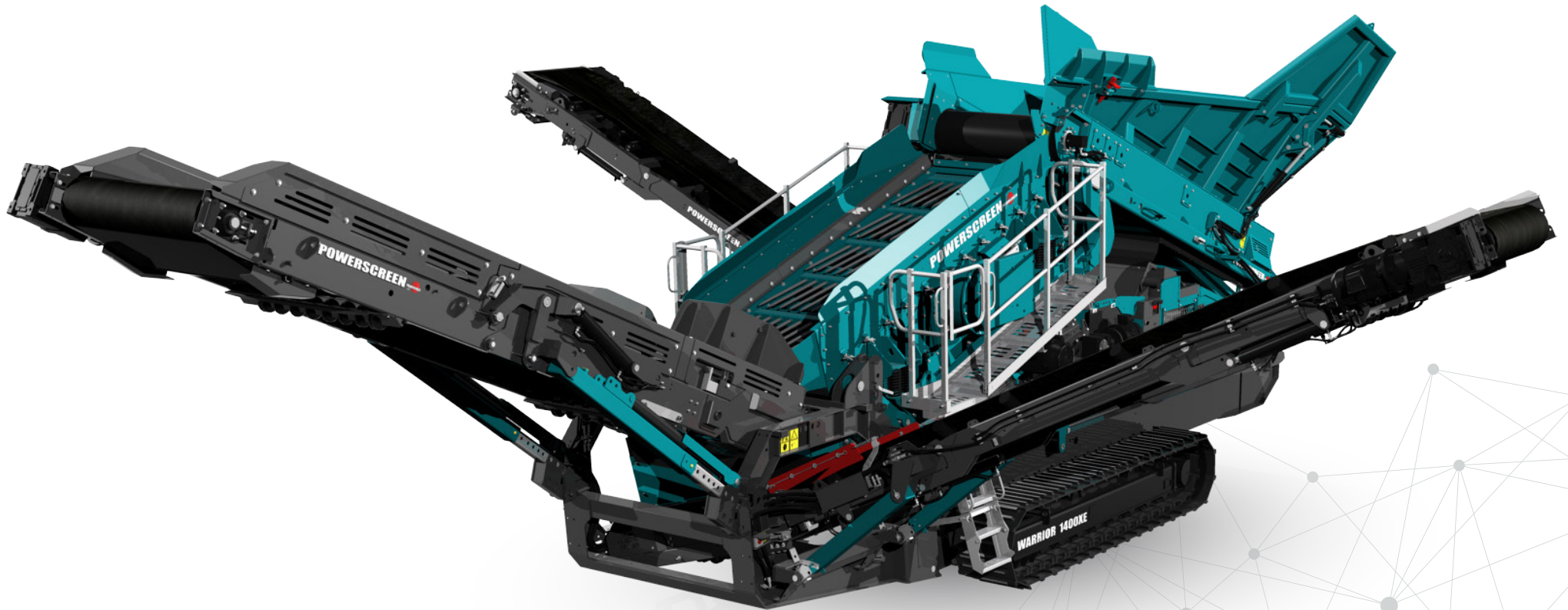


# POWERSCREEN® WARRIOR 1400XE

2 DECK HEAVY DUTY INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 2. 01/1/2019





## WARRIOR 1400XE



# OVERVIEW

## SPECIFICATION

<b>Total weight</b>	30,000kg (66,139lbs)
<b>Transport</b>	<b>Length</b> 14.14m (46' 5") <b>Width</b> 2.75m (9') <b>Height</b> 3.2m (10' 6")
<b>Working</b>	<b>Length</b> 14.2m (46' 7") <b>Width</b> 12.59m (41' 4") <b>Height</b> 4.4m (14' 5")
<b>Screenbox</b>	3.6m x 1.37m (11' 10" x 4' 6")
<b>Powerunit</b>	Diesel / Electric
<b>Plant Colour</b>	RAL 5021, RAL 7024 & RAL 9005

(Weight & dimensions are approximate base unit values)

## FEATURES & BENEFITS

- High capacity up to 500 tph / 551 US tph (depending on media sizes & material type)
- Maximum feed size 500mm(1' 8"). Maximum allowable feed size may vary depending on material type and screenbox media
- Ability to work indoors and in a confined environment, in tunnels for example.
- Self-powered by the on board genset or can be powered from an external mains supply
- Single button start-up & shut down
- Suitable for scalping or stockpiling as permanent 3-way split or 2-way split machine
- Heavy duty inclined hopper & belt feeder featuring impact bars & impact rollers
- Fixed hopper sides
- 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 tracks
- Quick set up time typically under 10 minutes
- Hydraulically folding conveyors for transport
- 2 speed heavy duty tracks, with removable pendant remote control system

