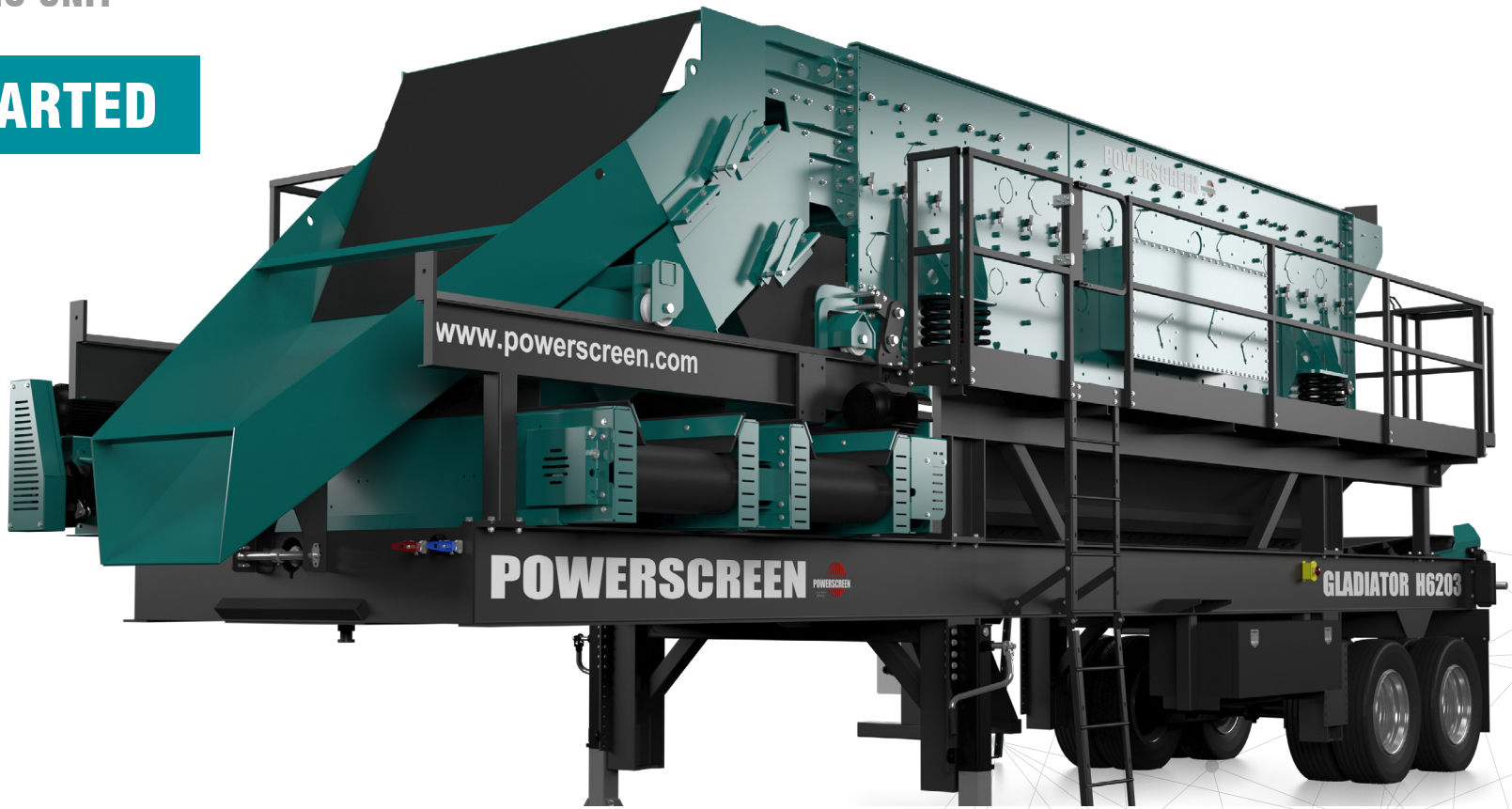
POWERSCREEN®
GLADIATOR H6203

WHEELED ELECTRIC UNIT

GET STARTED



MADE IN THE USA

TECHNICAL SPECIFICATION - REV 0 01/10/2020

To use my interactive features I need to be opened in 'Adobe Acrobat Reader' click here to download



GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

OVERVIEW

SPECIFICATION

Transport	**Length**	42’ 2” (12.85m)
	Height	13’ 6’’ (4.12m)
	Width	12’ (3.66m)
Working	**Length**	42’ 2” (12.85m)
	Height	13’ 6” (4.12m)
	Width	12’ (3.66m)
Screenbox:		20’ x 6’ 4’’ (6.1m x 1.93m)
Plant Colour		RAL 5021, RAL 7024

Total Weight:	54,250lbs (24,607kg)
Axle Load:	30,500lbs (24,607kg)
King Pin Load:	23,750lbs (24,607kg)

The Gladiator H6203 is a new, electrically driven, wheeled horizontal screening plant which offers excellent screening and blending capabilities.

