

POWERSCREEN® GLADIATOR H6203

PORTABLE ELECTRIC SCREENING PLANT



TECHNICAL SPECIFICATION - REV 1 01/01/2022





GLADIATOR H6203



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 (13,835kg)		
King Pin Load: 23,750lbs (10,773kg)		

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, 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



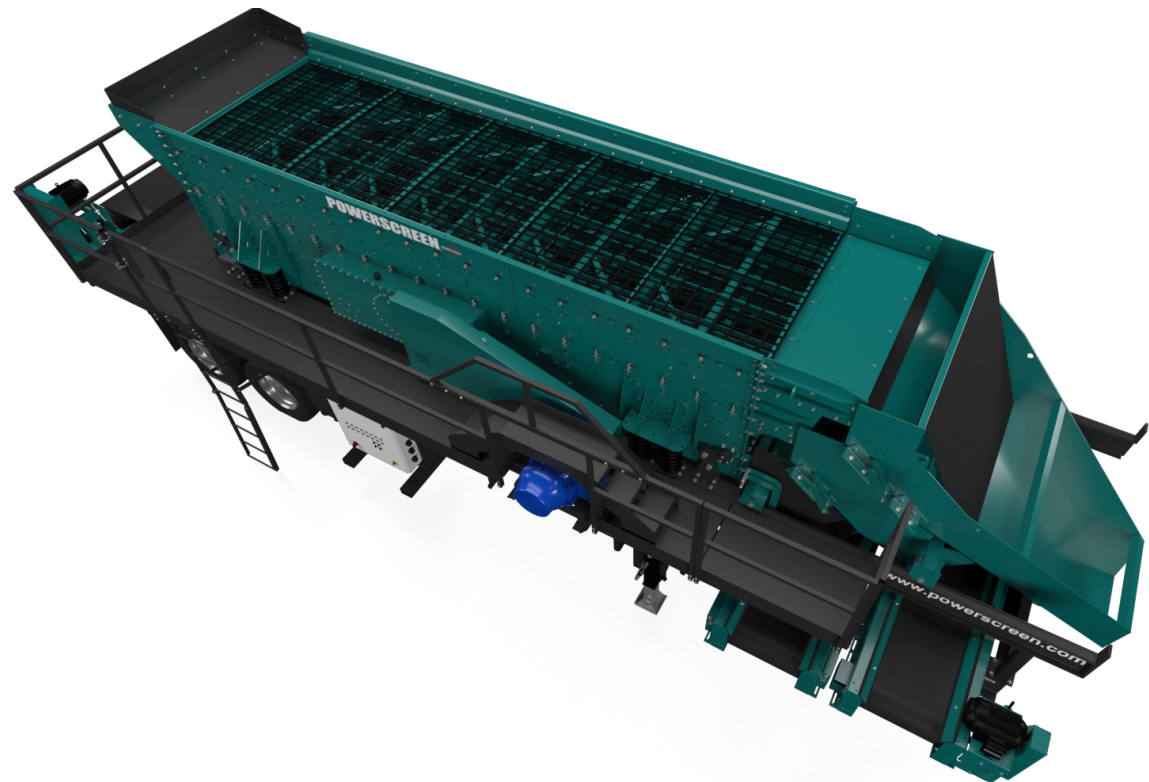
↓ SCREENBOX

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 30° - 60°

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), 1200rpm screen motor





