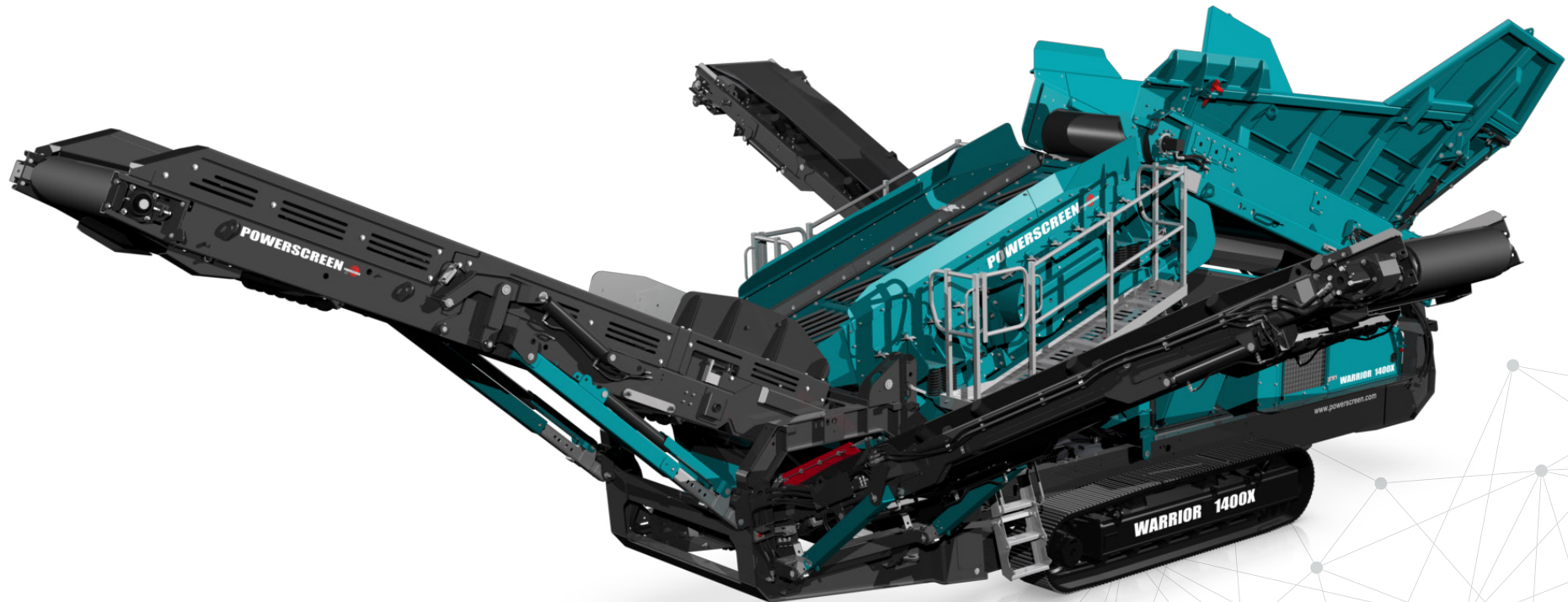


POWERSCREEN® WARRIOR 1400X

2 DECK HEAVY DUTY INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 6. 01/1/2019





WARRIOR 1400X



OVERVIEW

SPECIFICATION

Total weight	27,600kg (60,848lbs)
Transport	Length 14.17m (46' 6") Width 2.75m (9') Height 3.2m (10' 6")
Working	Length 14.23m (46' 8") Width 12.58m (41' 3") Height 4.57m (15')
Screenbox	3.6m x 1.37m (11' 10" x 4' 6")
Powerunit	Diesel / Electric
Plant Colour	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
- Suitable for scalping or stockpiling as a 3-way split or 2-way split machine
- Single button start-up & shut down
- Heavy duty inclined hopper & belt feeder featuring impact bars & impact rollers
- Fixed hopper sides & twin drive belt feeder
- 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
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler
- Hydraulically folding conveyors for transport
- 2 speed heavy duty tracks, with removable pendant remote control system
- Dual power option

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 1400X



HOPPER

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

Hopper capacity: 7m³ (9.2 cu. yd.)