## 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 1400XE



# ↓ HOPPER

**Target area:** 4.7m (15' 5") long x 2.6m (8' 6") wide

**Hopper capacity:** 7m<sup>3</sup> (9.2 cu. yd.)

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

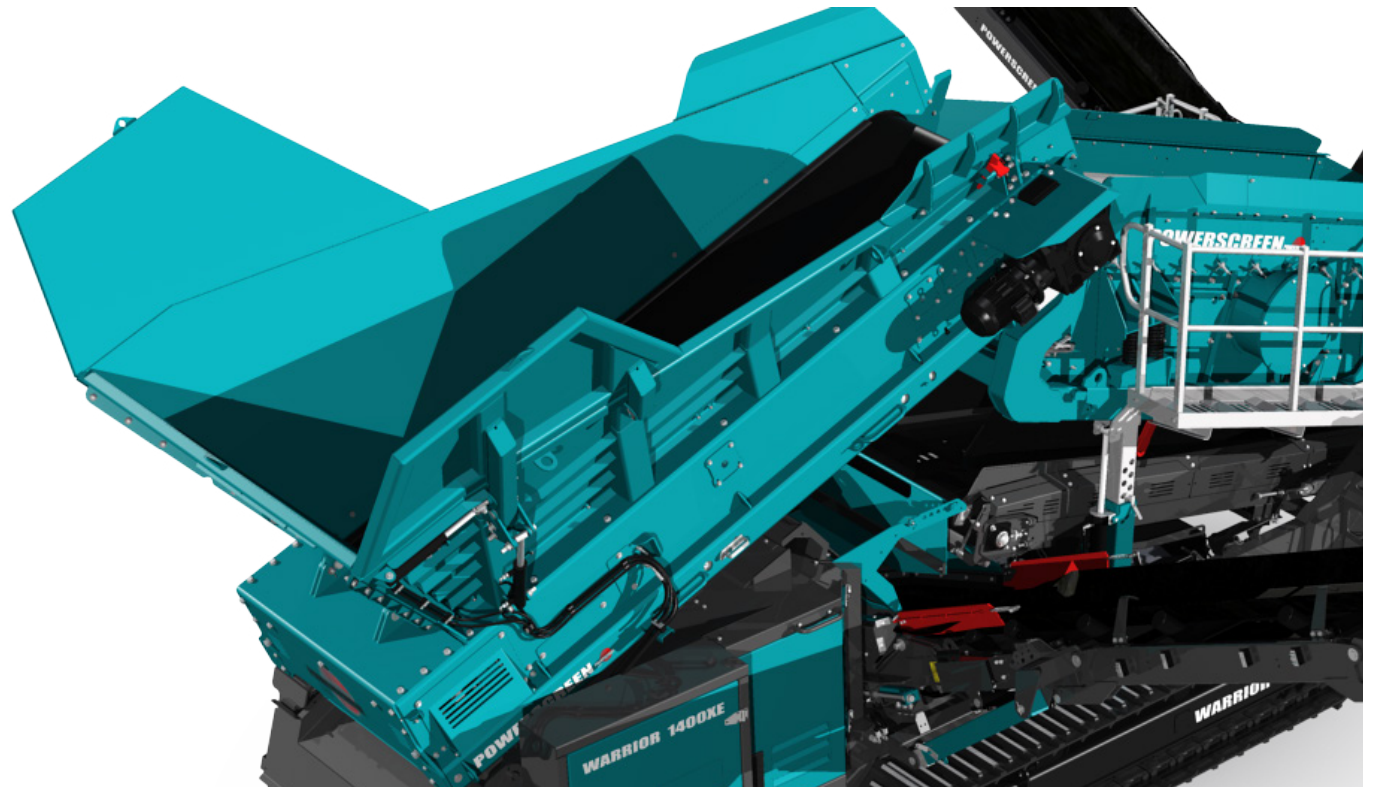
**Rear wall collapsible for direct feeding - feed in height:** 2.83m (9' 3")

Hydraulic slide & raise facilities for transport

**Feed in height:** (side) 3.52m (11' 7")

**Feed in height:** (rear) 3.38m (11' 1")

**Feed in height with extensions:** (side) 4.57m (15')





## WARRIOR 1400XE



# SCREENBOX

Heavy duty 3.6m x 1.37m (11' 10" x 4' 6") 2 deck,  
2 bearing incline screen with highly aggressive  
and compact screen drive

Top deck : 3.52m x 1.37m (11' 7" x 4' 6")

Bottom deck : 3.48m x 1.37m (11' 5" x 4' 6")

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

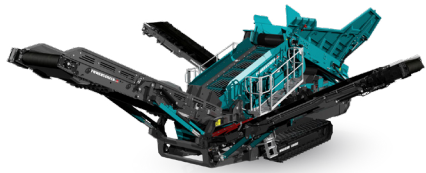
End tensioned or modular bottom deck

Jack-up screen facility for access to screen media 1m (3' 3") 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





