

POWERSCREEN® HORIZON 6203R

3 DECK HORIZONTAL SCREEN



TECHNICAL SPECIFICATION - REV 8. 01/01/2019





HORIZON 6203R



OVERVIEW

SPECIFICATION

Total weight	45,000kg (99,208lbs)
Transport	Length 18.99m (62' 4")
	Height 3.6m (11' 10")
	Width 3.2m (10' 6")
Working	Length 20.86m (68' 5")
	Height 4.64m (15' 3")
	Width 16.27m (53' 5")
Screenbox:	6.1m x 1.93m (20' x 6' 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 800 tph / 881 US tph (depending on media sizes & material type)
- Maximum feed size 250mm (10"). Maximum allowable feed size may vary depending on material type and screenbox media
- Quick set-up time
- Maximum mobility with heavy duty, low ground pressure crawler tracks
- Removable heavy duty pendant remote control system
- Optional radio control system available if required
- High performance hydraulics system
- Galvanised maintenance platforms on both sides of screen
- Hydraulically folding for transport
- Heavy duty triple shaft horizontal screenbox with adjustable stroke, angle & speed
- Direct feed hopper with impact bars and rollers
- Recirculating oversize capacity tailored for crushing applications
- Roll-in chute system

APPLICATIONS



Aggregate

Sand & gravel
Blasted rock
River rock



Recycling

Top soil
C&D waste
Composed materials
Wood by-products
Overburden
Foundry waste



Mining

Processed ores
Processed minerals



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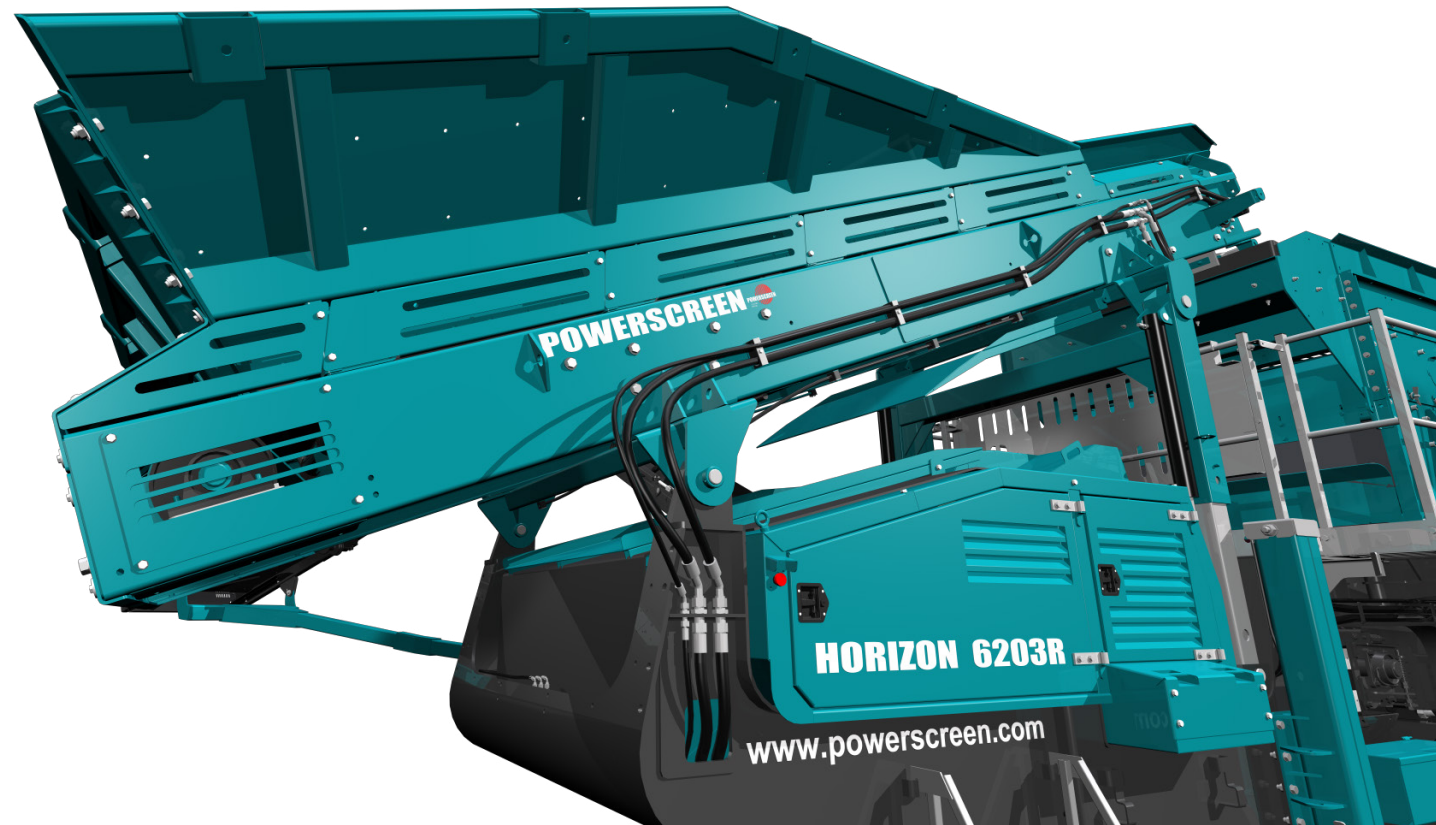
↓ HOPPER