It features the tried and tested Terex Cedarapids 20’ x 6’ heavy duty, triple shaft oval stroke screenbox which is chassis mounted on wheels - meaning ease of movement and quick set up.

The Gladiator H6203 is a rugged and heavy duty screening system, with many patented and patent pending features. The unit is fully electrically driven using Powerscreen Hybrid technology which makes it the ideal solution in areas where there are strict environmental regulations.

.

FEATURES & BENEFITS

- High capacity up to 881 US tph / 800 tph (depending on media sizes & material type).
- Maximum feed size 10’’ (250mm). Maximum allowable feed size may vary depending on material type and screenbox media.
- Quick set-up time.
- Maintenance platforms on both sides of screen.
- Extended walkway on the RHS with screen motor stepover for improved health and safety.
- Heavy duty triple shaft horizontal screenbox with adjustable stroke, angle & speed.
- Multiple blending chute options to ensure versatility.
- E-Stops on both sides of the unit.
- Optional Honda powerunit for hydraulic options such as hydraulic chutes or hydraulic jacking legs.

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



GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

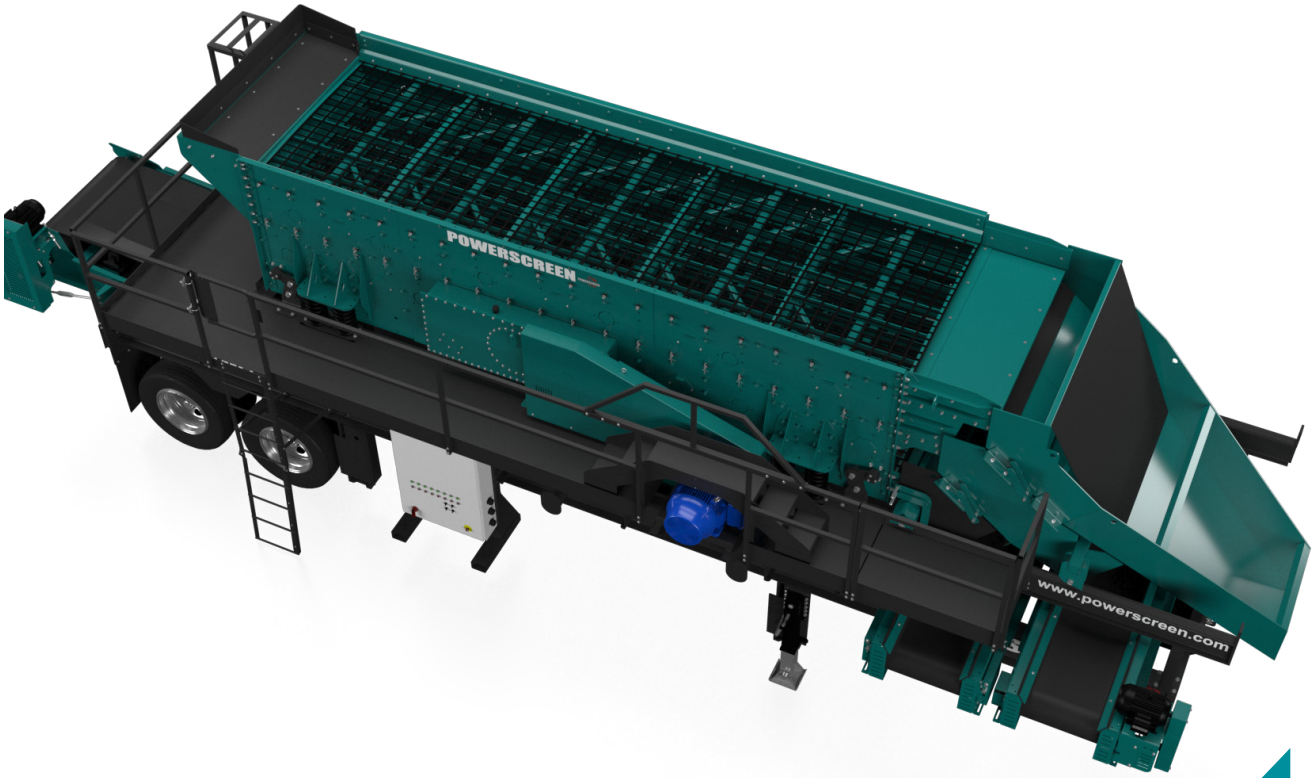
SCREENBOX

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

Breaker-box with wear resistant steel replaceable wearplate
Hi-torque screen motor mounted direct to
Screenbox, pulley driven
Steel springs
Wear plates on pipeunits