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

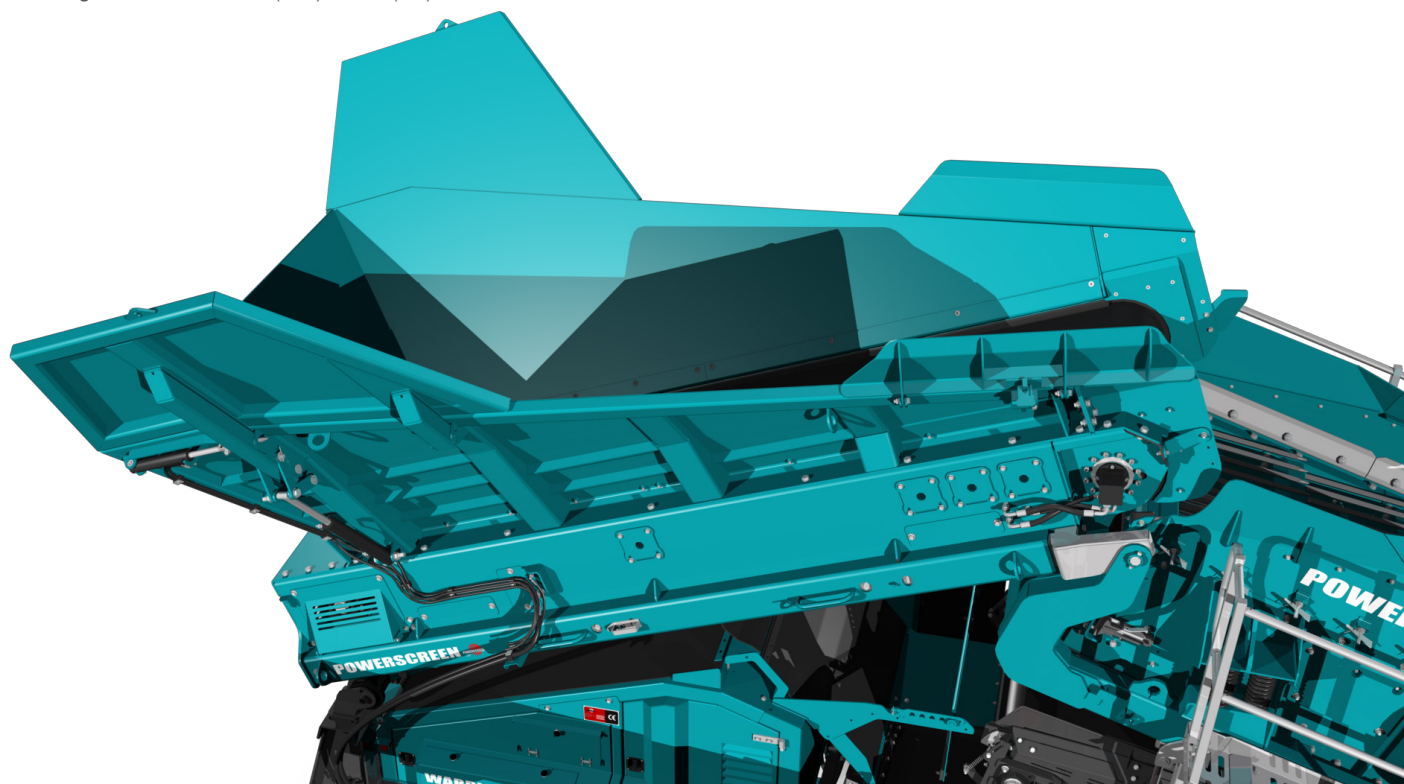
Rear wall collapsible for direct feeding - feed in height: 2.83m (9' 3")

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')





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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.





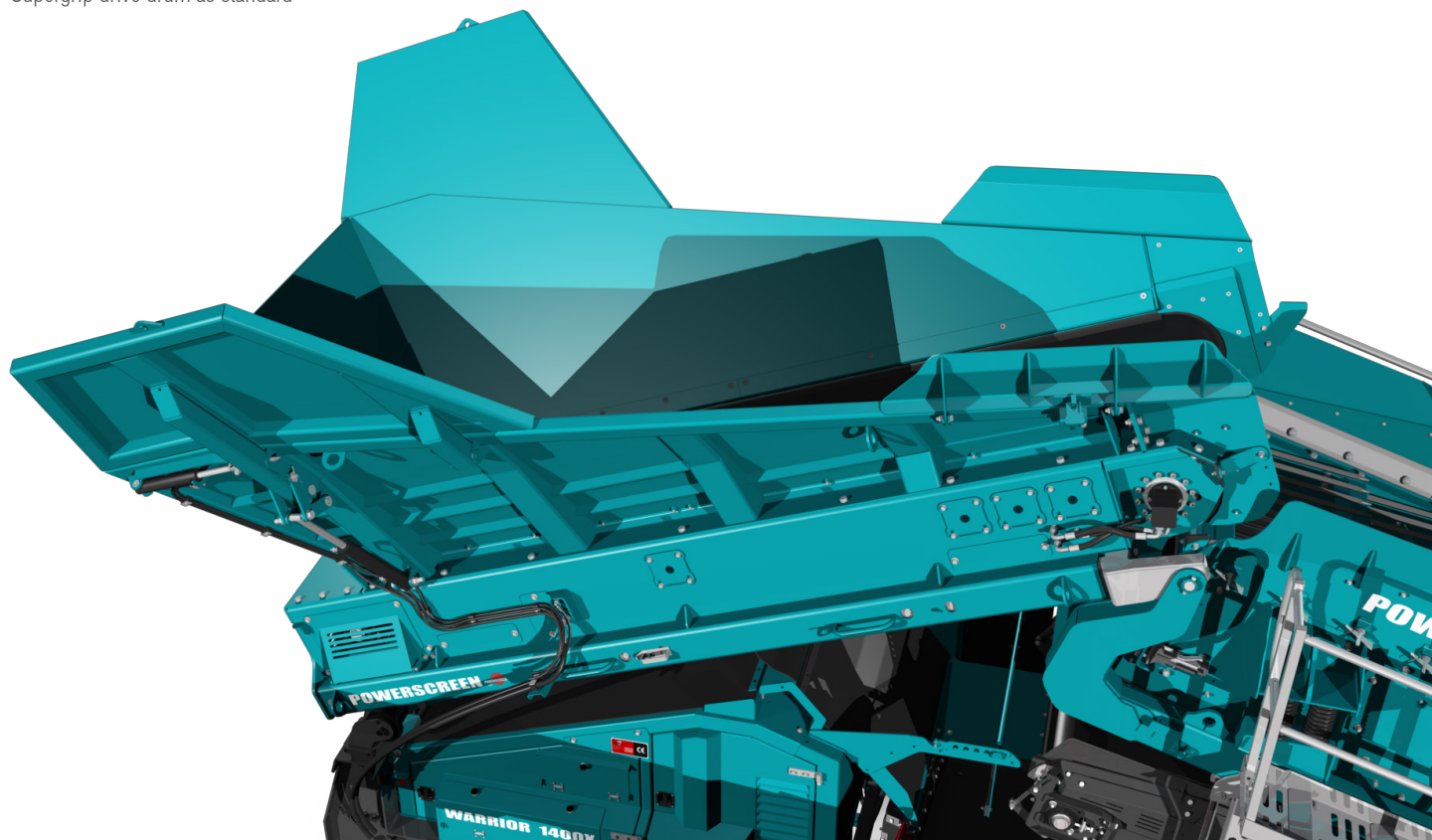
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CONVEYORS