Target area: 5.8m (19') long x 2.55m (8' 4") wide

Hopper capacity: 4.33m³ (5.67 cu. yd.)

Feed in height: 2.82m (9' 3")

Replaceable wear resistant steel panel liners



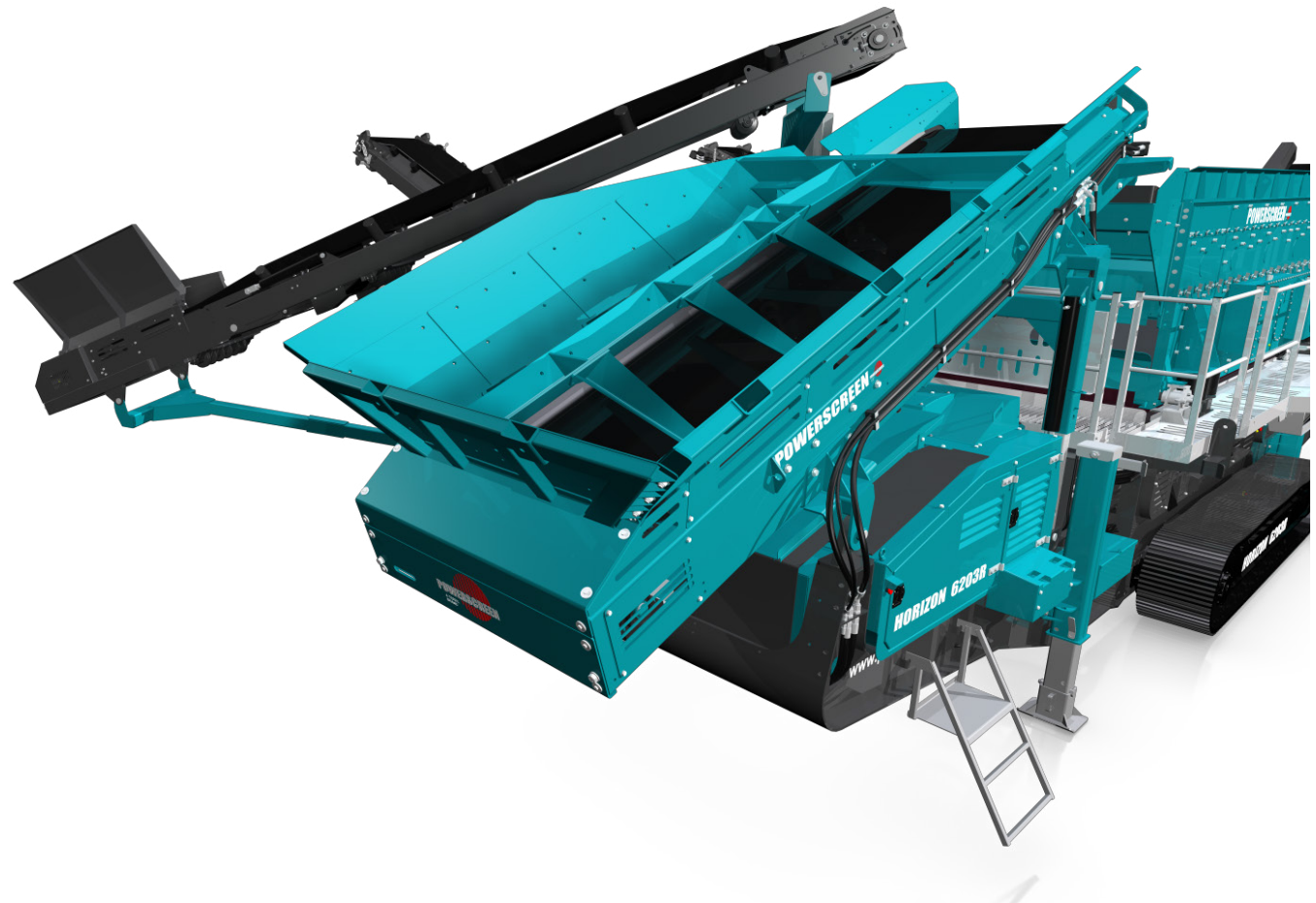


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BELT FEEDER

- 1300mm (4' 3") 4 ply plain trough belt
- Direct drive system with twin direct gearboxes
- Variable speed control
- Impact bars at inlet impact section
- Heavy duty belt feeder option available





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SCREENBOX

6.1m x 1.93m (20' x 6' 4") All 3 decks
3 deck triple shaft horizontal screenbox
Oval stroke adjustable up to maximum of 19mm
Oval stroke angle adjustable from 30° - 60°

Breaker-box with wear resistant steel replaceable wearplate
Hi-torque screen motor mounted direct to screenbox
Pulley driven
Marshmallow springs
Wear plates on pipeunits
Side tensioned all decks
Quick release wedge tensioning system (optional depending on screen media)

Roll-in chute system with removable panels
offering blending options between upper midsize & lower midsize





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↓ POWER UNIT & HYDRAULICS

Engine Tier 3 Equivalent: Tier 3 / Stage IIIA - CAT C6.6
Performance: 151 kW (202hp) @ 2200rpm