## WARRIOR 1400XE



# ↓ CONVEYORS

### HEAVY DUTY BELT FEEDER

- Heavy duty impact bars & impact rollers supporting belt
- 1300mm (4' 3") 4 ply heavy duty belt
- 4.1m (13' 5") drum centres
- Heavy duty drive
- Variable speed control
- Stay clean system under feeder
- Supergrip drive drum as standard





## WARRIOR 1400XE



# ↓ CONVEYORS

### UNDERSCREEN CONVEYOR

1200mm (3' 11") wide 3 ply plain belt

3.46m (11' 4") drum centres

Accessible via jack-up screen facility

Underside accessible with collection conveyor raise facility

### OVERSIZE - TAIL CONVEYOR

1200mm (3' 11") wide troughed 3 ply chevron belt

5.6m (18' 4") drum centres

Variable speed control

Hydraulic raise & lower

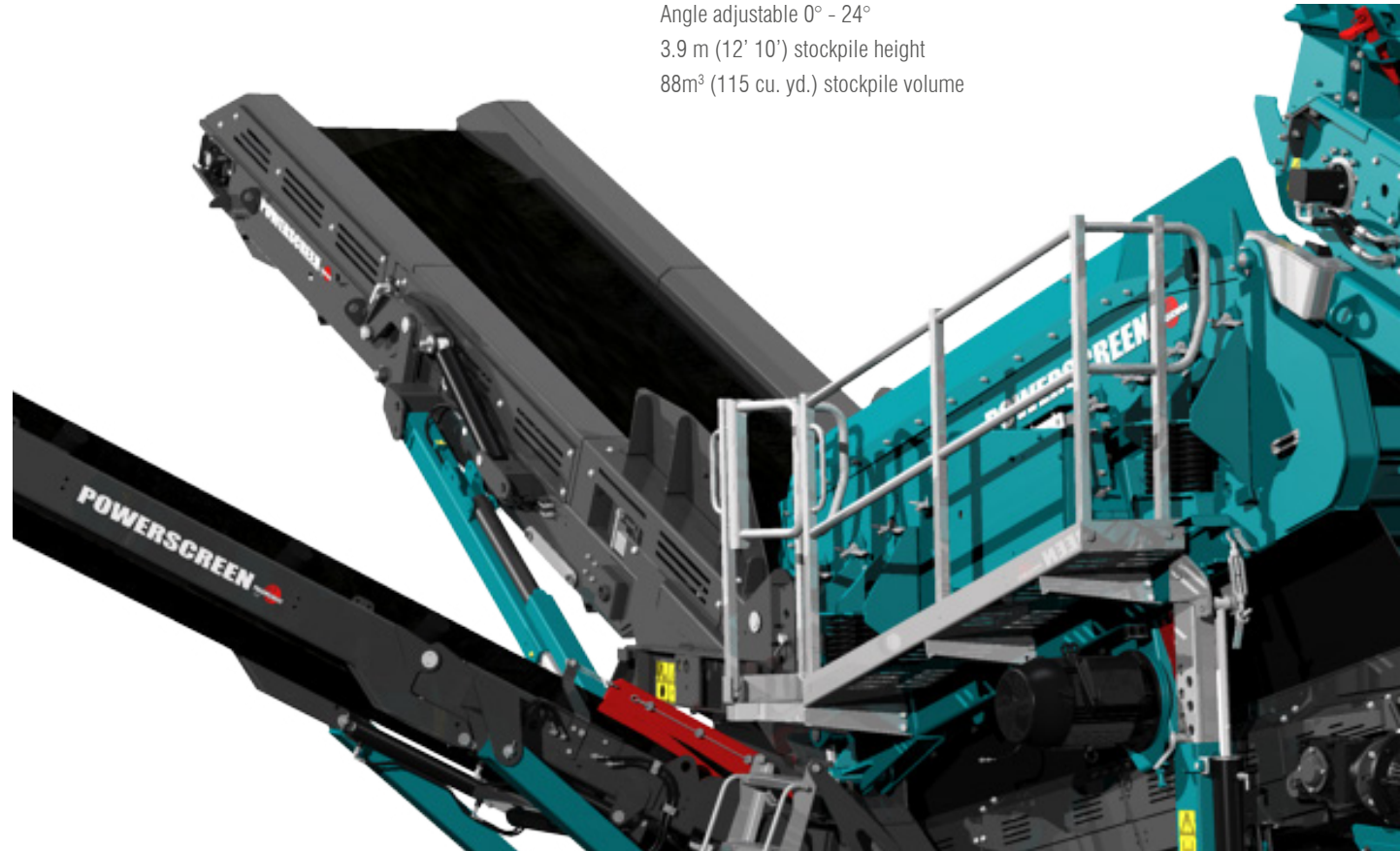
Impact bed along entire length

Hydraulically folding for transport

Angle adjustable 0° - 24°

3.9 m (12' 10') stockpile height

88m<sup>3</sup> (115 cu. yd.) stockpile volume





## WARRIOR 1400XE



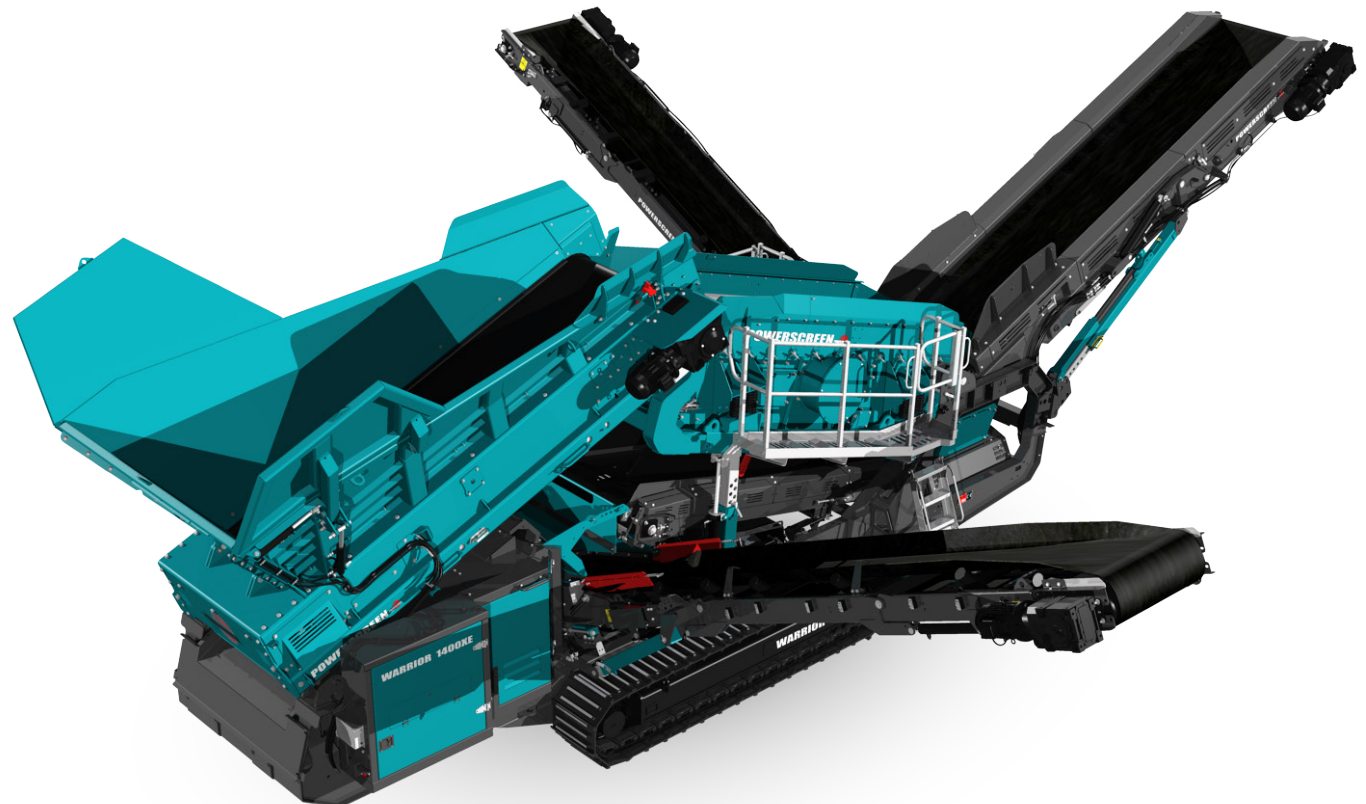
