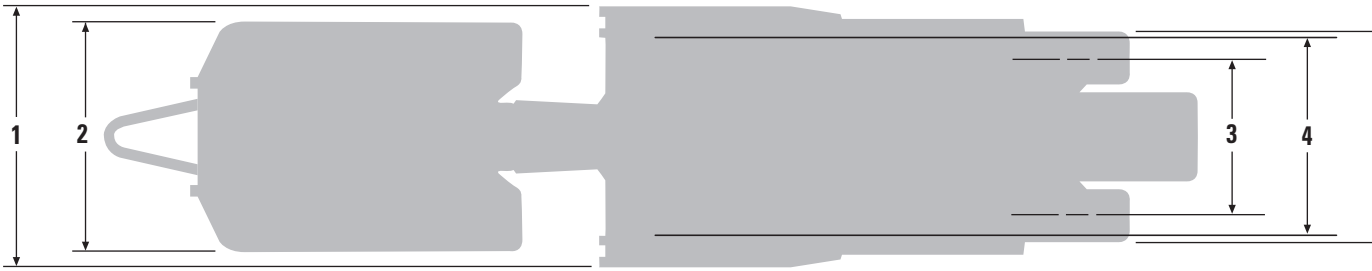
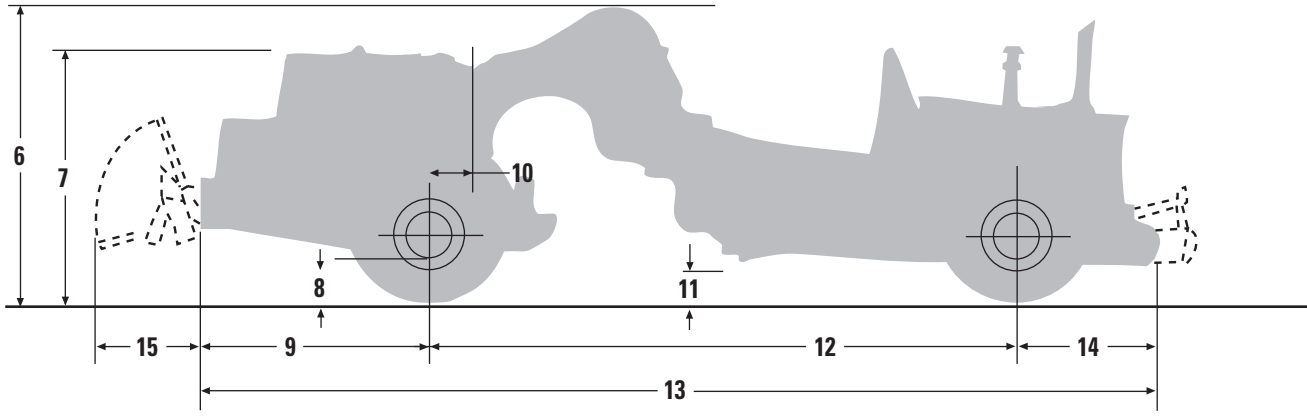
657G Wheel Tractor-Scraper

Dimensions

All dimensions are approximate.





		mm	in
1	Width – overall machine	4344	171.02
2	Width – tractor	3601	141.77
3	Width – rear tire center lines	2813	110.75
4	Width – inside of bowl	3683	145
5	Width – outside bowl (shipping width)	3914	154
6	Height – overall shipping	4710	185.43
7	Height – top of cab	3712	146.14
8	Ground clearance, tractor	645	25.39
9	Front of tractor to front axle	3770	148.42
10	Axle to vertical hitch pin	608	23.94
11	Height – scraper blade maximum	680	26.77
12	Wheelbase	9956	391.97
13	Length – overall machine	16 164	636.38
14	Rear axle to rear of machine	2438	95.98
15	Bail length – maximum (push-pull)	1836	72.28