Engine Tier 4F / Stage IV: Tier 4F/ Stage IV CAT C7.1
Performance: 151 kW (202hp) @ 2200rpm

Tank capacity
Fuel: 597 L (158 US Gal)
Hydraulic Oil: 780 L (206 US Gal)

Pumps
Flywheel pump: Cast iron quad 63/63/32/32cc/rev
PTO pump: Cast iron tandem 29/29cc/rev

Motors
Belt feeder: 80cc/rev x 2
Under screen conveyor: 630cc/rev
Finessize conveyor: 500cc/rev
Upper midsize conveyor: 500cc/rev
Lower midsize conveyor: 500cc/rev
Oversize conveyor: 400cc/rev
Screen: 93cc/rev bent axis
Auxiliary conveyor: 500cc/rev





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↓ TRACKS

Track width: 500mm (1'8")

Sprocket centres: 3836mm (12' 7")

Gradability degrees: 26°

Two speed tracks

High: 1.1kph (0.68mph)

Low: 0.55kph (0.34mph)

Flow rate: 134 Lpm





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CONVEYORS - UNDERSCREEN

UNDERSCREEN CONVEYOR

1500mm (4' 11") 3 ply plain belt

Direct drive system

Variable speed control

Drum centres: 6.25m (20' 6")

Drum diameter (drive): 270mm (10.6")

Drum diameter (tail): 270mm (10.6")



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CONVEYORS - SIDE CONVEYORS

FINESIZE - SIDE CONVEYOR

900mm (2' 11") 3 ply plain belt

Angle adjustment:

14° - 25°

Stockpile height:

4.3m (14' 1")

Stockpile capacity:

119m³ (156 cu. yd.)