# ↓ CONVEYORS

### FINESIZE - SIDE CONVEYOR

900mm (2' 11") wide 3 ply plain belt  
7.2m (23' 7") drum centres  
Impact bars under feedboot area  
Deflector plate for optimum material travel  
Hydraulically folding, angle adjustable  
3.72m (12' 2") stockpile height  
76m<sup>3</sup> (100 cu. yd.) stockpile volume

### MIDSIZE - SIDE CONVEYOR

900mm (2' 11") wide 3 ply plain belt  
7.2m (23' 7") drum centres  
Impact bars under feedboot area  
Variable speed control  
Hydraulically folding, angle adjustable  
3.6m (11' 10") stockpile height  
69m<sup>3</sup> (91 cu. yd.) stockpile volume  
Removed during 2 way split operation





## WARRIOR 1400XE



# ↓ POWER UNIT & HYDRAULICS

### Engine Stage IIIA Constant Speed:

Caterpillar C4.4 ATAAC - 4 cylinder diesel

### Performance:

85kW (114hp) @ 1500rpm

### Engine Tier 4F / Stage IV:

Caterpillar C4.4 - 4 cylinder diesel

### Performance:

70kW (94hp) @ 1500rpm\*

\*Also available for 50Hz supply

### Tank Capacities:

Fuel: 336 L (89 US Gal) protected diesel tank

Hydraulic oil: 450 L (119 US Gal)