Side tensioned all decks
Quick release wedge tensioning system
(optional depending on screen media)

Roll-in chute system
40hp (30kW), 1800rpm screen motor





GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

UNDERSCREEN CONVEYOR

Belt Width: 48'' (1220mm)
Drum Centes: 30' 3'' (9220mm)
Belt Type: Plain
Belt Spec: 3 Ply 330 PIW
Max Speed: 310 ff/min (95 m/min)
Discharge Height: 5' 4'' (1.63m)
Stockpile Capacity: 8.5 yd^3 (6.5m^3)
Motor: 7.5hp (5.6kW)
Fixed angle
Flexco TM scraper

UNDERSCREEN HOPPER

Manufactured from 6mm (1/4'') mild steel
Adjustable rubber flashing





GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

CROSS CONVEYORS

Belt Width: 760mm (30'')
Drum Centes: 3175mm (10' 5'')
Belt Type: Plain
Belt Spec: 3 Ply 330 PIW
Max Speed: 105 m/min (345 ff/min)
Discharge Height: 6' (1830mm)
Motor: 7.5hp
Reversible as standard with Switchgear





GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

BOGIE

Type: Heavy duty tandem walking beam suspension
Size: 8 of 11R X 22.5 radial tyres
No of Axles: 2
No of Studs: 10
Brakes: Air



