

# 623G Wheel Tractor Scraper

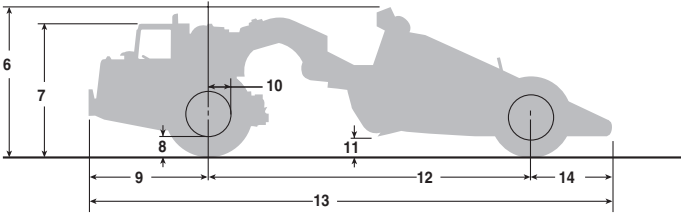
## Dimensions

All dimensions are approximate.



623G

1	Width – Overall Machine	3556 mm	140 in
2	Width – Tractor	3130 mm	123.2 in
3	Width – Rear Tire Center Lines	2180 mm	85.8 in
4	Width – Inside of bowl	2946 mm	116 in
5	Width – Outside Rear Tires	3048 mm	120 in
6	Height – Overall Shipping	3708 mm	146 in
7	Height – Top of Cab	3423 mm	134.8 in



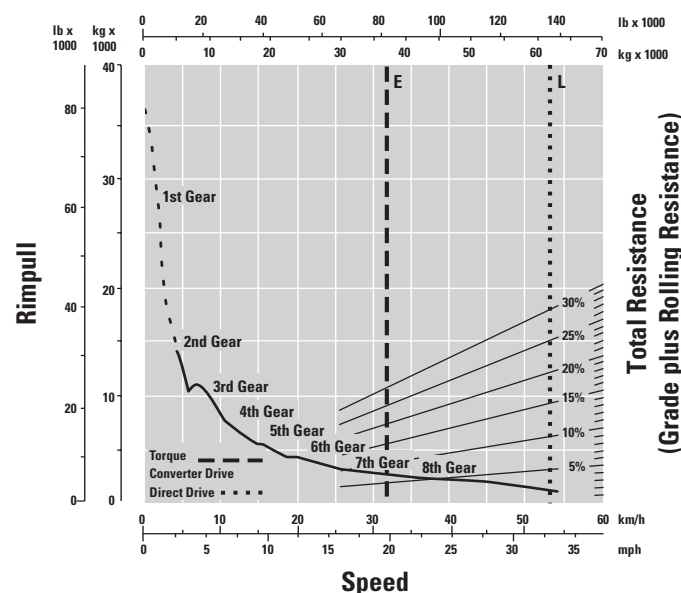
8	Ground Clearance, Tractor	553 mm	21.8 in
9	Front of Tractor to Front Axle	3058 mm	120.4 in
10	Rim Radius	432 mm	17 in
11	Height – Scraper Blade Max.	380 mm	15 in
12	Wheelbase	7976 mm	314 in
13	Length – Overall Machine	13 209 mm	520 in
14	Rear Axle to Rear of Machine	2176 mm	85.7 in

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## Gradeability/Speed/Rimpull

To determine gradeability performance: Read from gross weight down to the percent of total resistance. Total resistance equals actual percent grade plus 1% for each 9 kg/t (20 lb/ton) of rolling resistance. From this weight-resistance point, read horizontally to the curve with the highest obtainable gear, then down to maximum speed. Usable rimpull will depend upon traction available and weight on drive wheels.

**623G Tier 3 — Rimpull  
Standard Arrangement\***  
Gross Weight



- 1—1st Gear Torque Converter Drive
- 2—2nd Gear Direct Drive
- 3—3rd Gear Direct Drive
- 4—4th Gear Direct Drive
- 5—5th Gear Direct Drive
- 6—6th Gear Direct Drive
- 7—7th Gear Direct Drive
- 8—8th Gear Direct Drive

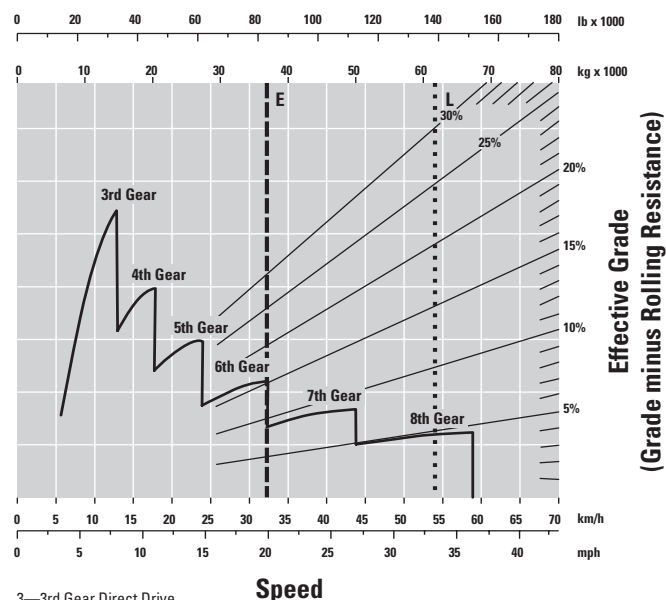
- E—Empty 36 830 kg (81,196 lb)
- ..... L—Loaded 62 135 kg (137,646 lb)

\* at sea level

## Retarding

To determine retarding performance: Read from gross weight down to the percent effective grade. (Effective grade equals actual percent grade minus 1% for each 9 kg/t (20 lb/ton) of rolling resistance). From this weight-effective grade point, read horizontally to the curve with the highest obtainable speed range, then down to maximum descent speed the retarder can properly handle.

**623G Tier 3 — Retarding\***  
Gross Weight



- 3—3rd Gear Direct Drive
- 4—4th Gear Direct Drive
- 5—5th Gear Direct Drive
- 6—6th Gear Direct Drive
- 7—7th Gear Direct Drive
- 8—8th Gear Direct Drive

- E—Empty 36 830 kg (81,196 lb)
- ..... L—Loaded 62 135 kg (137,646 lb)

\* at sea level