HEAVY DUTY BELT FEEDER

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





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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

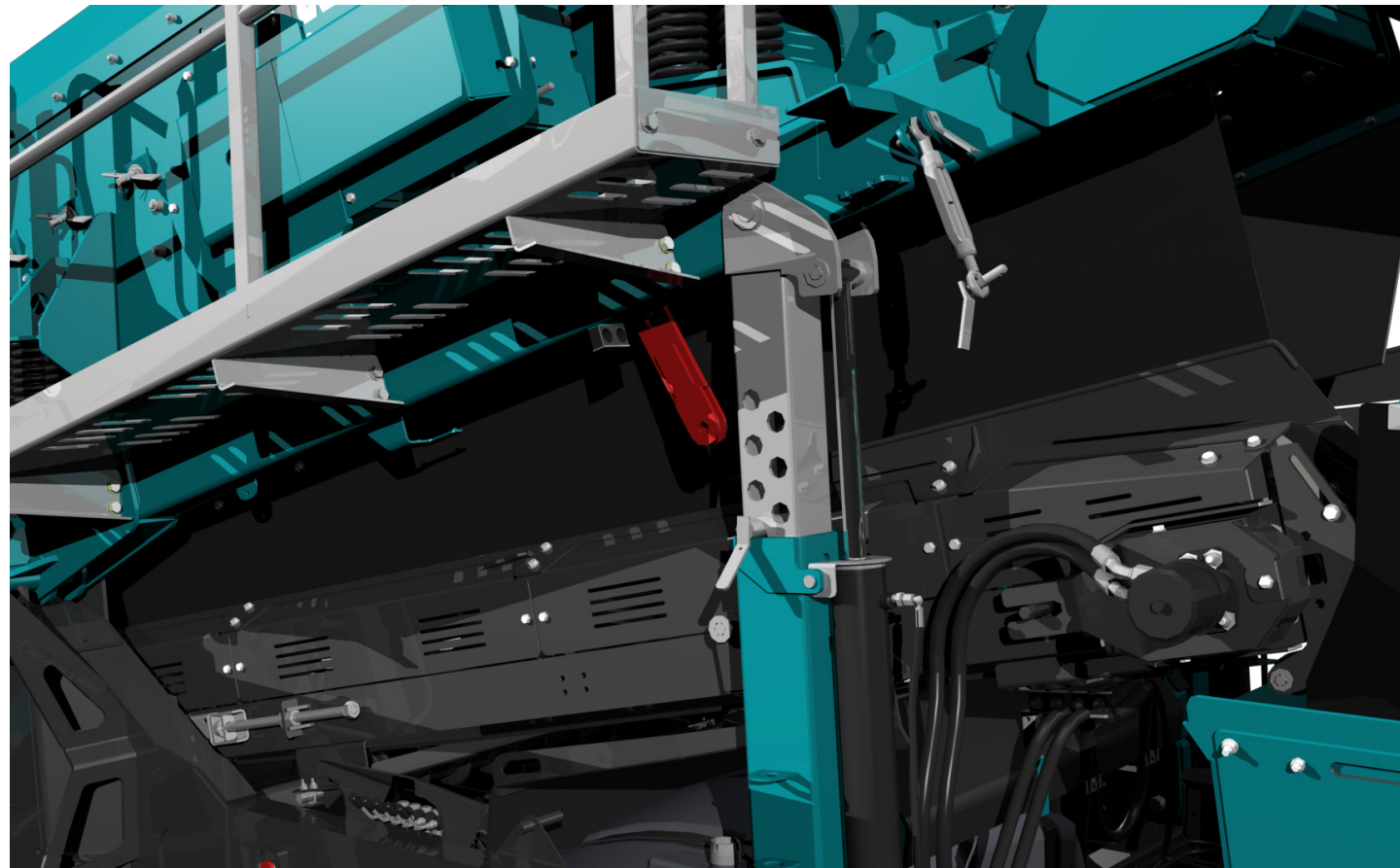
Impact bed along entire length

Hydraulically folding for transport

Angle adjustable 0° - 24°

3.9 m (12' 10") stockpile height

88m³ (115 cu. yd.) stockpile volume





WARRIOR 1400X



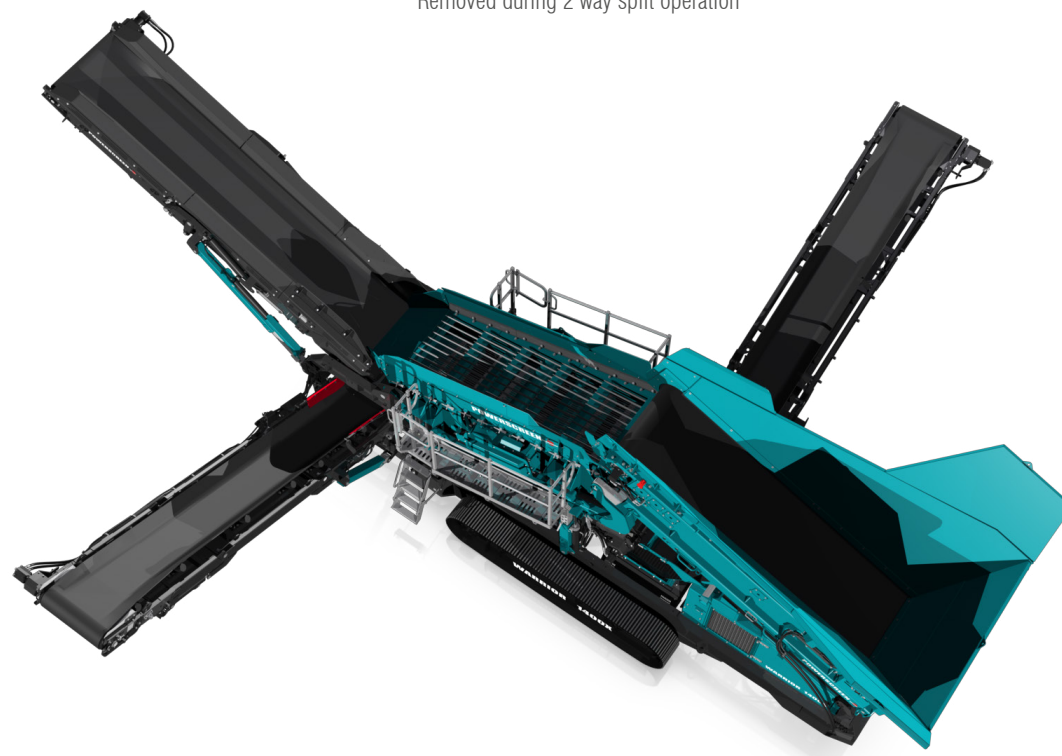
CONVEYORS

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
 76m³ (100 cu. yd.) stockpile volume
 4.2m (13' 9") stockpile height (extended)
 110m³ (144 cu. yd.) stockpile volume (extended)

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
 69m³ (91 cu. yd.) stockpile volume
 4.1m (13' 5") stockpile height (extended)
 103m³ (134 cu. yd.) stockpile volume (extended)
 Removed during 2 way split operation





WARRIOR 1400X



POWER UNIT & HYDRAULICS

Engine Tier 3 Equivalent:

Caterpillar C4.4 - 4 Cylinder diesel

Performance:

90kW (121hp) @ 1800rpm

Engine Tier 4F / Stage IV:

Caterpillar C4.4- 4 cylinder diesel

Performance:

82kW (110hp) @ 1800rpm

Engine Constant Speed Stage IIIA:

Caterpillar C4.4- 4 cylinder diesel

Performance:

98kW (131hp) @ 1800rpm