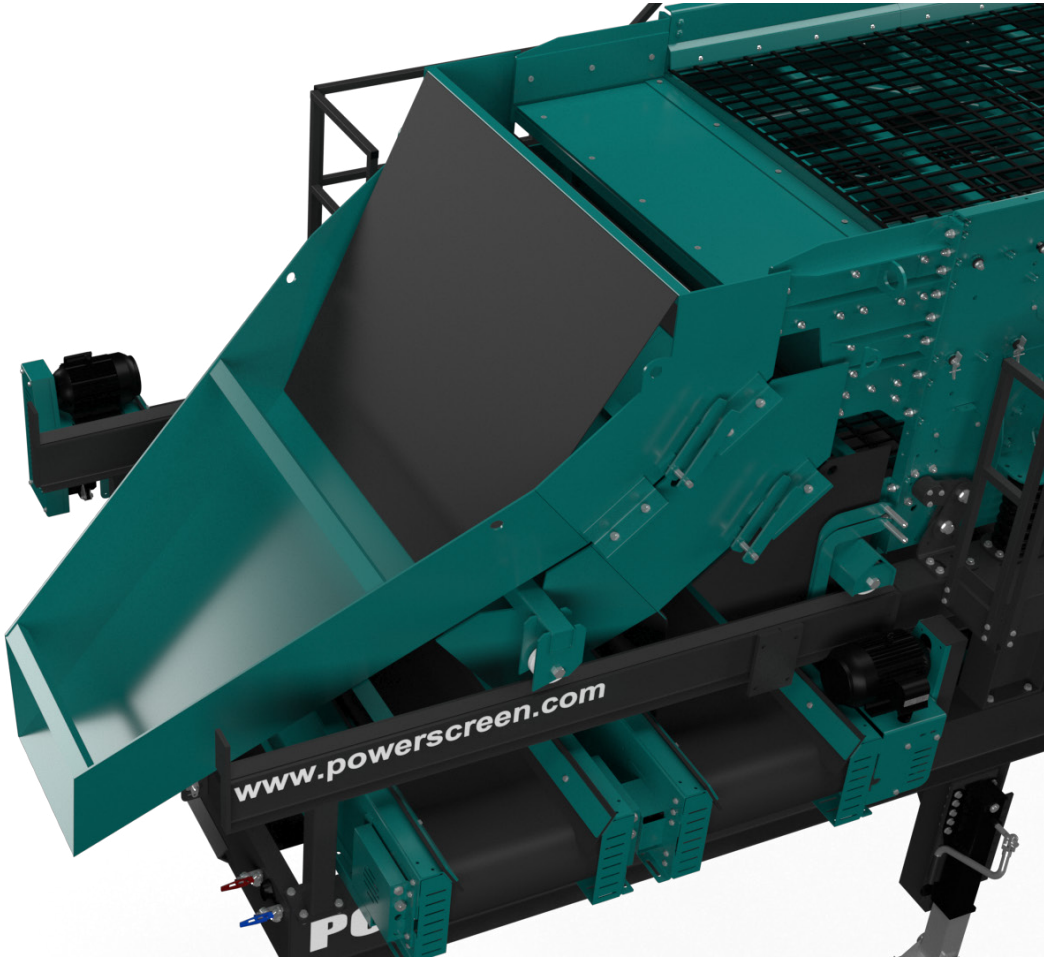


GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

CHUTES

Fabricated from 10mm (3/8'') AR steel
Roll away for ease of mesh change and serviceability
4 blending gates per deck
Hydraulic roll away option (requires Gas engine or hydraulic jacking legs)





GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

OTHER

EXTERNAL POWER REQUIREMENTS

460V (575V Option if required)
3 Phase
60 Hz

	Power
Screenbox	40hp (30kW)
Underscreen Conveyor	7.5hp (5.6kW)
Cross Conveyor x 2	7.5hp (5.6kW) x 2
Total Power Required	62.5hp (47kW)

TOOLBOX

48'' (1220mm) long
Lockable lid
LHS of plant

JACKING LEGS

Crank jacks as standard x 2

PLATFORMS

Fabricated folding access ladders x 2
Self closing gates x 2
Rear box for screen mesh clamps
RH side extended platform for easy mesh change
Screen motor step over for ease of access and egress



