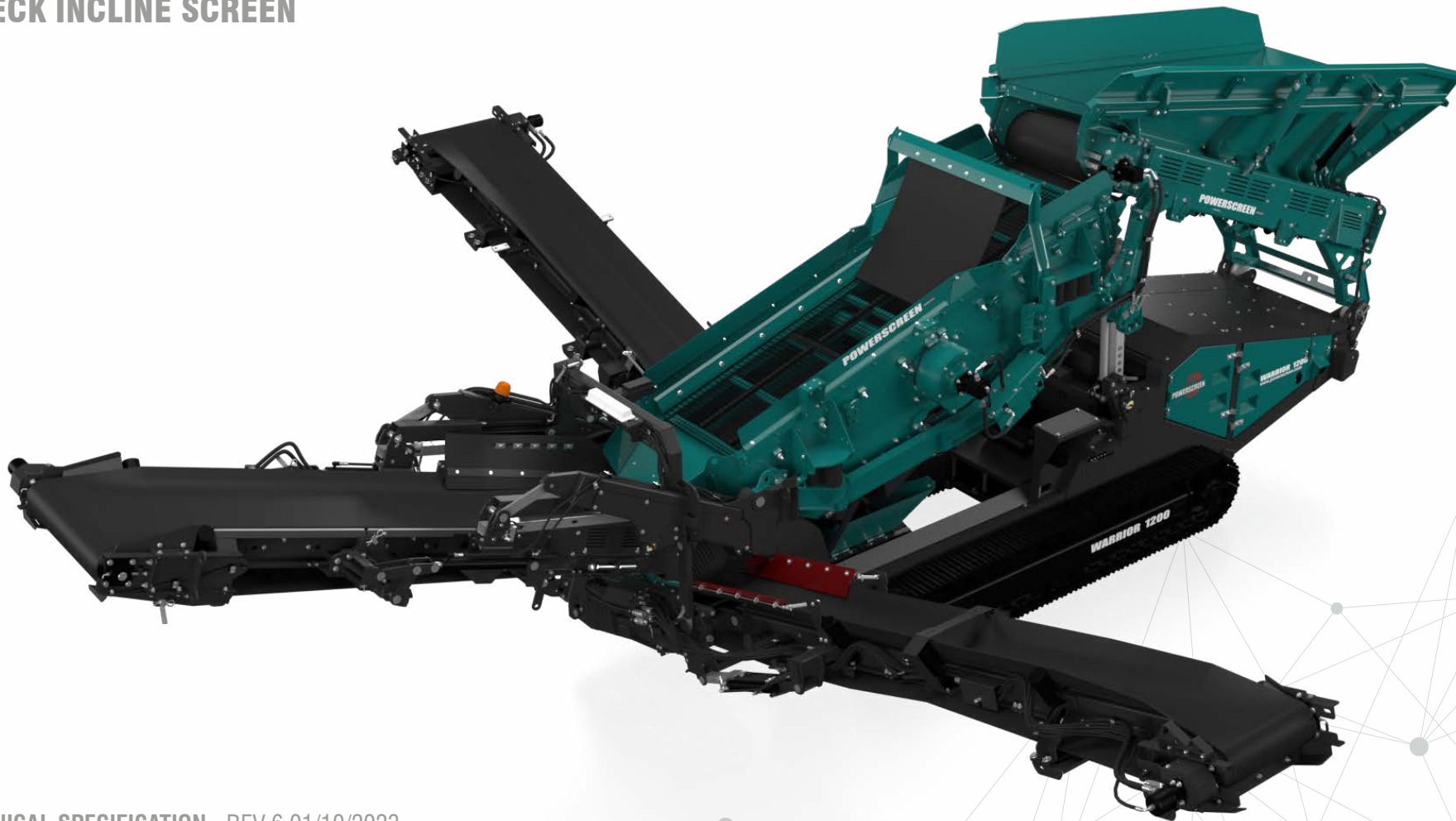


POWERSCREEN® WARRIOR 1200

2 DECK INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 6 01/10/2023





WARRIOR 1200



OVERVIEW

SPECIFICATION

Total weight	17,150kg (37,809lbs)
Transport	Length 10.96 (36')**
	Width 2.25m (7' 5")
	Height 2.51m (8' 3")
Working	Length 11.63m (38' 2")
	Width 10.36m (33' 11")
	(screenbox at 14°) Height 4.02 (13' 2")
Screenbox	3.6m x 1.17m (12' 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 300tph / 330 US tph (depending on media sizes & material type)
- Maximum feed size 300mm (1'). Maximum allowable feed size may vary depending on material type and screenbox media
- 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 and angle
- 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
- Versatile unit for 3 way splitting, stockpiling or scalping before or after a crusher
- Simple to operate & maintain
- Wear resistant steel hopper
- Variable speed hopper and conveyors
- Wide range of screen media available
- Power unit featuring a longitudinal engine arrangement to aid access & serviceability
- Hydraulically folding tail conveyor and hopper extensions (options)
- Shared media with Warrior 600*
- Powerscreen Pulse telemetry as standard