Tank Capacities:

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

Hydraulic oil: 450 L (119 US Gal)

Pumps:

Flywheel pump: Cast iron triple 63/41/41 cc/rev

PTO 'A' pump: Cast iron tandem 29/29 cc/rev

Motors:

Belt feeder motors: Cast iron 125cc/rev

Tail conveyor: Cast iron 800cc/rev

Mid fines side conveyor: Cast iron 500cc/rev

Underscreen conveyor motor: Cast iron 500cc/rev

Fines conveyor motor: Cast iron 500cc/rev

Screen motor: Cast iron 56cc/rev

Optional apron feeder motor: Cast iron 400cc/rev





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↓ 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:	70 Lpm





WARRIOR 1400X



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)

300MM 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 from factory

Top deck & bottom deck oversize material fed on to tail conveyor.

DUAL POWER

2 of electric motors: 37kW & 30kW

Diesel engine

Integrated control system managing diesel-hydraulic or electrical-hydraulic functions

Note: This option may alter transport dimensions and feed access. Please contact engineering for detailed drawings and dimensions.



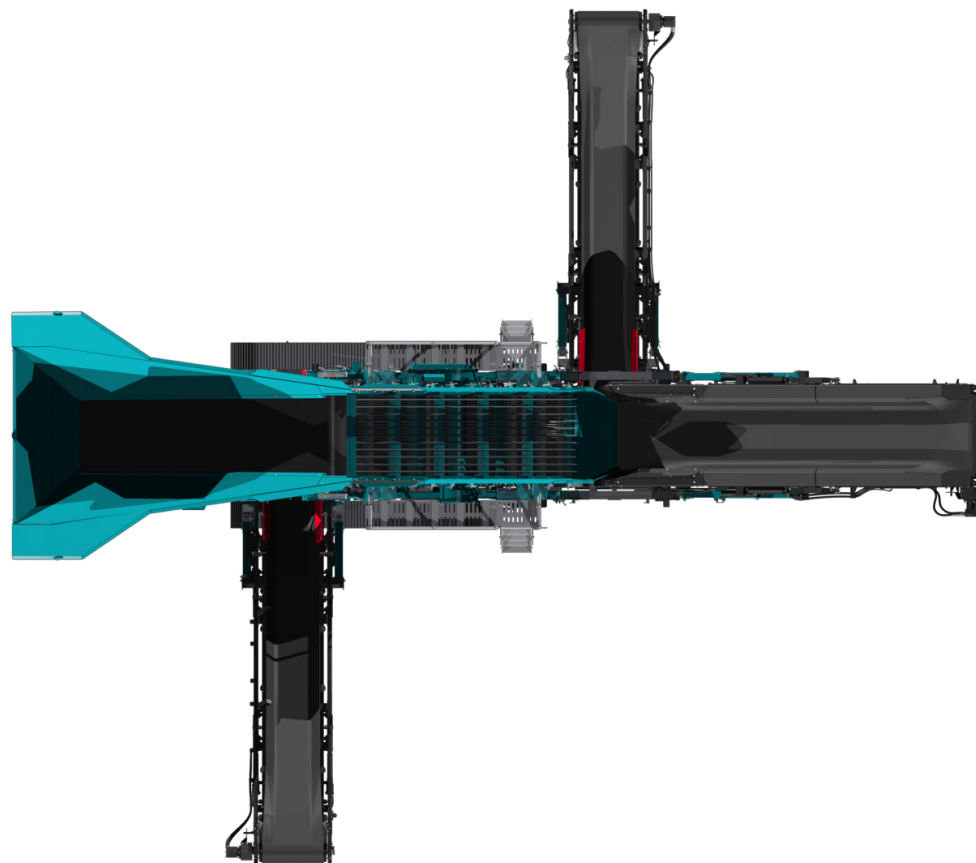
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OPTIONS