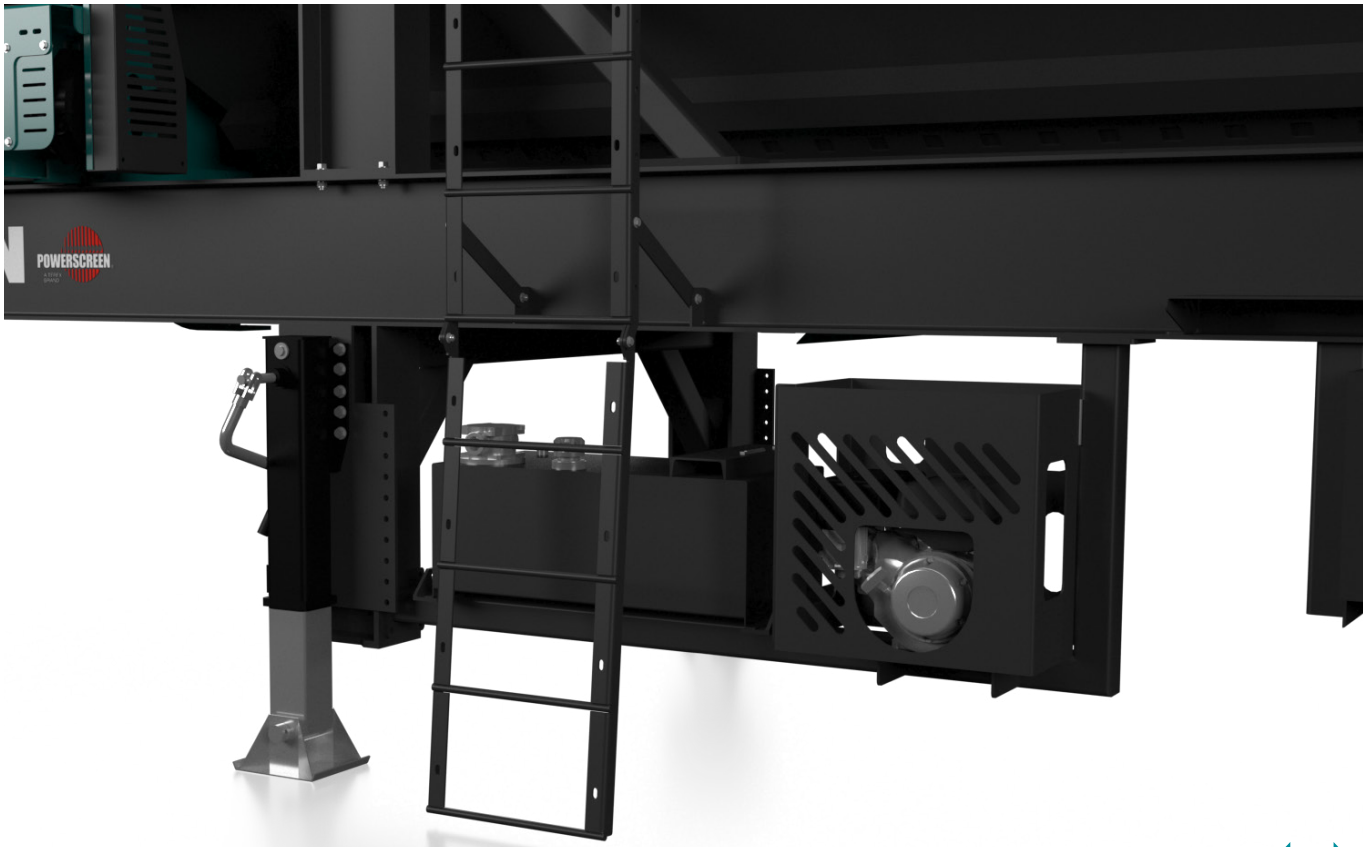


GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

OPTIONS

- Manual button switchgear panel - NEMA 4 enclosure, NEMA components, breaker, reversing starters for cross conveyors, three position start/ stop push buttons, mains disconnect, emergency stop, 3 x extra starters. Includes panel stand but no lead cord.
- 100ft lead cord - to connect panel to power source
- Add hydraulics to roll away chutes - 13hp Honda powerunit
- 4 no of 6'' x 16'' levelling hydraulic jacks & 13hp Honda powerunit - *only if hydraulic roll away chutes are not selected*
- 4 no of 6'' x 24'' run on hydraulic jacks & 13hp Honda powerunit - *only if hydraulic roll away chutes are not selected*
- 2 no of additional crank jacks
- Safety tie off cable to keep power clear of the screen



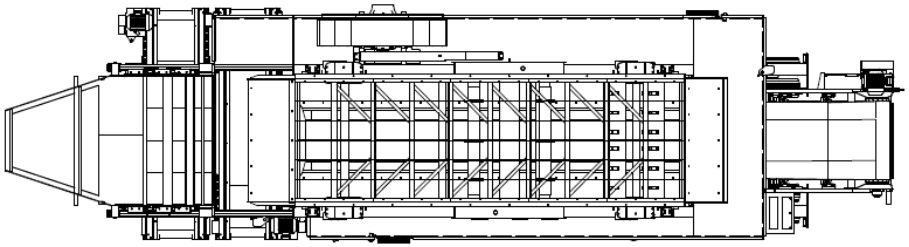


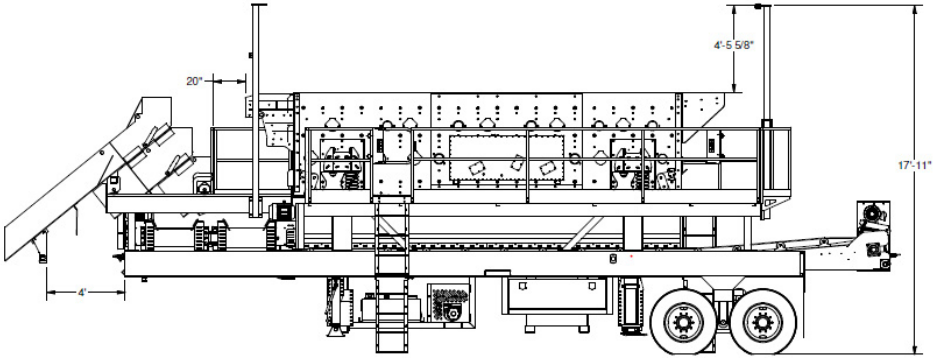
GLADIATOR H6203

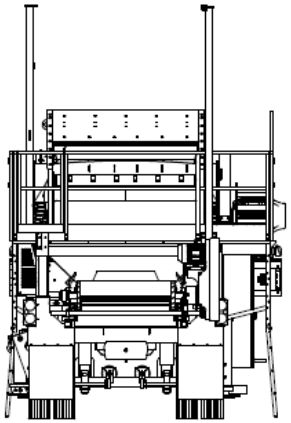
- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