GLADIATOR H6203



UNDERSCREEN CONVEYOR

Belt Width:	48" (1200mm)
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



↓ CROSS CONVEYORS

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





GLADIATOR H6203



BOGIE

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



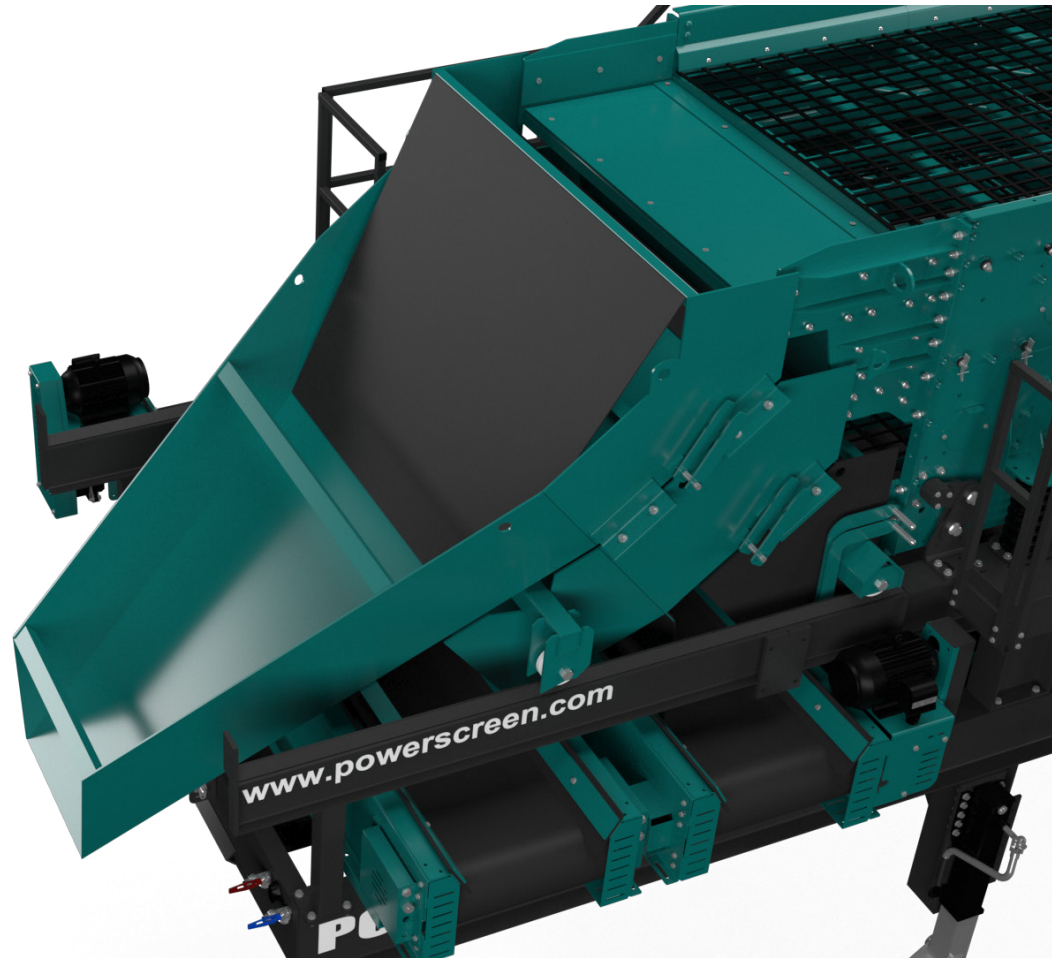


GLADIATOR H6203



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



OTHER

EXTERNAL POWER REQUIREMENTS

460V
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



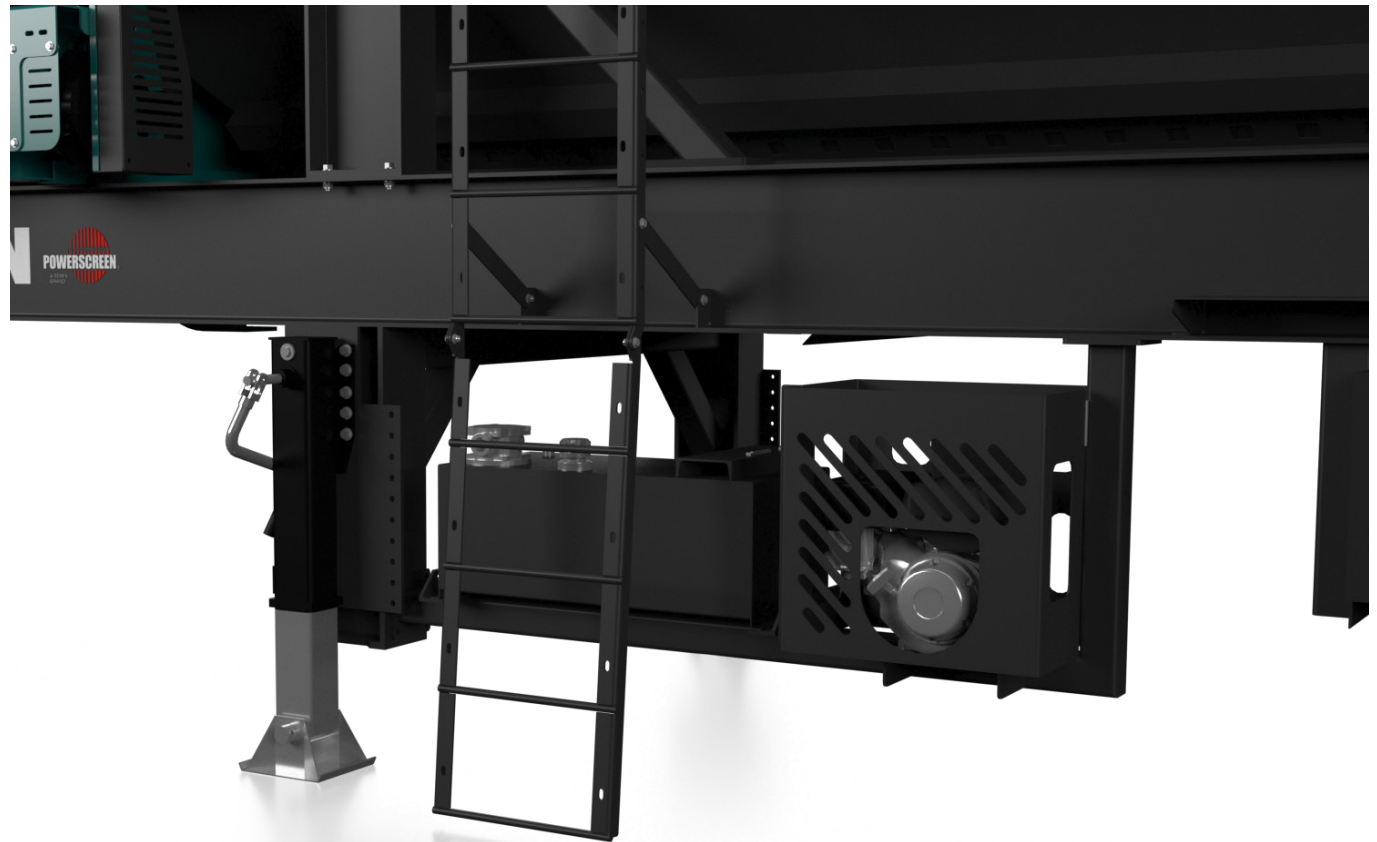