OTHER OPTIONS

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





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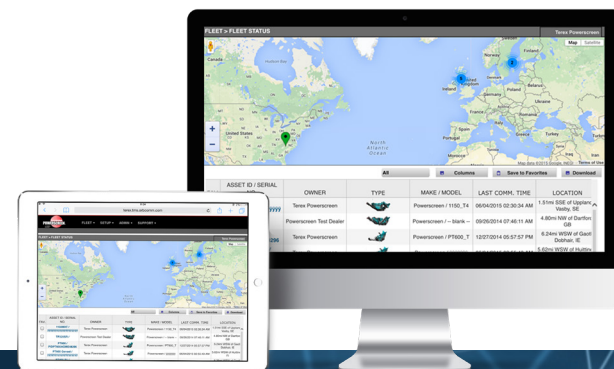


POWERSCREEN PULSE

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**



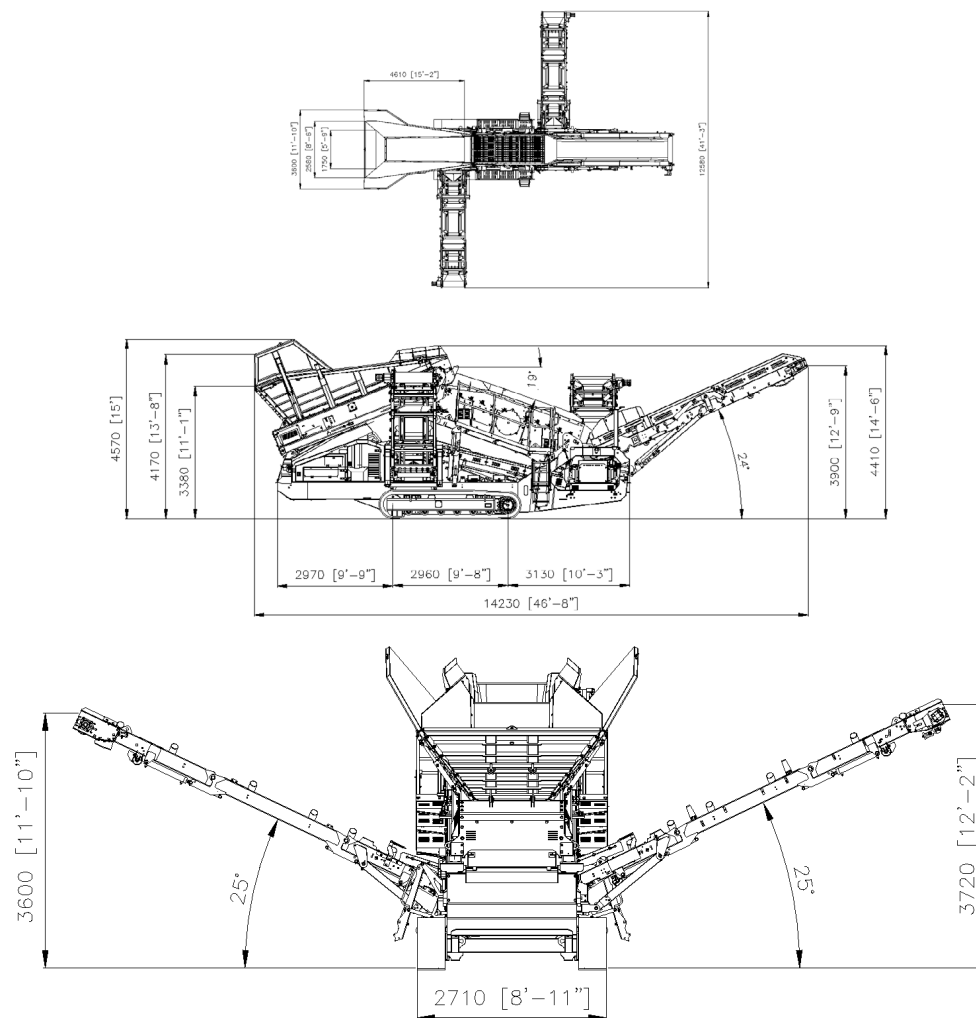


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DIMENSIONS

Figure 1: Warrior 1400X
Working Position



MORE DIMENSIONS OVERLEAF

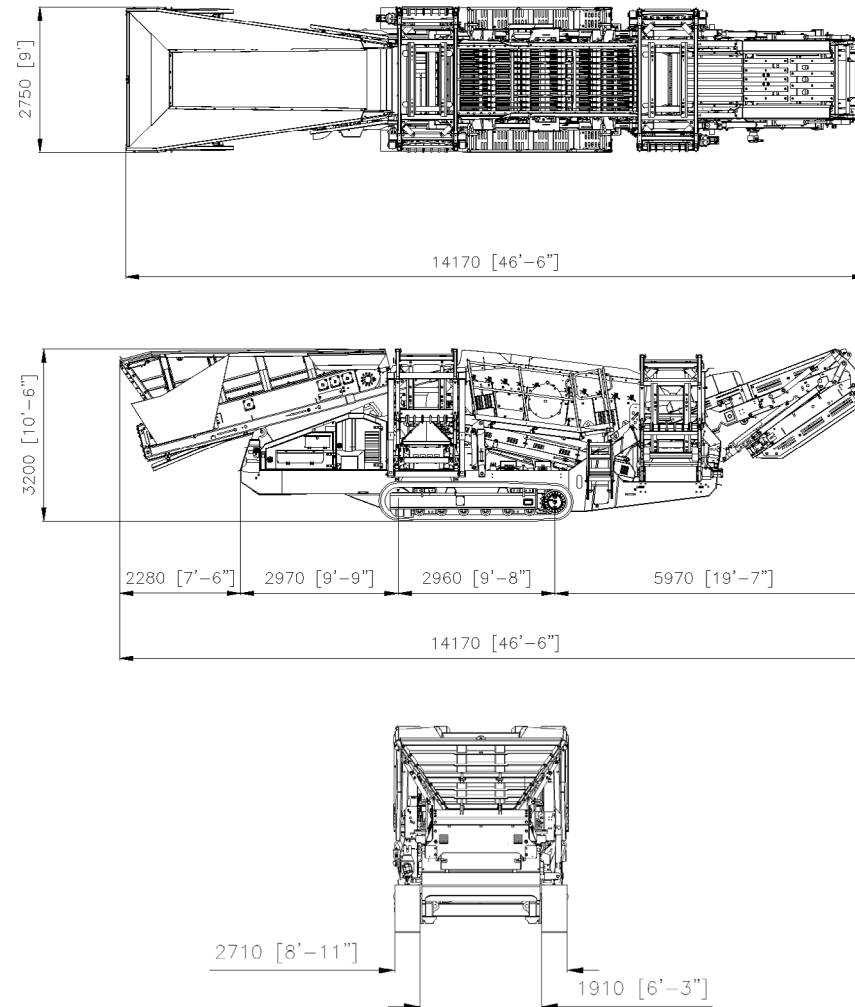