Hydraulically folding

Impact bars under feedboot

Direct drive system

Variable speed control

Drum centres: 9.5m (31' 2")

Drum diameter (drive): 286mm (11.3")

Drum diameter (tail): 203mm (8")

MID-FINESIZE - SIDE CONVEYOR

900mm (2' 11") 3 ply plain belt

Angle adjustment:

14° - 25°

Stockpile height:

4.4m (14' 5")

Stockpile capacity:

129m³ (166 cu. yd.)

Hydraulically folding

Impact bars under feedboot

Direct drive system

Variable speed control

Drum centres: 8.92m (29' 3")

Drum diameter (drive): 286mm (11.3")

Drum diameter (tail): 203mm (8")

OVERSIZE - SIDE CONVEYOR

900mm (2' 11") 3 ply plain belt

Angle adjustment:

14° - 25°

Stockpile height:

4.4m (14' 5")

Stockpile capacity:

128m³ (167 cu. yd.)

Wear resistant steel lined feed chute

Direct drive system

Variable speed control

Hydraulically folding

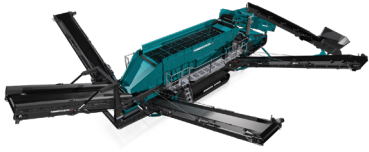
Impact bars under feedboot

Drum centres: 6.9m (22' 8")

Drum diameter (drive): 286mm (11.3")

Drum diameter (tail): 270mm (10")





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CONVEYORS - TAIL & CROSS CONVEYOR

MID-OVERSIZE - TAIL CONVEYOR

900mm (2' 11") 3 ply plain belt

Angle adjustment:

14° - 25°

Stockpile height:

4.3m (14' 1")

Stockpile capacity:

119m³ (156 cu. yd.)

Hydraulically folding

Impact bars under feedboot

Direct drive system

Variable speed control

Drum centres: 9.5m (31' 2")

Drum diameter (drive): 286mm (11.3")

Drum diameter (tail): 203mm (8")

MID-OVERSIZE - TAIL CONVEYOR

800mm (2' 7") 3 ply plain trough belt

Hydraulic slide to enable screen mesh access

Variable speed control

Drum centres: 1.92m (6' 4")

Drum diameter (drive): 223mm (8.8")

Drum diameter (tail): 203mm (8")





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CONVEYORS - RECIRCULATING

900mm (2' 11") 3 ply chevron belt

Drum centres: 5.83m (19' 2")

Drum diameter (drive): 286mm (11.3")

Drum diameter (tail): 270mm (10")

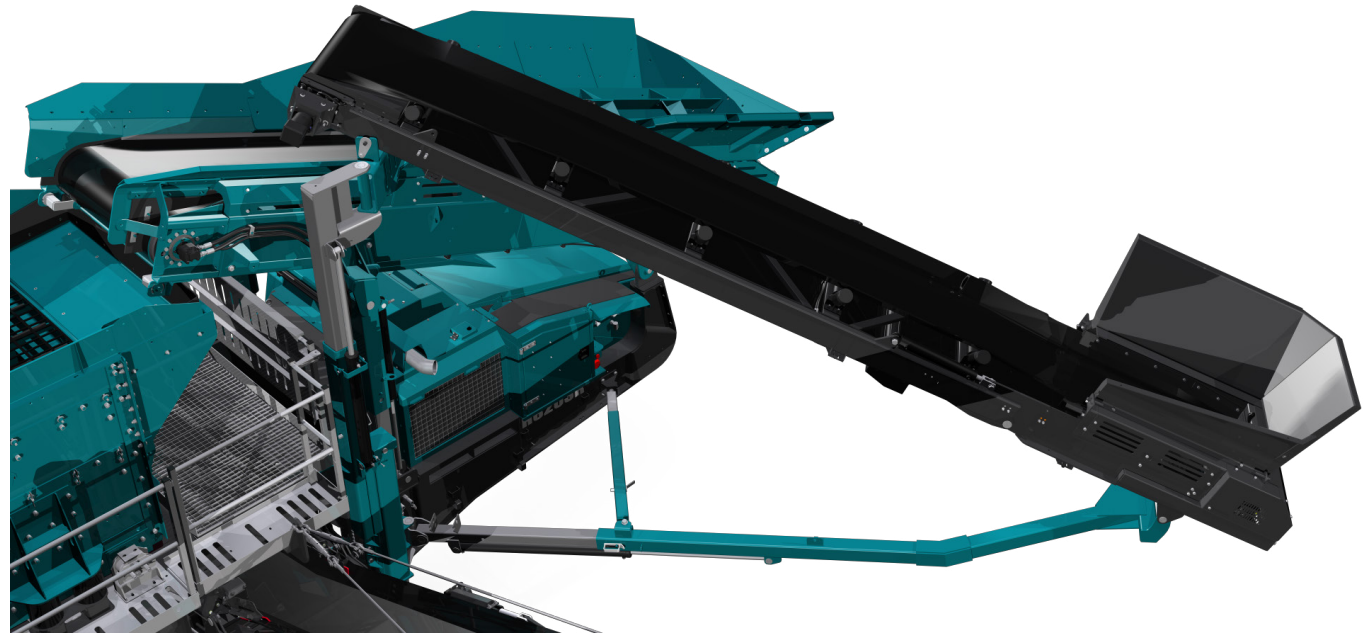
Used to transfer return product from recirculating crusher back to feeder

