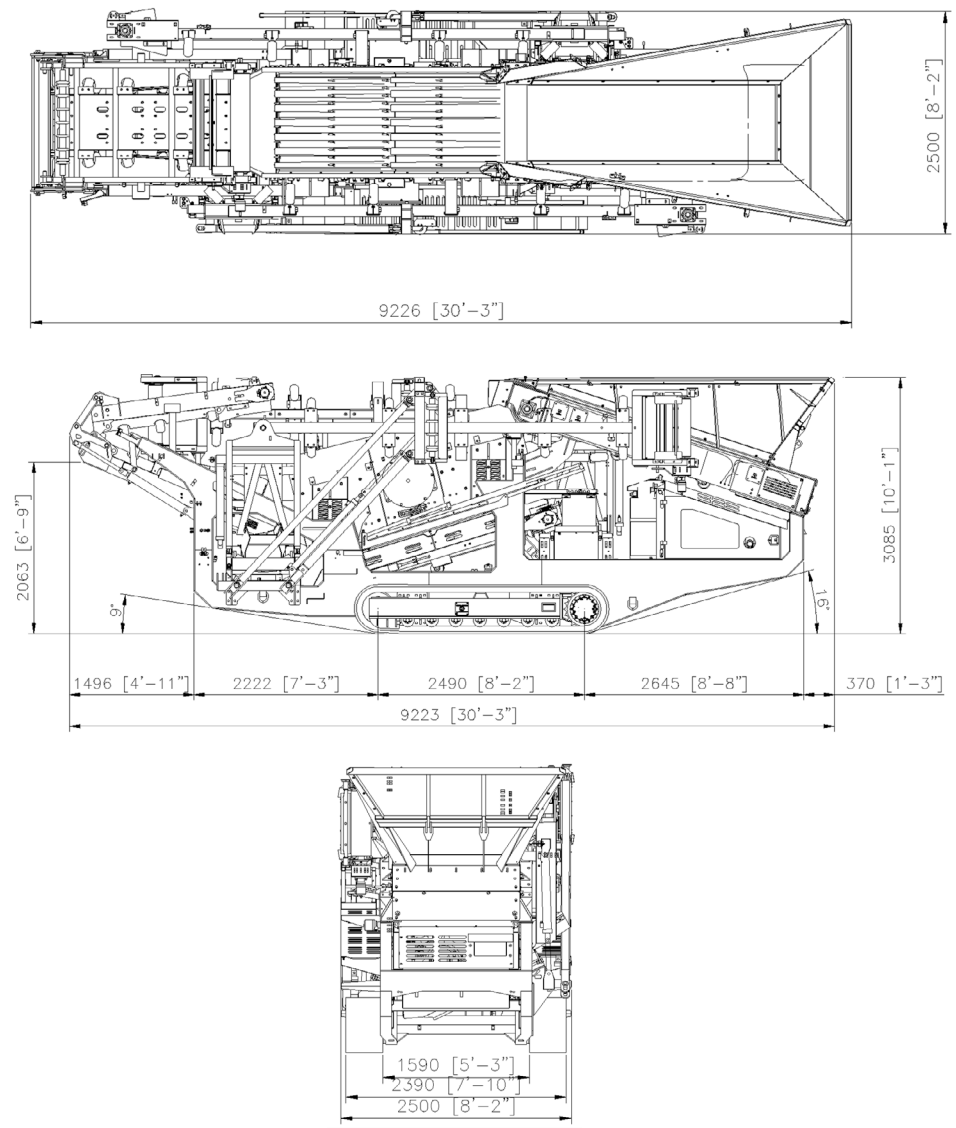


WARRIOR 800



↓ 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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