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DIMENSIONS

Figure 2: Warrior 1400X
Transport Position



MORE DIMENSIONS OVERLEAF

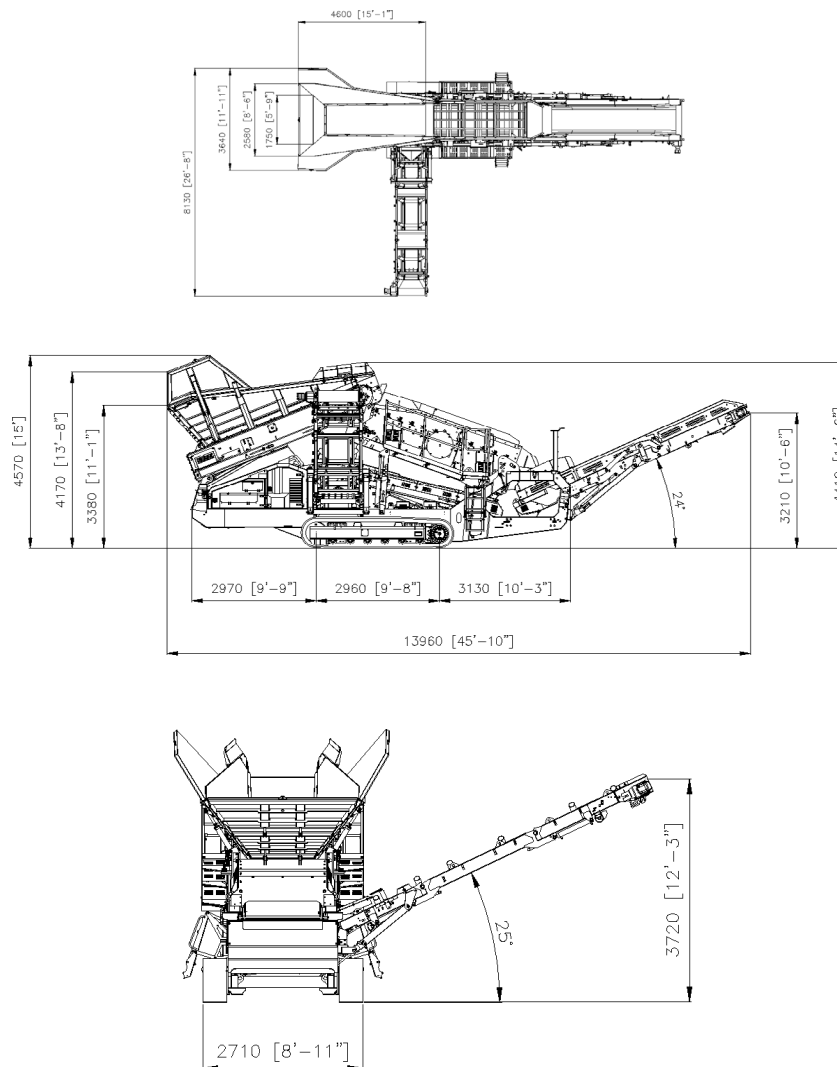


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DIMENSIONS

Figure 3: Warrior 1400X
2 Way Split
Working Position



MORE DIMENSIONS OVERLEAF



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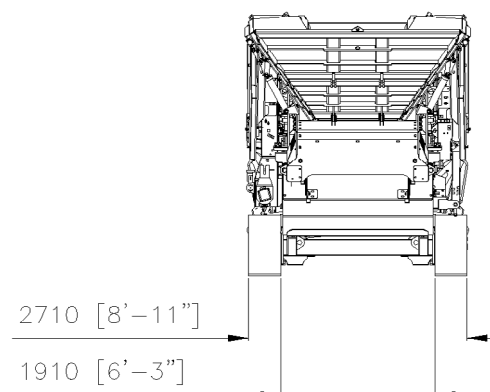
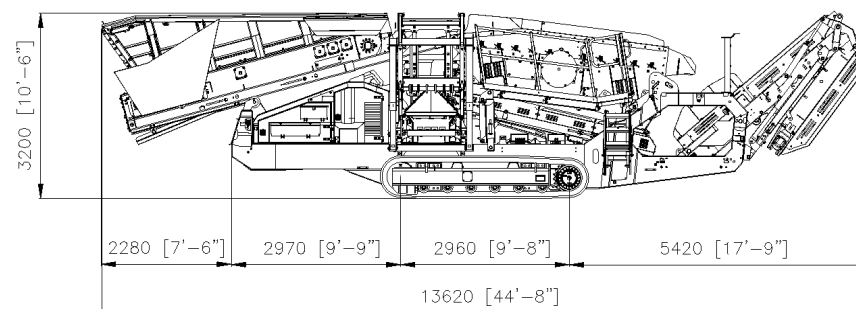
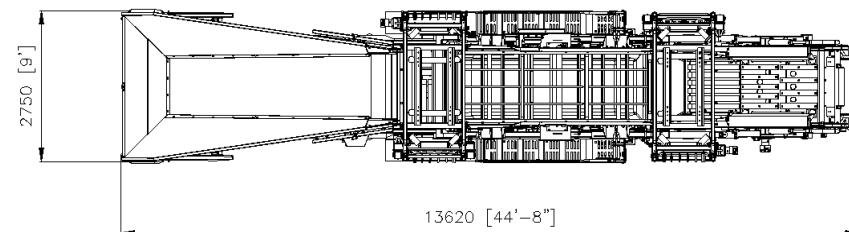