Mounted directly to chassis, site mobile

Swivel mounting to suit variety of crushers and enable tracking on site

Direct drive system

Variable speed control





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OTHER OPTIONS

OTHER OPTIONS

- Custom colour machine
- Auto lubrication system
- Radio controlled tracking
- Wear resistant or mild steel punch plate screens
- Roll-in bogie transport system
- Chevron belts
- Hydraulic oil grade 68
- Powerscreen Pulse
- Hinged chute system offering blending options between lower midsize & finesize
- Dual Power System c/w 4.2m (13' 9") track, IE3 Electric motors 75kW (100hp) and 55kW (73hp), diesel engine and integrated control system controlling either diesel-hydraulic or electric-hydraulic functions.



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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

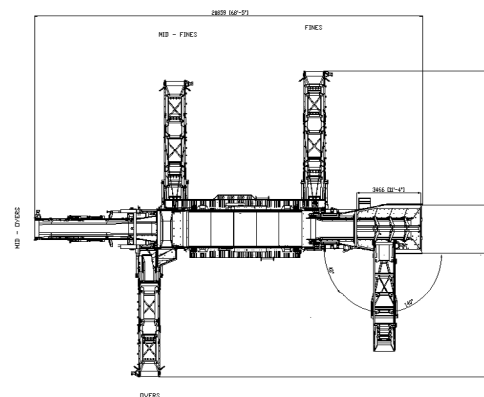
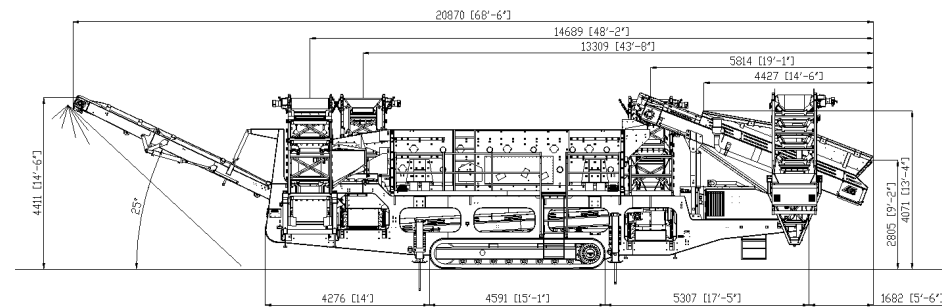
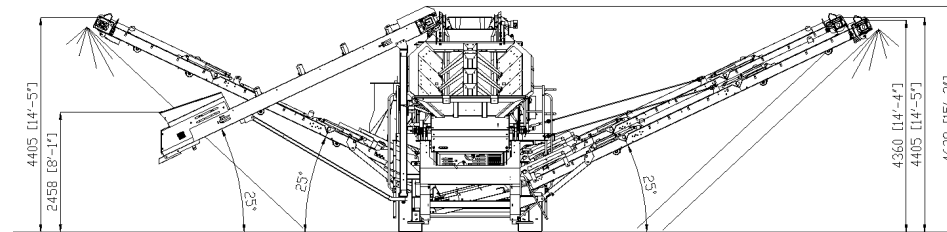