DIMENSIONS

Figure 1: Gladiator H6203
Working Position - Safety Tie Off Included







MORE DIMENSIONS OVERLEAF

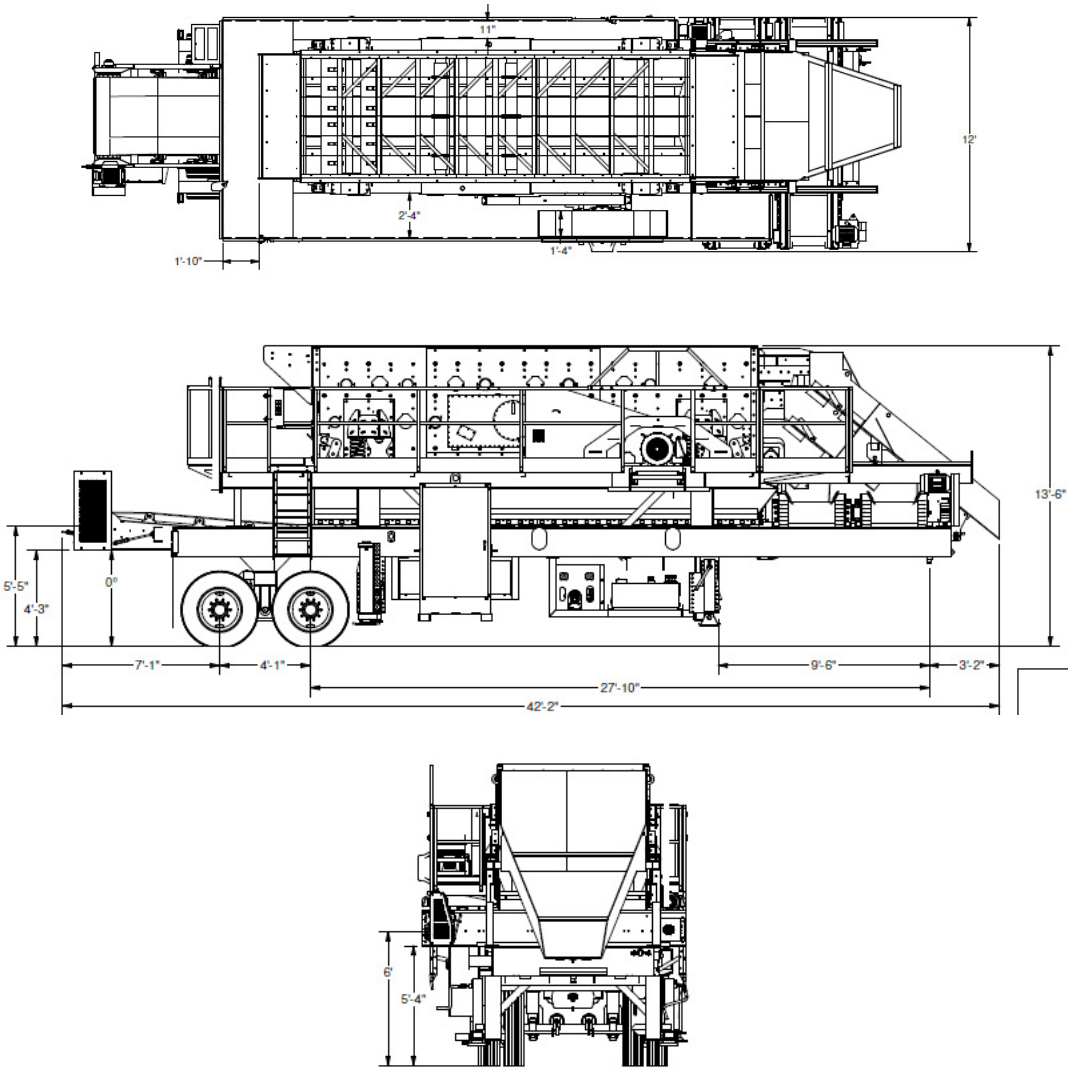


GLADIATOR H6203

- OVERVIEW
- SCREENBOX
- UNDERSCREEN CONVEYOR
- CROSS CONVEYORS
- BOGIE
- CHUTES
- OTHER
- OPTIONS
- DIMENSIONS

DIMENSIONS

Figure 2: Gladiator H6203
Transport Position - Safety Tie Off Included



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.

GET IN TOUCH

Dungannon
200 Coalisland Road, Dungannon,
Co Tyrone, BT71 4DR, Northern Ireland
Tel: +44 (0) 28 87 718 500
Fax: +44 (0) 28 87 747 231

Louisville
11001 Electron Drive,
Louisville, Kentucky, 40299 USA
Tel: +1 502 736 5200
Fax: +1 502 736 5202

www.powerscreen.com