DIMENSIONS

Figure 4: Warrior 1400X

2 Way Split

Transport Position



MORE DIMENSIONS OVERLEAF

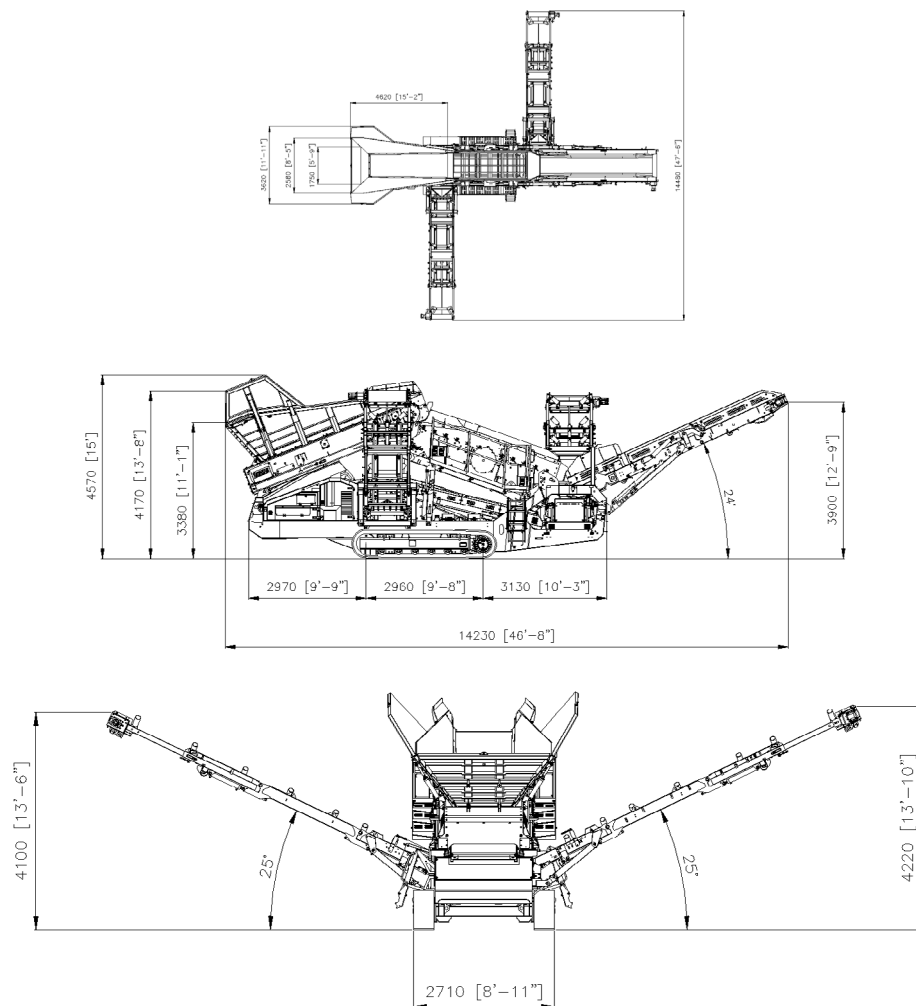


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DIMENSIONS

Figure 5: Warrior 1400X
Telescopic Side Conveyors
Working Position



MORE DIMENSIONS OVERLEAF

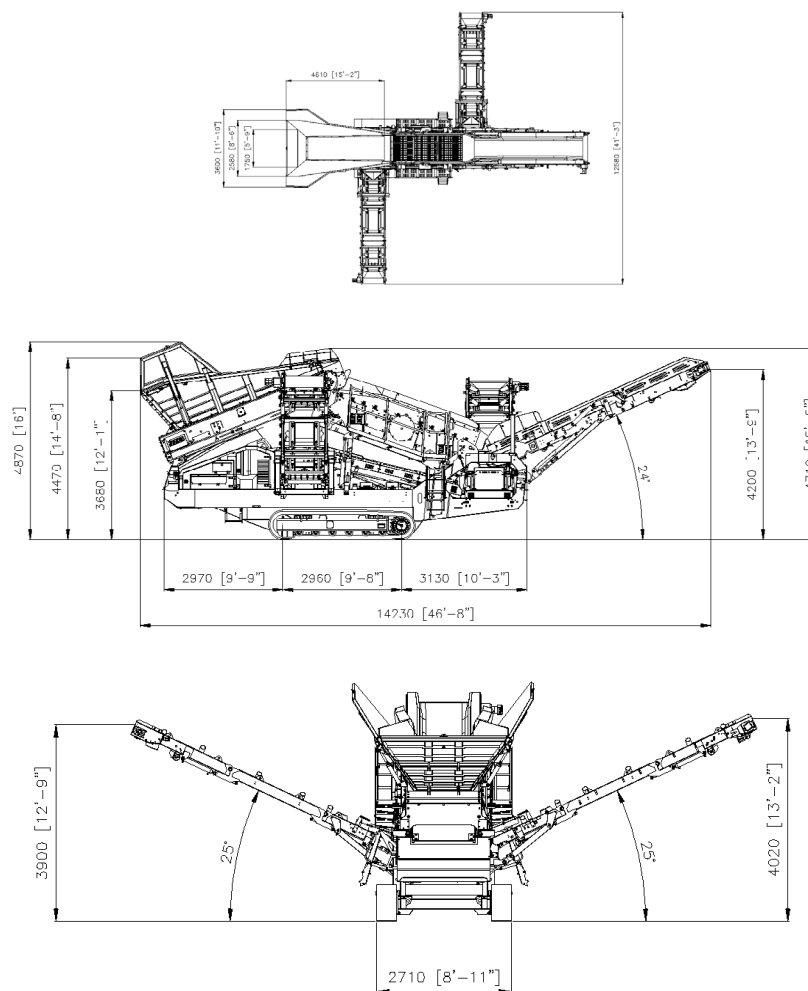


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DIMENSIONS