* Excludes end tensioned bottom deck mesh and top deck fingers

**Transport length can be reduced to 10.3m (33' 10") in alternative short transport position (transport height thereby increases to 3.12m (10' 3")).

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 1200



↓ HOPPER

Target area: 3.74m (12' 3") long x 1.85m (6') wide
Hopper capacity: 5m³ (6.5 cu. yd.)

Feed in height (rear): 3.16 (10' 4")
Feed in height (side): 4.02 (13' 2")





WARRIOR 1200



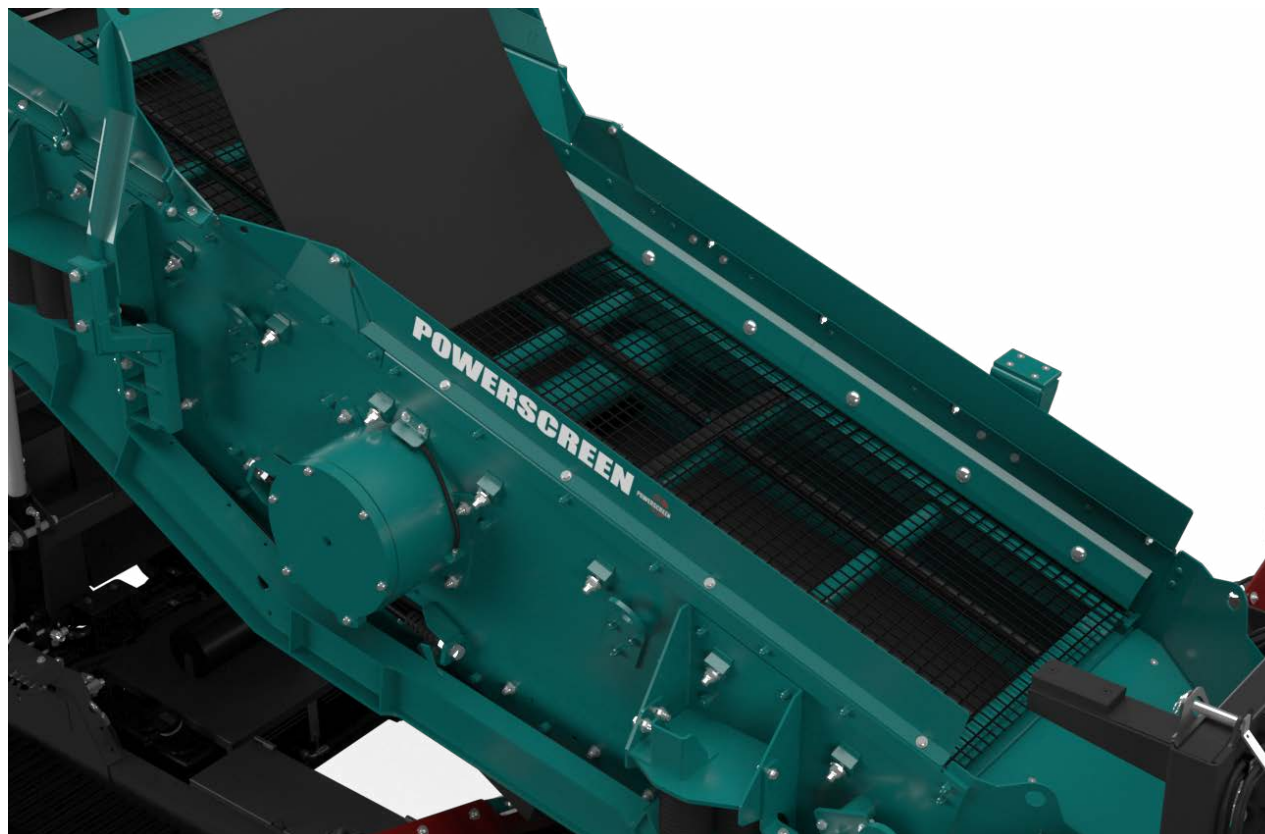
SCREENBOX

Heavy duty 3.68m x 1.17m (12' x 4') 2 deck screen
Highly aggressive screen drive
2 bearing shaft arrangement complete with direct drive system
Top deck : 3.6m x 1.17m (11' 10" x 3' 10")
Bottom deck : 3.13m x 1.15m (10' 3" x 3' 9")