### Alternator: 72kVA (400V 4P)

Electric auxiliary motor: 37kW

Auxilliary pump: cast iron tandem 46/46cc/rev

### Electric Motors:

Belt feeder motors: 7.5kW Electric Motor/Gearbox

Tail conveyor: 11kW Electric Motor/Gearbox

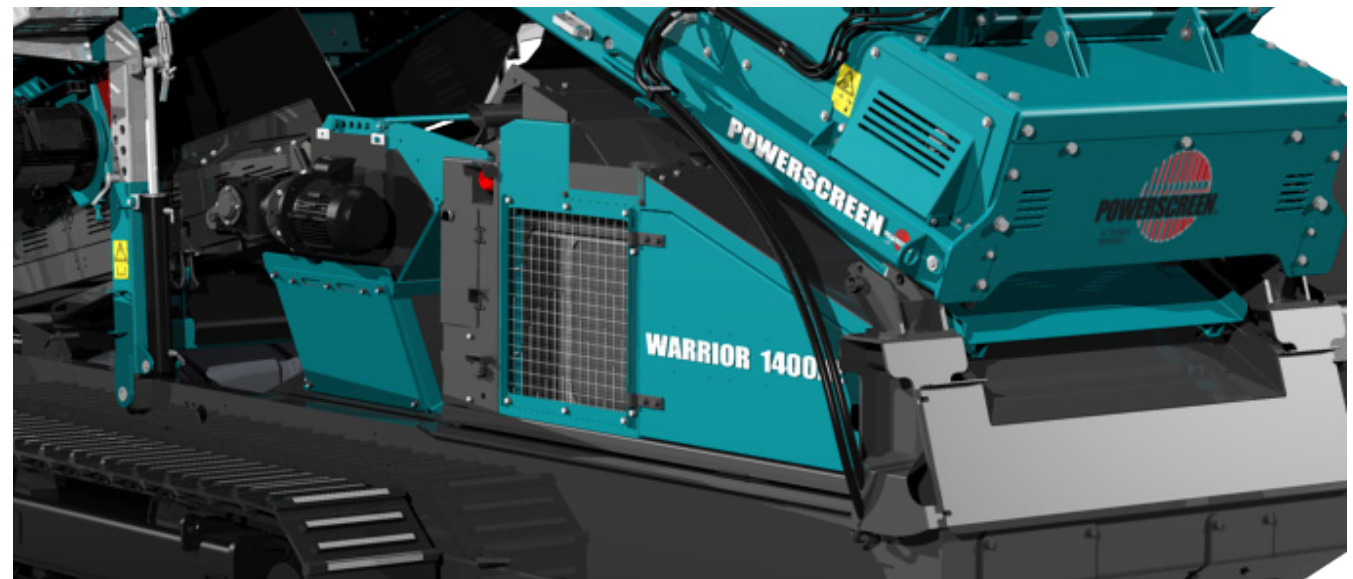
Mid fines side conveyor: 7.5kW Electric Motor/Gearbox