Figure 6: Warrior 1400X
300mm Chassis Riser
Working Position



MORE DIMENSIONS OVERLEAF

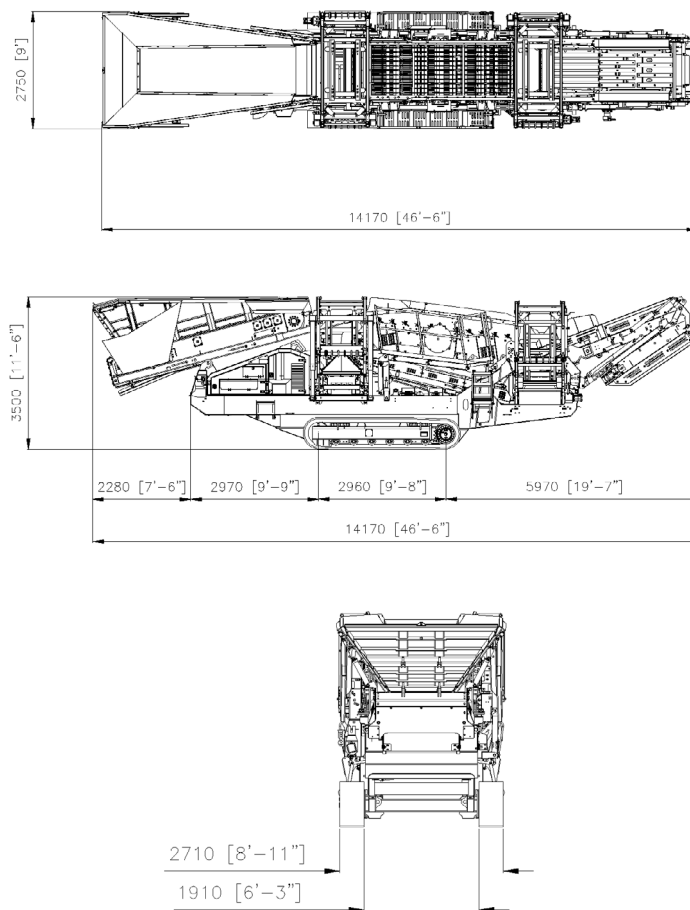


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DIMENSIONS

Figure 7: Warrior 1400X
300mm Chassis Riser
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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