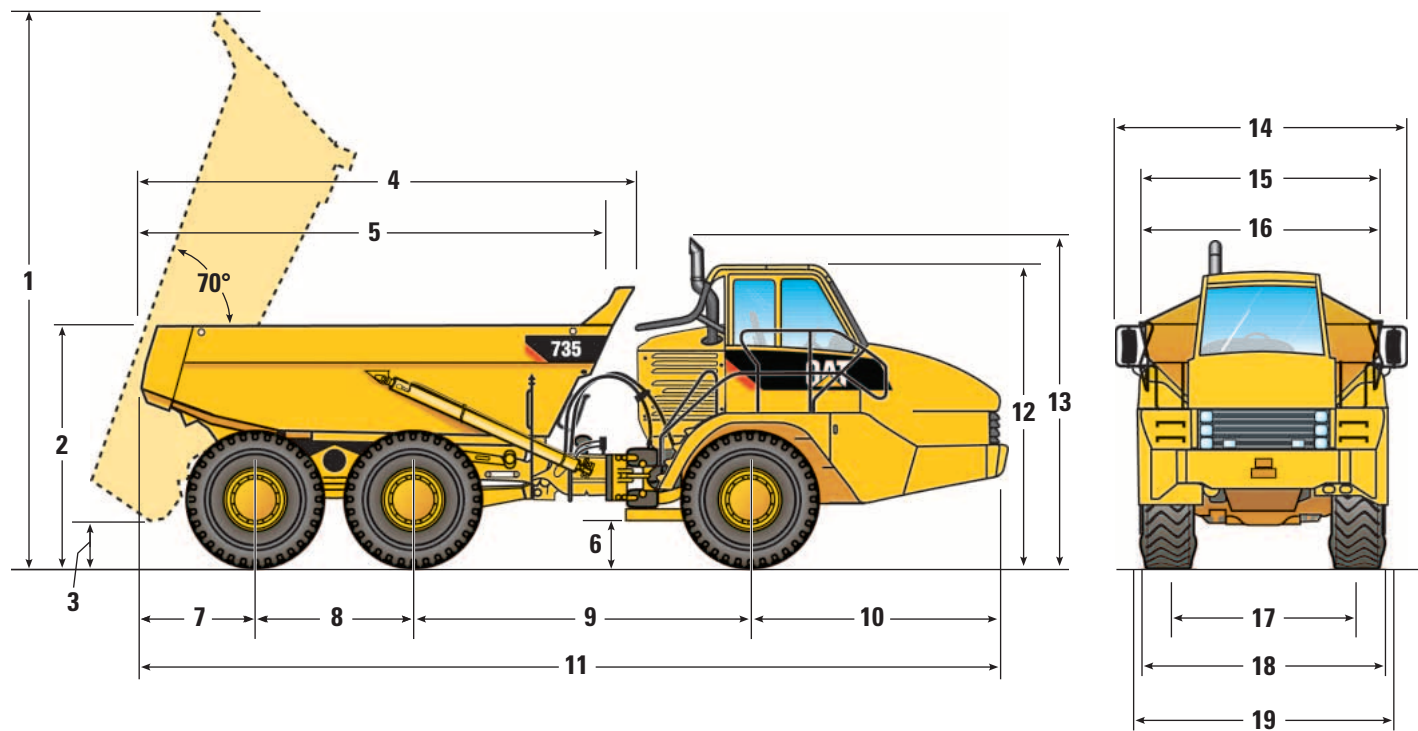


735 Articulated Truck

Dimensions



	mm	ft
1	6809	22.3
2	2982	9.8
3	635	2.0
4	6088	20.0
5*	5467	17.9
6	534	1.7
7	1458	4.7
8	1966	6.4
9	4244	13.9
10	3221	10.5

	mm	ft
11	10 889	35.7
12	3703	12.1
13**	4006	13.1
14	3823	12.5
15***	3690	12.1
16	3328	10.9
17	2687	8.8
18	3353	11.0
19****	3434	11.3

*Inside of body.
**Exhaust stack can be removed for transportation.
***If equipped with a scissor tailgate.
****Max-unladen over tire bulge.

735 Articulated Truck

Turning Circle

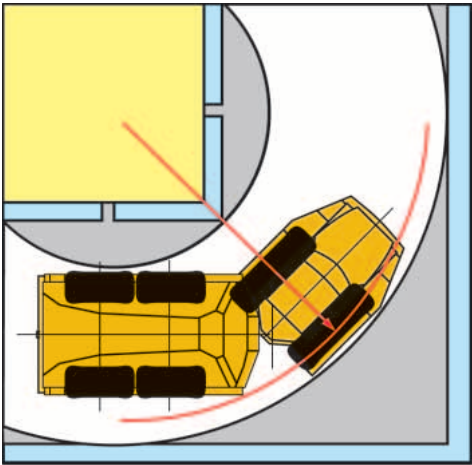
Dimensions are for machines equipped with 26.5R25 tires.