Side tension top deck
End tension bottom deck
Stroke: 9.5mm

Variable screen angle: 14° - 18°
Top deck media: bofor deck, fingers, punch plate and mesh
Bottom deck media: mesh, fingers
Rubber screen blanket (option)

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





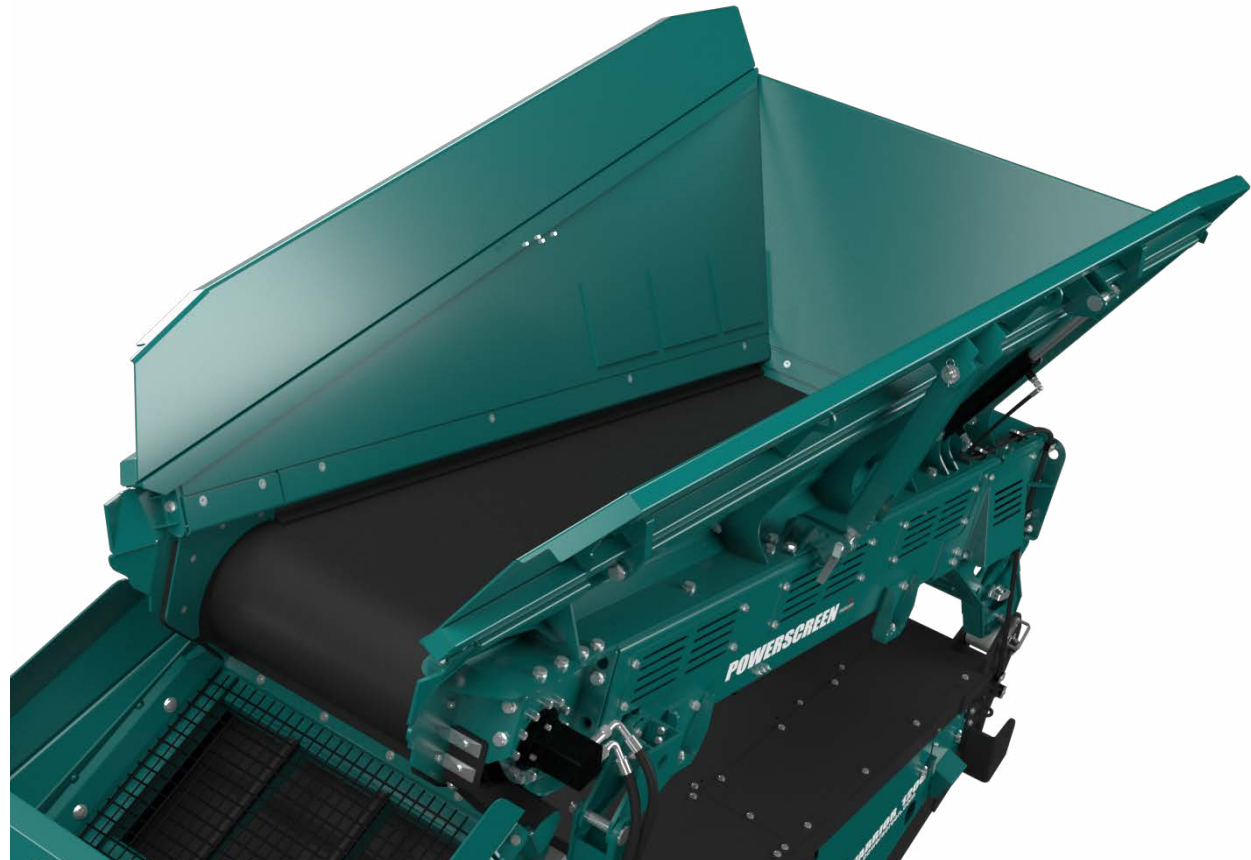
WARRIOR 1200



↓ CONVEYORS

HEAVY DUTY BELT FEEDER

- 1000mm (40") 4 ply plain belt
- 3.22m (10' 7") drum centres
- 335mm (13.2") drive drum diameter
- 270mm (10.6") tail drum diameter
- Variable speed control
- Supergrip drive drum standard





WARRIOR 1200



↓ CONVEYORS

OVERSIZE - TAIL CONVEYOR

1000mm (40") wide 3 ply chevron belt

4.17m (13' 10") drum centres

216mm (8.5") drum diameter (drive)