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DIMENSIONS

Figure 1: Horizon 6203R
Working Position



[MORE DIMENSIONS OVERLEAF](#)

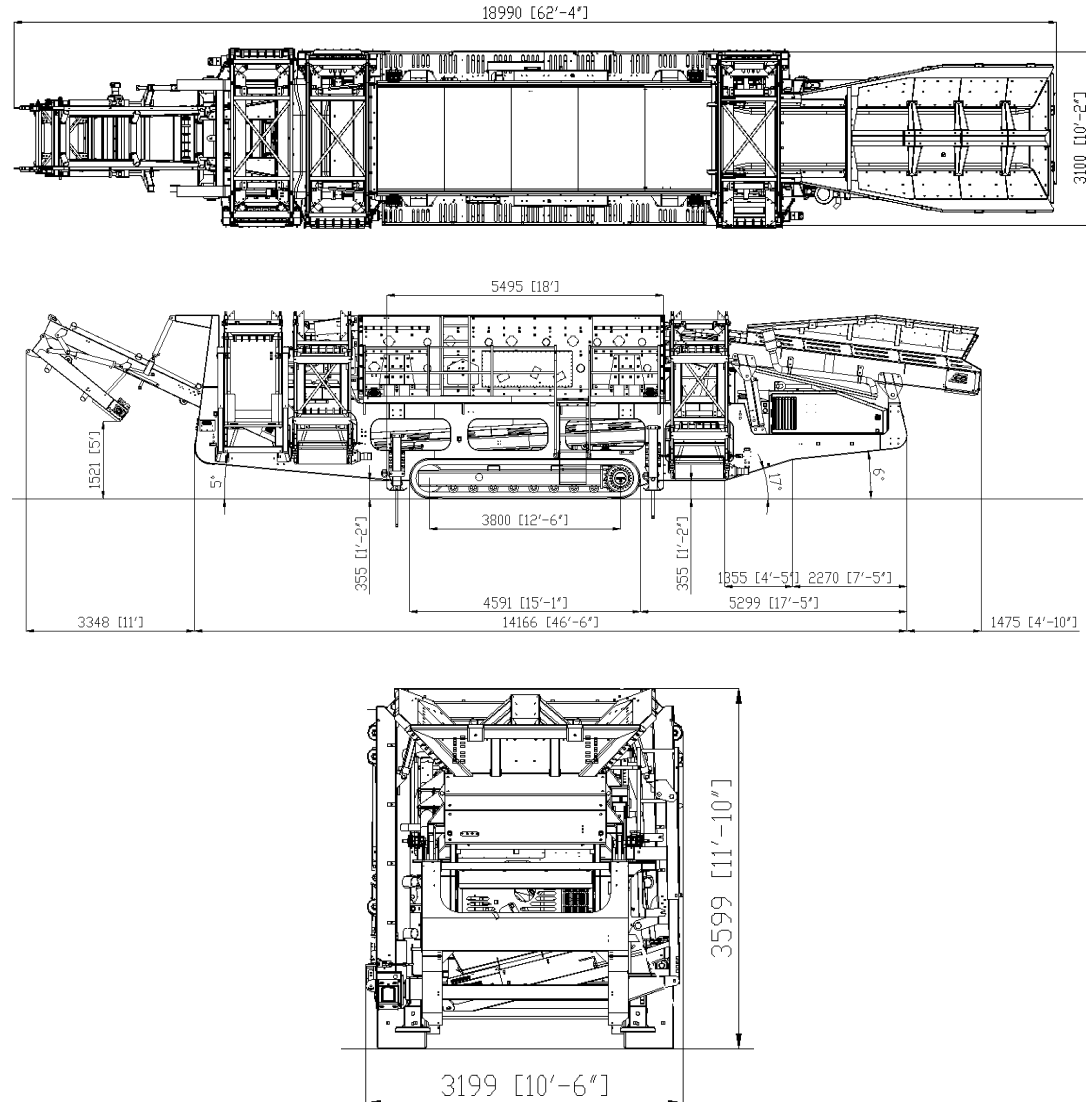


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DIMENSIONS

Figure 2: Horizon 6203R
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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