Collection conveyor: 4kW Electric Motor/Gearbox

Fines conveyor: 11kW Electric Motor/Gearbox

Screen: 15kW Electric Motor

Optional apron feeder: 7.5kW Electric Motor/Gearbox



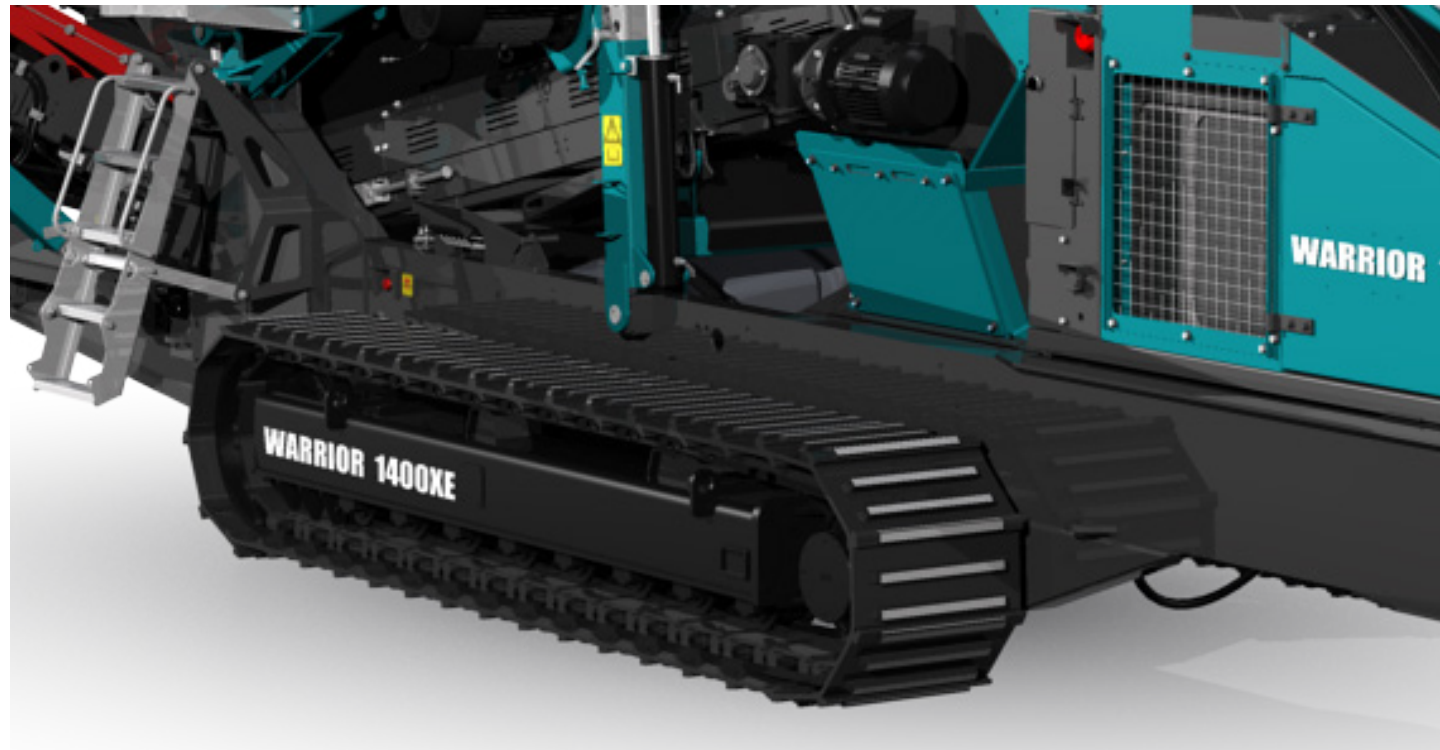


## WARRIOR 1400XE



## TRACKS

Track width: 400mm (1' 4")  
Sprocket centres: 2380mm (7' 10")  
Approximate speed: 1.7kph (1.06mph) (slow)  
Approximate speed: 2kph (1.24mph) (fast)  
Total flow per track: 70Lpm





## WARRIOR 1400XE



# ↓ OPTIONS

### INCLINE APRON FEEDER

1000mm (3' 3") (inside hopper width) wide wear resistant feed apron

Fitted with single gearbox drive

Variable speed control

4m (13' 1") apron centres

Increase in machine weight: +2,160kg (4,762lbs)

### 300 MM CHASSIS RISER

Machine chassis raised 300mm (1') to provide improved ground clearance and additional conveyor stockpiling capacity

Transport height: 3.5m (11' 6")

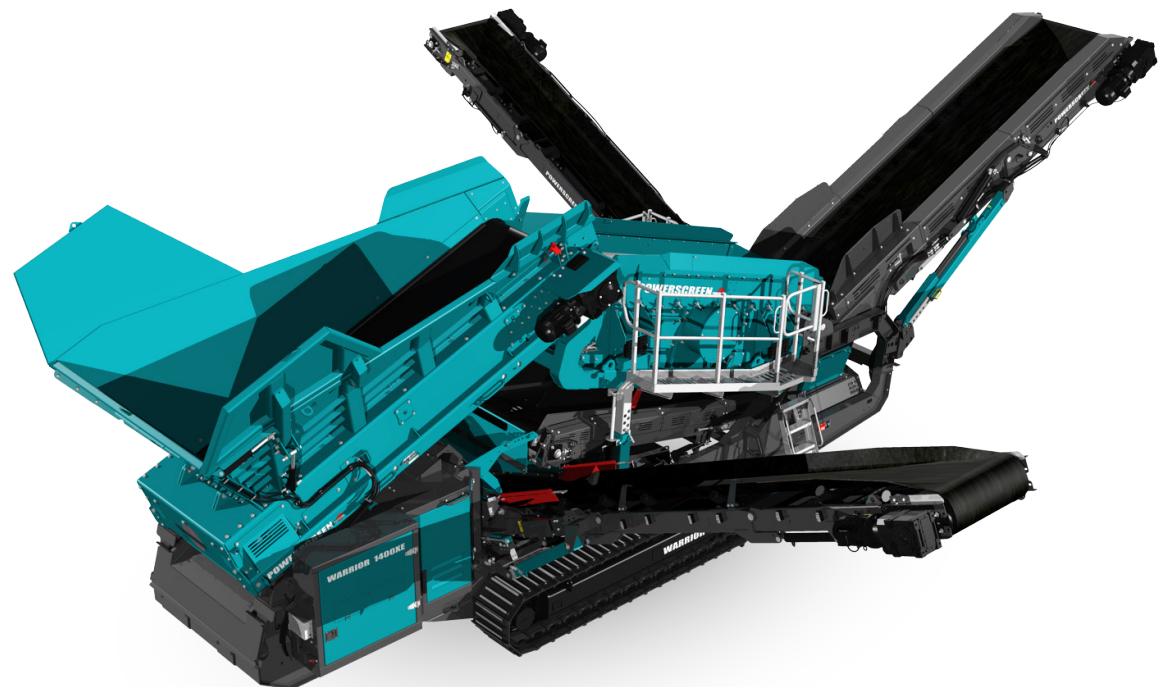
Increase in machine weight: + 470kg (1,036lbs)