Turning dimensions

Steer angle – left/right	45°	
SAE turning radius	8138 mm	320.4 in
Clearance radius	8595 mm	338.4 in
Inside radius	4182 mm	164.7 in
Aisle width	5637 mm	221.9 in

Steering

Lock to Lock 4.6 seconds @ 60 rpm



Optimal Loader/Truck Pass Matching

Hydraulic Excavators	385C	365C	345D
Loader Capacity (Tonnes) – 50 min hr	954-1193	750-1100	665-805
Loader Capacity (Tons) – 50 min hr	1049-1314	825-1210	735-885
Passes	3	4	5

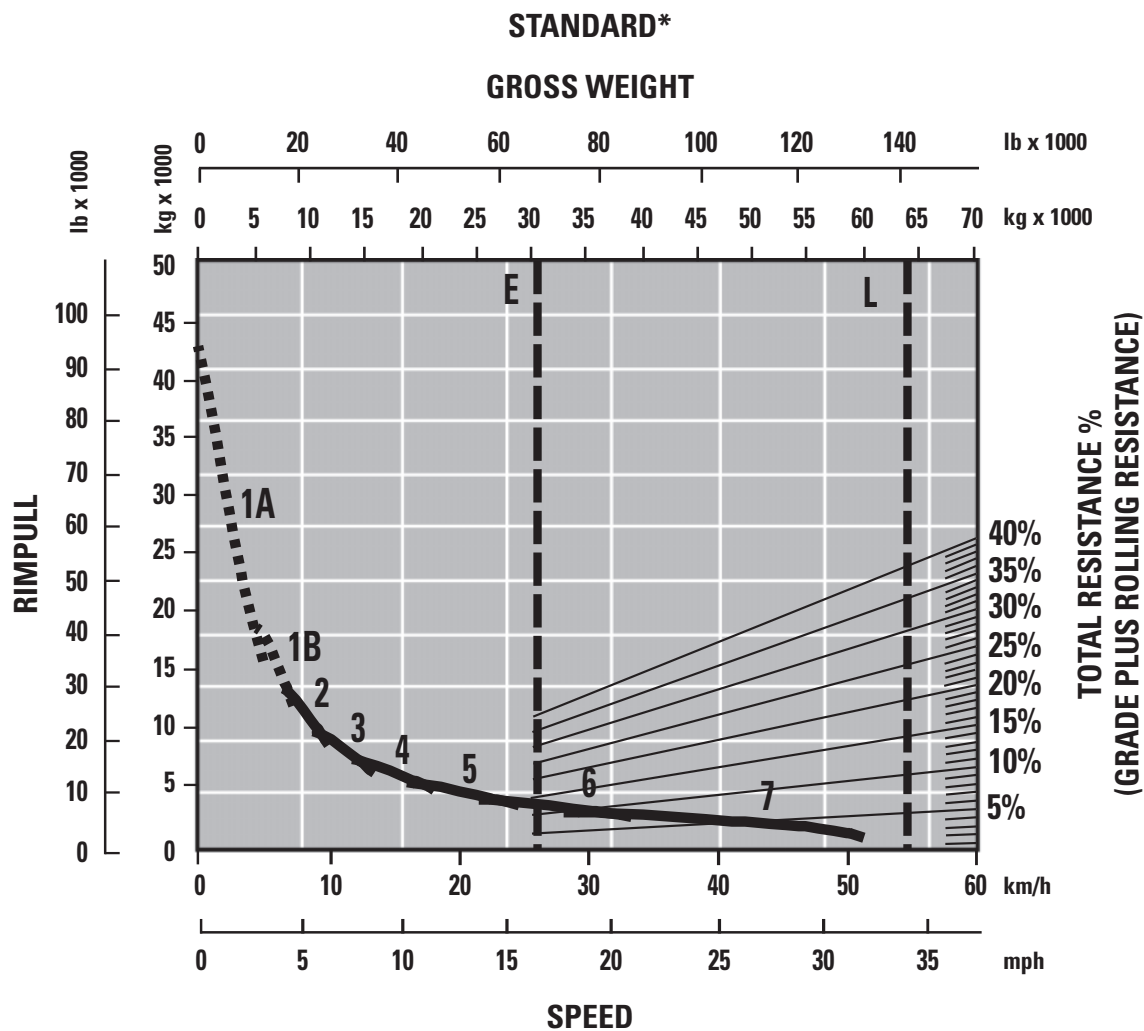
Wheel Loaders	988H	980H	972H	966H	962H
Loader Capacity (Tonnes) – 50 min hr	565-790	590-650	490-565	400-535	325-400
Loader Capacity (Tons) – 50 min hr	625-870	650-715	540-625	440-590	360-440
Passes	3	3-4	4-5	5	6

An optimum system match gives you a major productivity advantage. The 735 is an excellent match for the Cat 385C, 365C and 345D Hydraulic Excavators; and Cat 962H, 966H, 972H, 980H and 988H Wheel Loaders. This results in increased production and lower system costs per unit of volume moved.