GLADIATOR H6203



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, 4 x extra starters. Includes panel stand but no lead cord.
- High spec panel including above in addition to quick release plugs and external interlocking
- 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
- 4 no of 6" x 24" run on hydraulic jacks & 13hp Honda powerunit
- 2 no of additional crank jacks
- Safety tie off cable to keep power clear of the screen



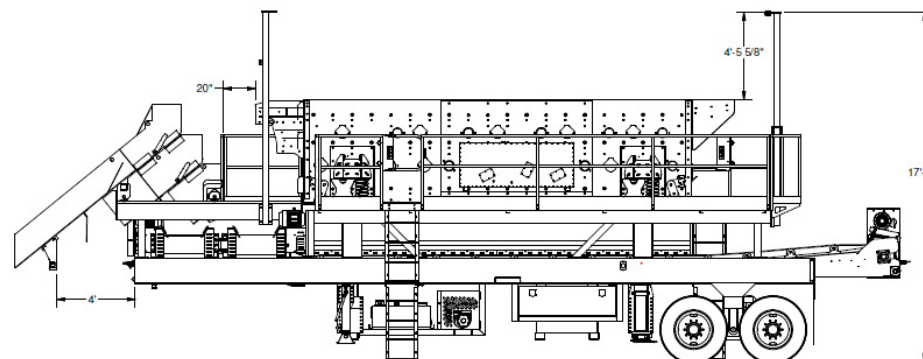
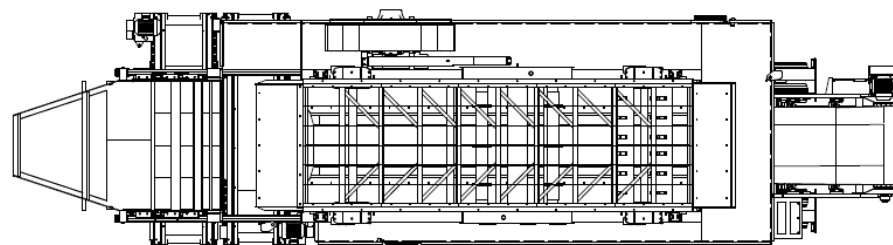