2.80m (9' 2") stockpile height

33m³ (43 cu. yd.) stockpile volume

Variable speed control

Impact slips along length

Fixed angle: 20°

Hydraulic adjustment for 3 way split to 2 way split conversion





WARRIOR 1200



↓ CONVEYORS

FINESIZE - SIDE CONVEYOR

800mm (32") wide 3 ply plain belt
5.9m (19' 4") drum centres
216mm (8.5") drum diameter (drive)
3.35m (11') stockpile height
69m³ (90.2 cu. yd.) stockpile volume
Hydraulically folding
Variable angle: 19-25.5°
Variable speed control
Folding feedboot
Self tensioning skirting extending from feedboot

MIDSIZE - SIDE CONVEYOR

650mm (26") wide 3 ply plain belt
5.9m (19' 4") drum centres
216mm (8.5") drum diameter (drive)
2.95m (9' 8") stockpile height
38m³ (50 cu. yd.) stockpile volume
Variable speed control
Hydraulically folding
Variable angle: 18-25.5°
Self tensioning skirting extending from feedboot





WARRIOR 1200



POWER UNIT & HYDRAULICS

Engine Tier 3 Equivalent:

Deutz D2011 L04i

Performance:

49.4kW (66.2 hp) @ 2300rpm

Engine Tier 4F:

Caterpillar C3.4

Performance:

55kW (74hp) @ 2300rpm

Stage V:

Caterpillar C2.2

Performance:

55kW (74hp) @ 2300rpm

Tank Capacities:

Fuel: 145 L (38 US Gal)

Hydraulic oil: 250 L (66 US Gal)

Pumps:

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

Motors:

Belt feeder: Cast iron 125cc/rev

Tail conveyor: Cast iron 500cc/rev

Fines conveyor: Cast iron 400cc/rev

Midsized side conveyor: Cast iron 400cc/rev

Screen: Cast iron 56cc/rev





WARRIOR 1200



↓ TRACKS

Track width:	300mm (1')
Sprocket centres:	3427mm (11' 3")
Approximate speed:	0.85kph (0.53mph) (slow)
	1.5kph (0.95mph) (fast)
Total flow per track:	60 Lpm





WARRIOR 1200



↓ OPTIONS

HYBRID POWERPACK OPTION

Single 37kW (50hp) electric motor
Diesel engine spec dependent on area (see Powerunit and Hydraulics section)

Intergrated control System
This controls either diesel-hydraulic or electric-hydraulic functions.

Note: This option may alter transport weight.
Please contact engineering for further details.