### 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.





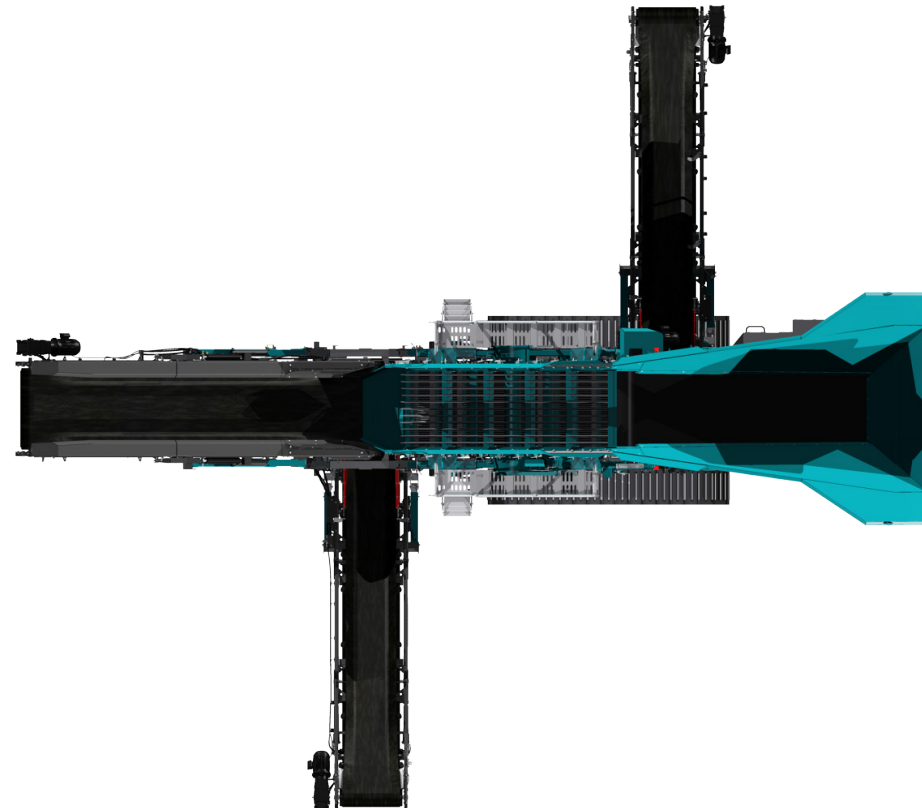
## WARRIOR 1400XE



# ↓ OPTIONS

### OTHER OPTIONS

- Custom coloured machine
- Chevron side conveyor belts
- Hopper extensions (hydraulic fold & lock)
- Auto lubrication system
- Radio controlled tracking
- Quick release wedge screen tensioning (side tensioned only)
- Wear resistant hopper
- Reversed side conveyors
- Screen blanket
- Powerscreen Pulse