GLADIATOR H6203

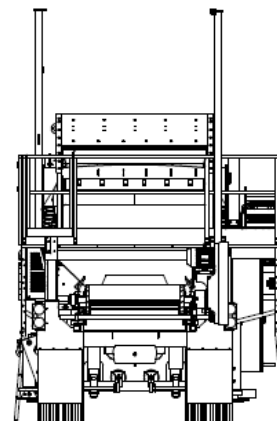


DIMENSIONS

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



Total Weight: 54,250lbs (24,607kg)
Axle Load: 30,500lbs (13,835kg)
King Pin Load: 23,750lbs (10,773kg)



MORE DIMENSIONS OVERLEAF

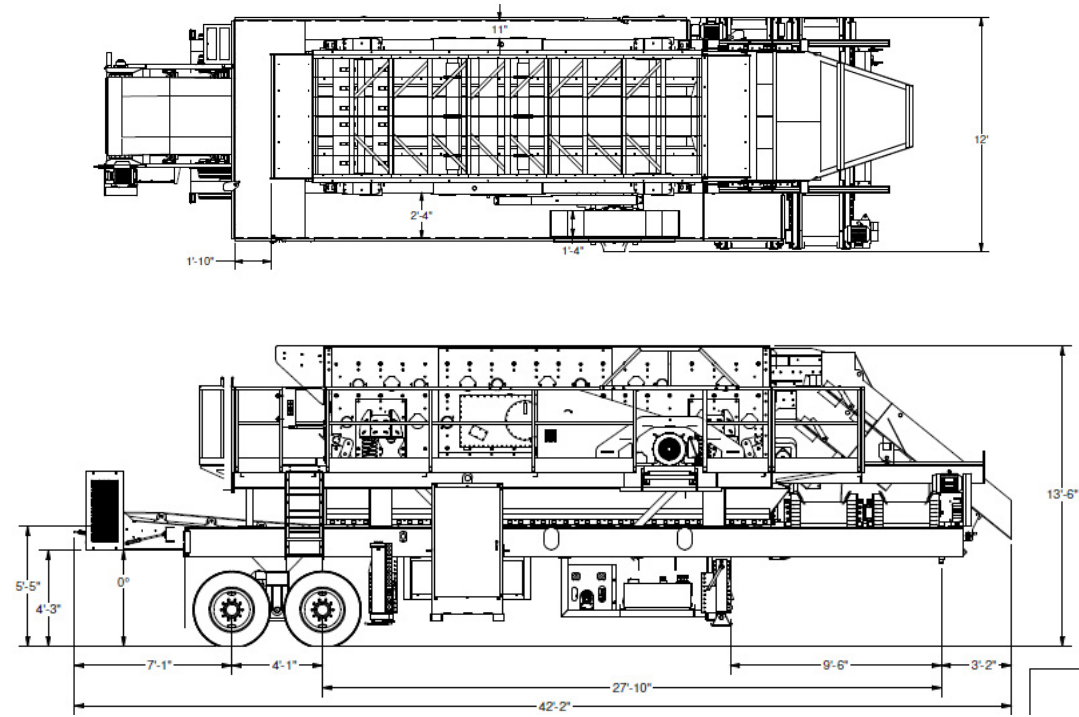


GLADIATOR H6203

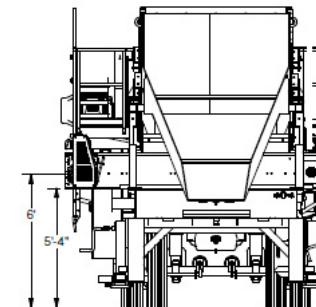


DIMENSIONS

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



Total Weight: 54,250lbs (24,607kg)
Axle Load: 30,500lbs (13,835kg)
King Pin Load: 23,750lbs (10,773kg)





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