657G Wheel Tractor-Scraper

Weights

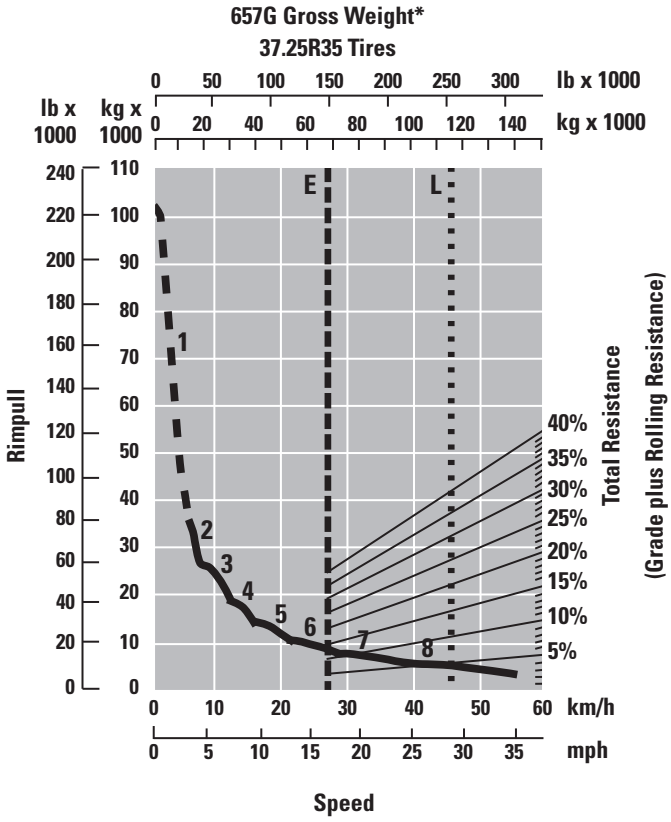
(approximate)

Model	657G Standard		657G Push-Pull	
	kg	lb	kg	lb
Shipping, with ROPS cab and 10% fuel				
Tractor	59%		59%	
	39 788	87,717	42 472	93,635
Scraper	41%		41%	
	27 325	60,242	29 061	64,068
Total 100%	**67 113**	**147,959**	**71 533**	**157,703**
Operating empty, with ROPS cab, full fuel tanks and no operator				
Front axle	58%		58%	
	39 881	87,924	42 566	93,842
Rear axle	42%		42%	
	28 503	62,837	30 238	66,663
Total 100%	**68 384**	**150,761**	**72 804**	**160,505**
Loaded, based on a rated load of 47 174 kg (104,000 lb)				
Front axle	50%		51%	
	58 172	128,246	60 856	134,165
Rear axle	50%		49%	
	57 386	126,515	59 121	130,340
Total 100%	**115 558**	**254,761**	**119 978**	**264,505**

657G Wheel Tractor-Scraper

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.



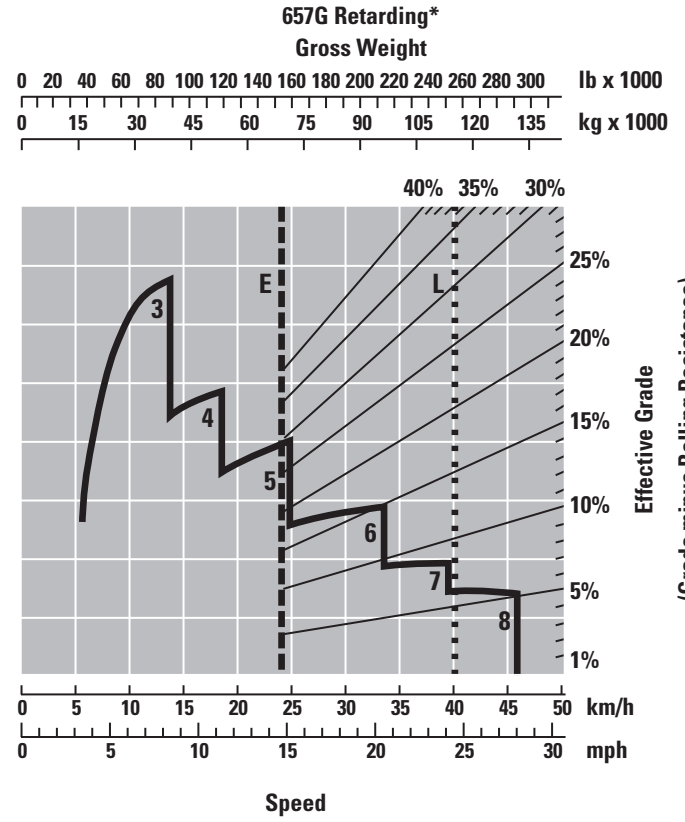
* at sea level

1 – 1st Gear Torque Converter Drive
2 – 2nd Gear Torque Converter 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 67 774 kg (149,417 lb)
L – Loaded 114 949 kg (253,420 lb)

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.



* at sea level

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 67 774 kg (149,417 lb)
L – Loaded 114 949 kg (253,420 lb)