735 Articulated Truck

Gradeability/Speed/Rimpull

To determine performance, read from Gross Weight down to % Total Resistance. Total Resistance equals actual % grade plus 1% for each 10 kg/metric ton (20 lb/ton) of Rolling Resistance. From this point, read horizontally to the curve with the highest attainable speed range. Then, go down to Maximum Speed. Usable Rimpull depends on traction available.



1A – 1st Gear (Converter Drive)

1B – 1st Gear (Direct Drive)

2 – 2nd Gear

3 – 3rd Gear

4 – 4th Gear

5 – 5th Gear

6 – 6th Gear

7 – 7th Gear

E – Empty 31 391 kg (69,206 lb)

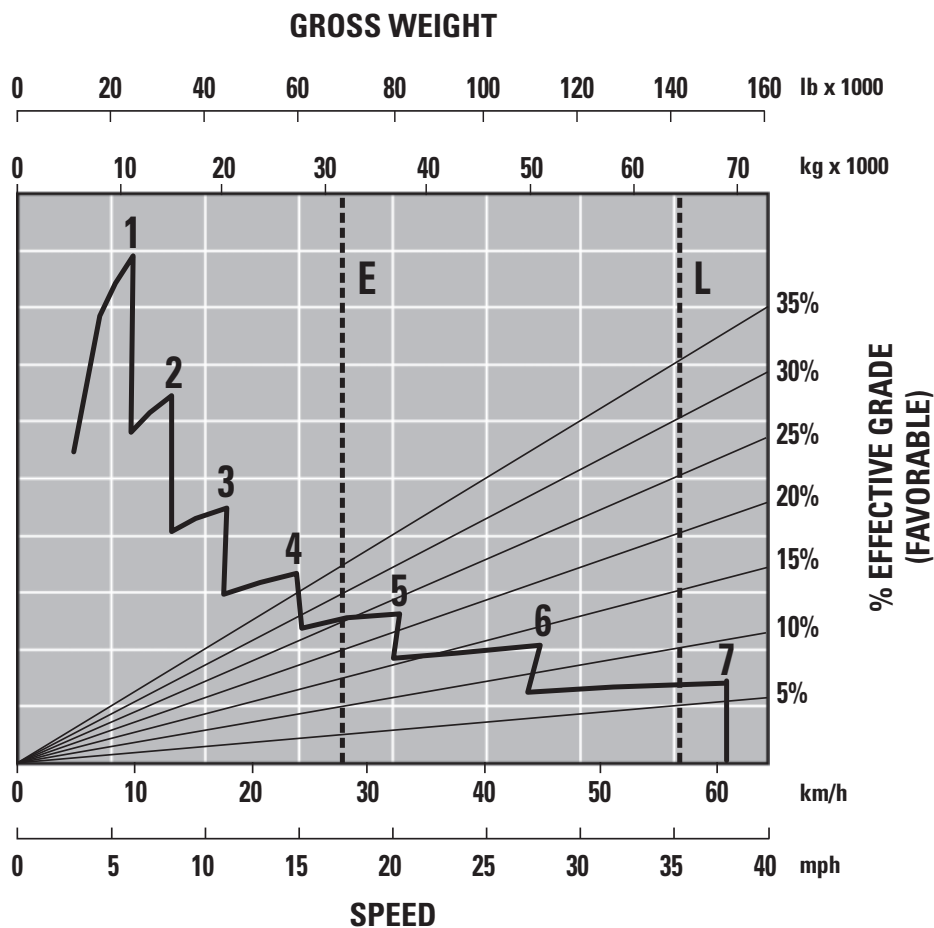
L – Loaded 64 090 kg (141,297 lb)

* at sea level

735 Articulated Truck

Retarding Performance

To determine performance, read from Gross Weight down to % Effective Grade. Effective Grade equals actual % favorable grade plus 1% for each 10 kg/metric ton (20 lb/ton) of Rolling Resistance. From this point, read horizontally to the curve with the highest attainable speed range. Then, go down to Maximum Speed. Retarding effect on these curves represents full application of the retarder.



- 1 – 1st Gear
- 2 – 2nd Gear
- 3 – 3rd Gear
- 4 – 4th Gear
- 5 – 5th Gear
- 6 – 6th Gear
- 7 – 7th Gear

- E – Empty 31 391 kg (69,206 lb)
- L – Loaded 64 090 kg (141,297 lb)