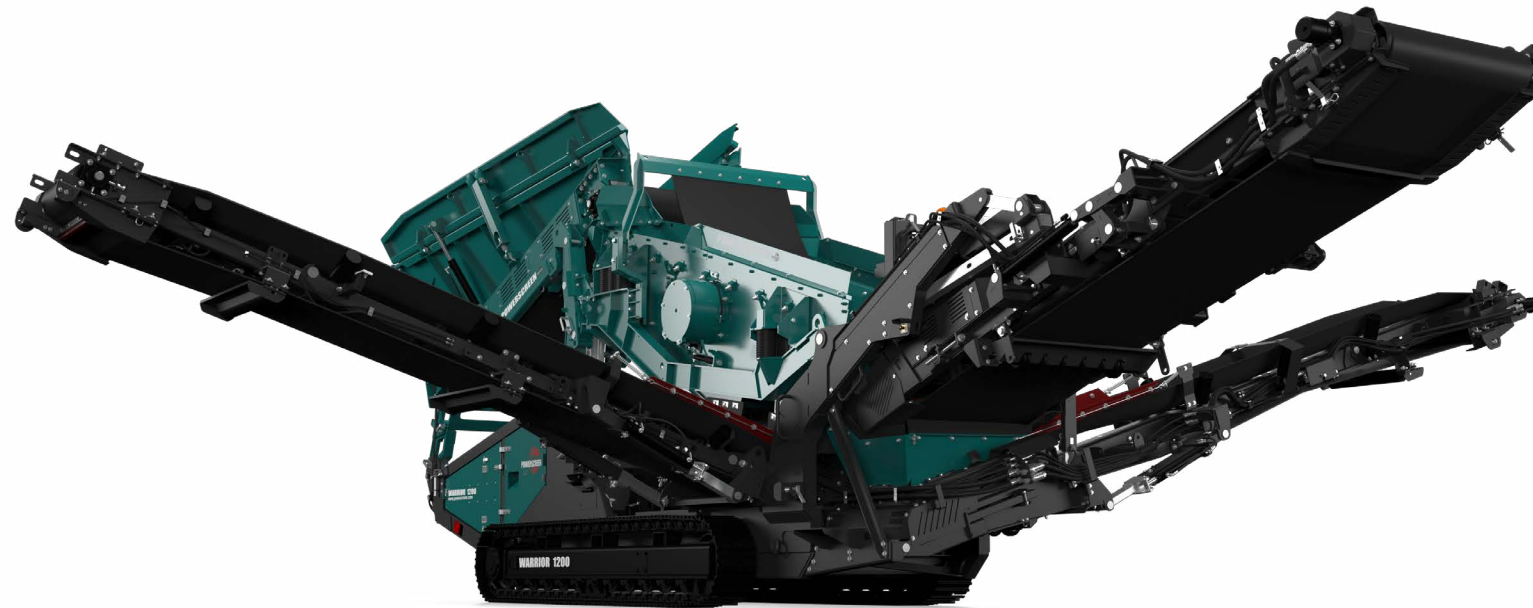
WARRIOR 1200



↓ 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
- Screen blanket
- Hydraulically folding tail conveyor
- Hydraulically folding hopper extensions
- Hydraulic extended fines conveyor
- Hydraulic oil Grade 68