## WARRIOR 1400XE



# 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**

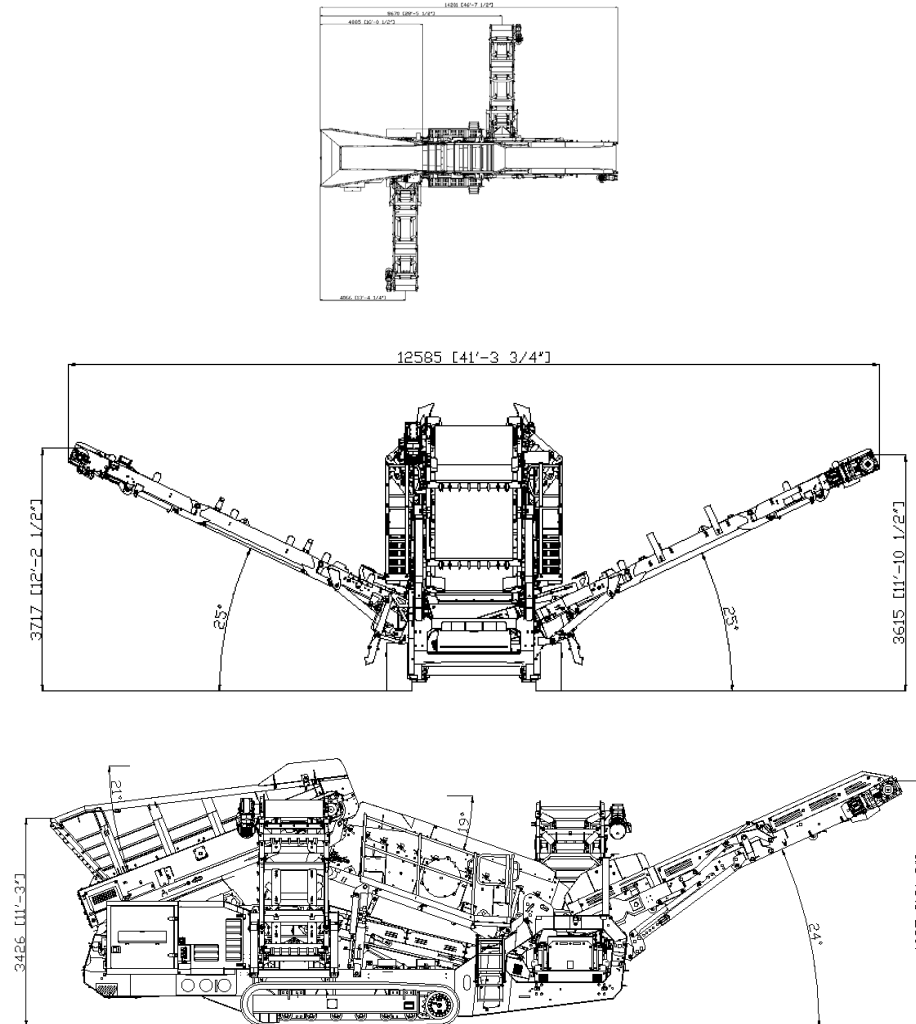


## WARRIOR 1400XE



# ↓ DIMENSIONS

Figure 1: Warrior 1400XE  
Working Position



[MORE DIMENSIONS OVERLEAF](#)

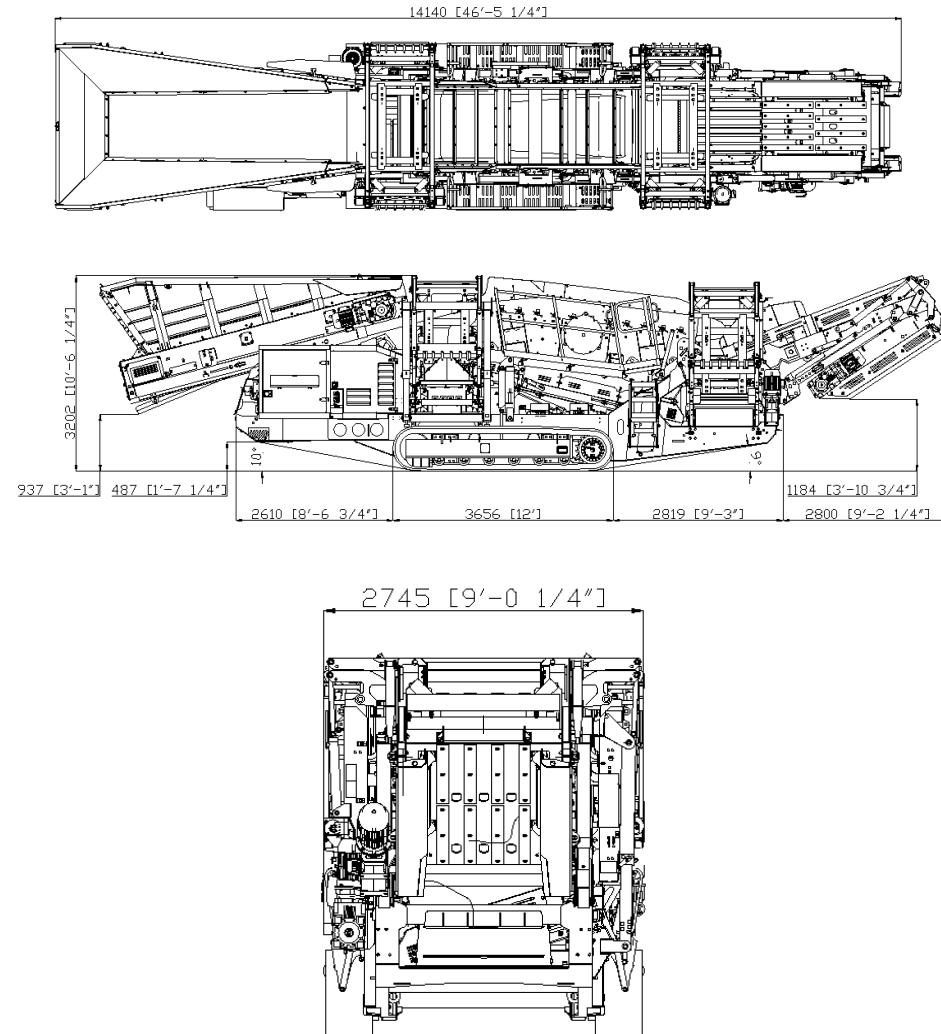


## WARRIOR 1400XE



# ↓ DIMENSIONS

Figure 2: Warrior 1400XE  
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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