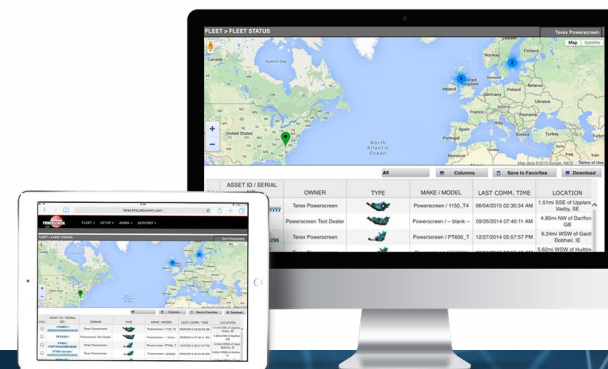
WARRIOR 1200



↓ 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

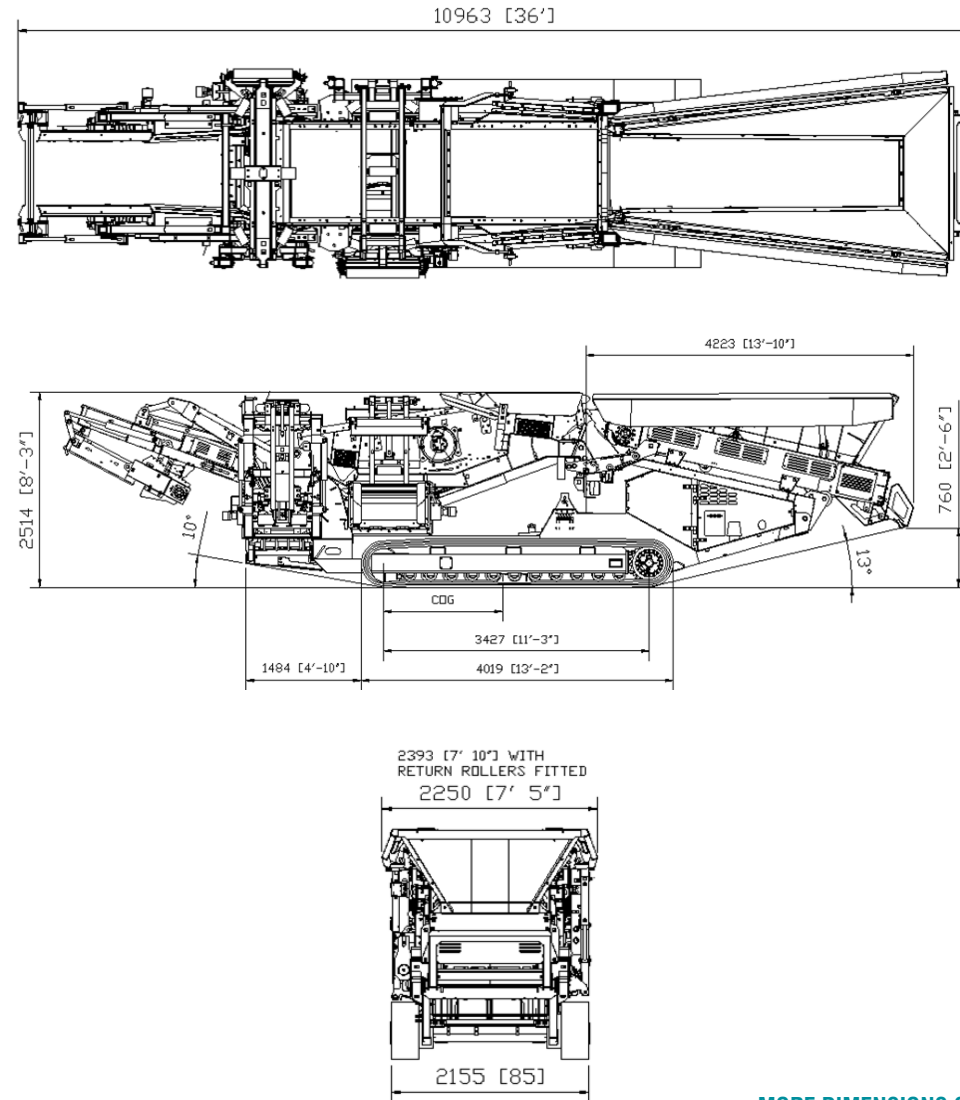


WARRIOR 1200



DIMENSIONS

Figure 1: Warrior 1200
Transport Position



MORE DIMENSIONS OVERLEAF

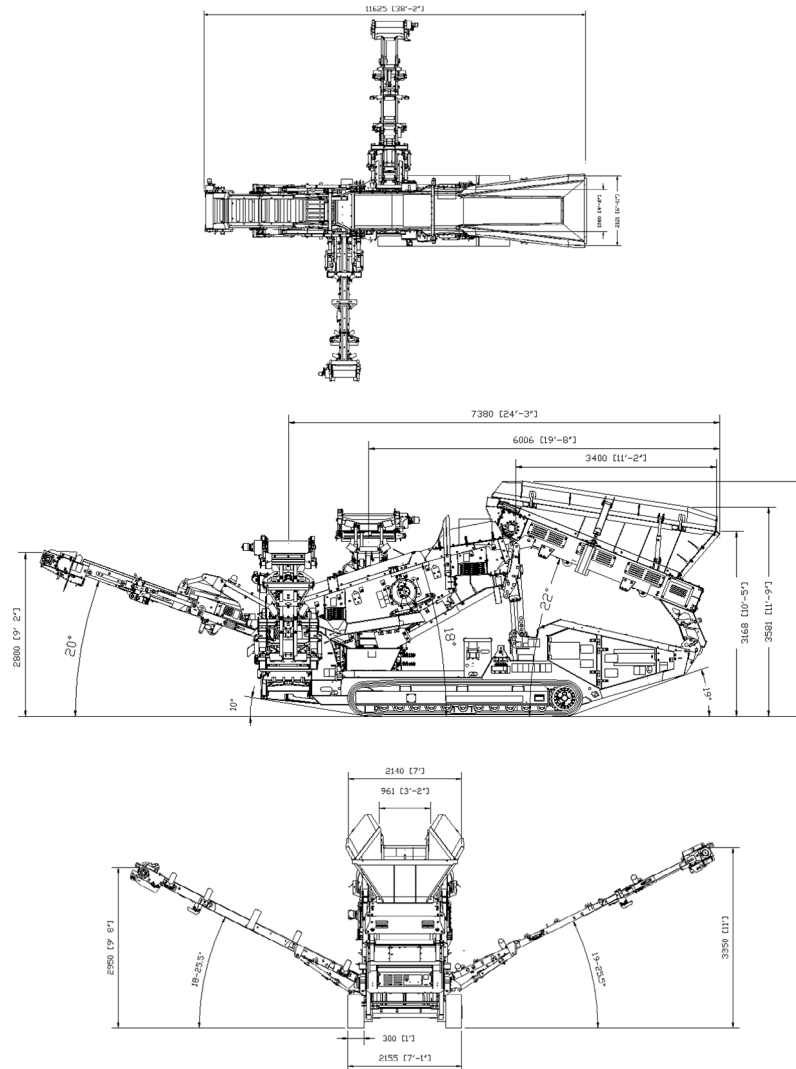


WARRIOR 1200



DIMENSIONS

Figure 2: Warrior 1200
Working Position



MORE DIMENSIONS OVERLEAF

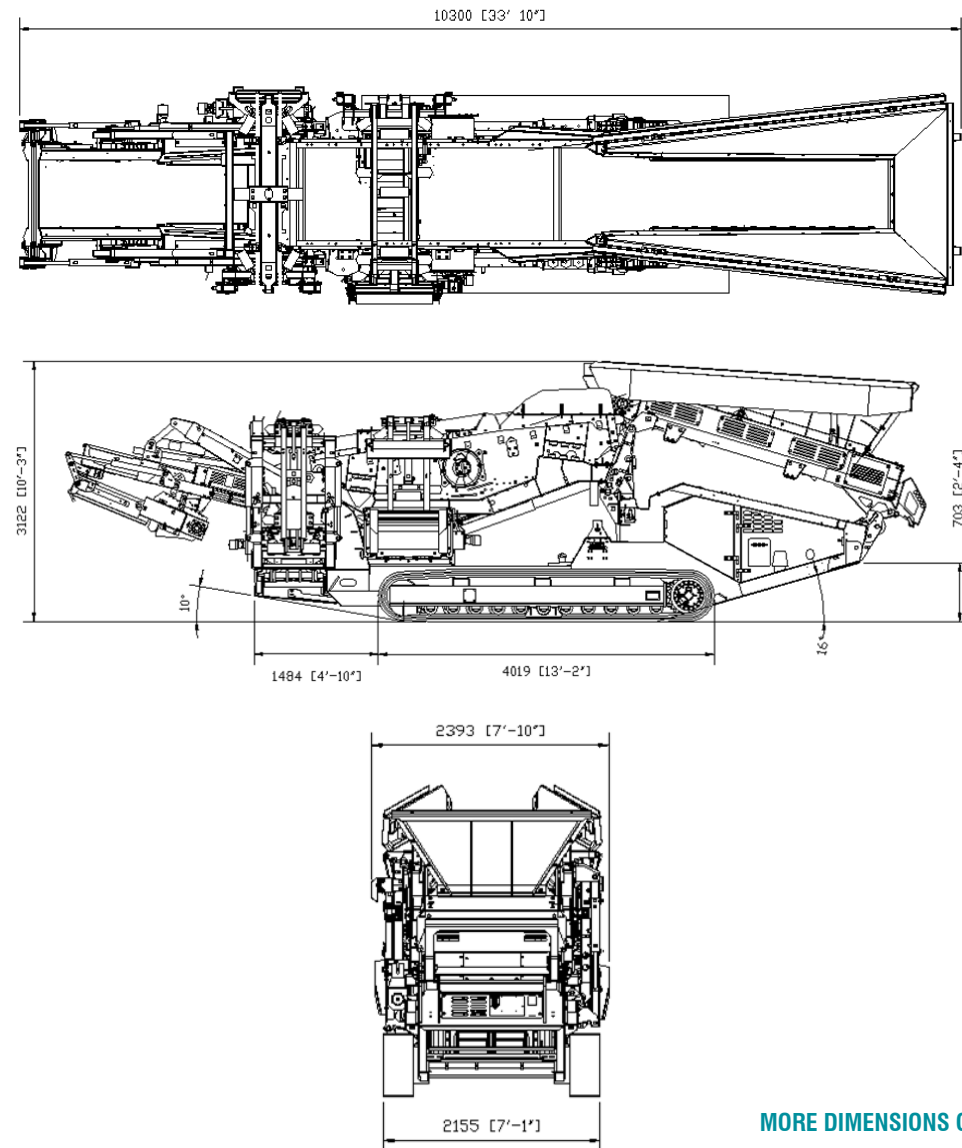


WARRIOR 1200



DIMENSIONS

Figure 3: Warrior 1200
Short Version Transport Position



MORE DIMENSIONS OVERLEAF

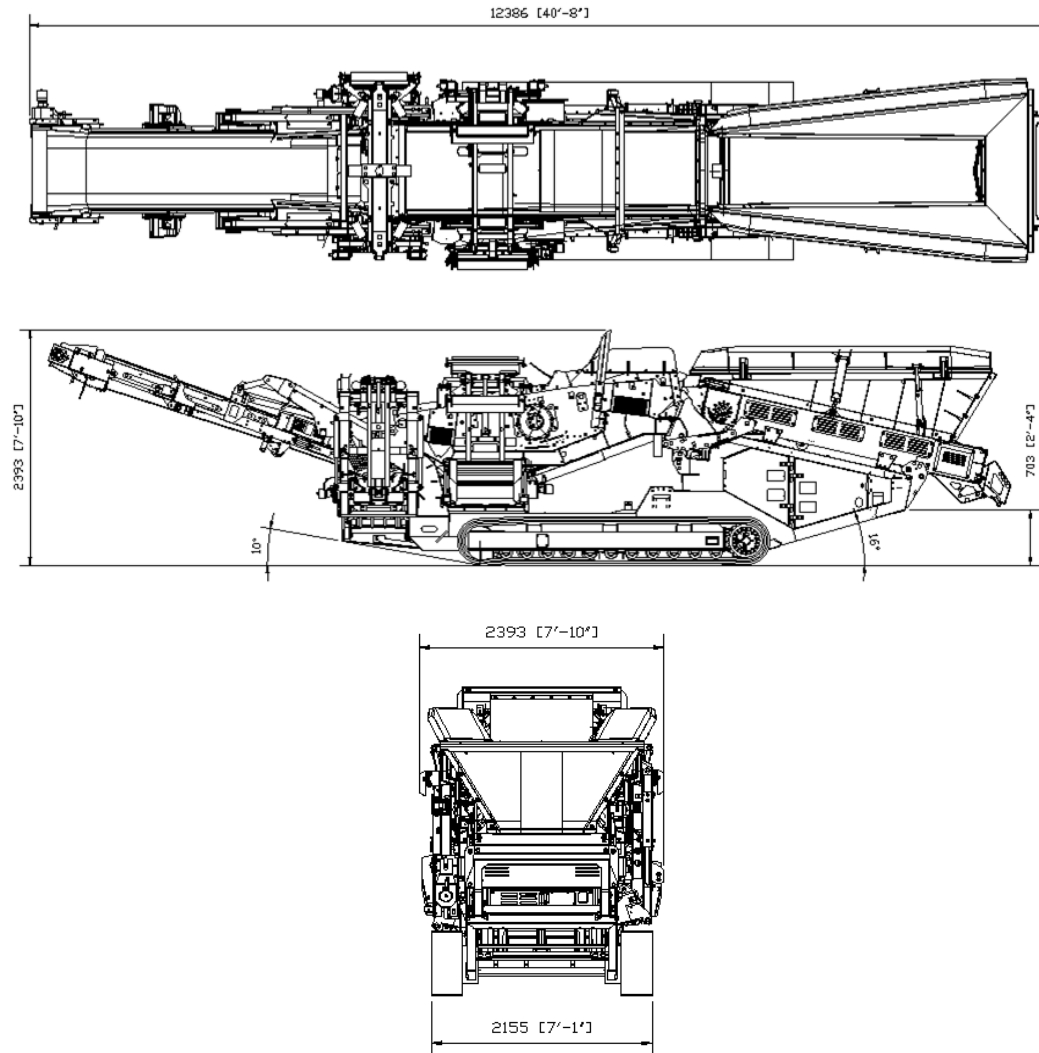


WARRIOR 1200



DIMENSIONS

Figure 4: Warrior 1200
Tail Conveyor, Hopper Extensions, Screen Blanket Not Folded
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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APPENDIX 1 - ENGINE OPTIONS – Powerunit options that may be fitted in place of technical specification offering subject to availability

Screens – Tier 4 Final

CAT C4.4 82kW (110hp) @ 2200rpm as per Chieftain 1400, Chieftain 1500, Chieftain 2100X 2 deck, Chieftain 2200 2 deck and Warrior 1800

Option 1.) CAT C3.6 82kW (110hp) @ 2200rpm

Option 2.) CAT C4.4 102kW (137hp) @ 2200rpm

CAT C4.4 98kW (131hp) @ 2200rpm as per Chieftain 2100X 3 deck and Chieftain 2200 3 deck

Option 1.) CAT C4.4 102kW (137hp) @ 2200rpm

CAT C4.4 82kW (110hp) @ 1800rpm as per Chieftain 1700X and Warrior 1400X

Option 1.) CAT C3.6 82kW (110hp) @ 1800rpm

Option 2.) CAT C4.4 98kW (131hp) @ 1800rpm

Screens – Stage V

CAT C4.4 102kW (137hp) @ 2200rpm as per Chieftain 1400, Chieftain 1500, Chieftain 2100X, Chieftain 2200 and Warrior 1800

Option 1.) CAT C3.6 82kW (110hp) @ 2200rpm

Option 2.) JCB 4.8 81kW (109hp) @ 2200rpm

Option 3.) JCB 4.8 97kW (130hp) @ 2200rpm

Option 4.) Deutz TD3.6 100kW (134hp) @ 2200rpm

CAT C4.4 98kW (131hp) @ 1800rpm as per Chieftain 1700X, Warrior 1400X and Warrior 2100

Option 1.) CAT C3.6 82kW (110hp) @ 1800rpm

Option 2.) CAT C4.4 98kW (131hp) @ 1800rpm

Option 3.) JCB 4.8 80kW (108hp) @ 1800rpm

Option 4.) Deutz TD3.6 92kW (123hp) @ 1800rpm

