725 Articulated Truck

Dimensions
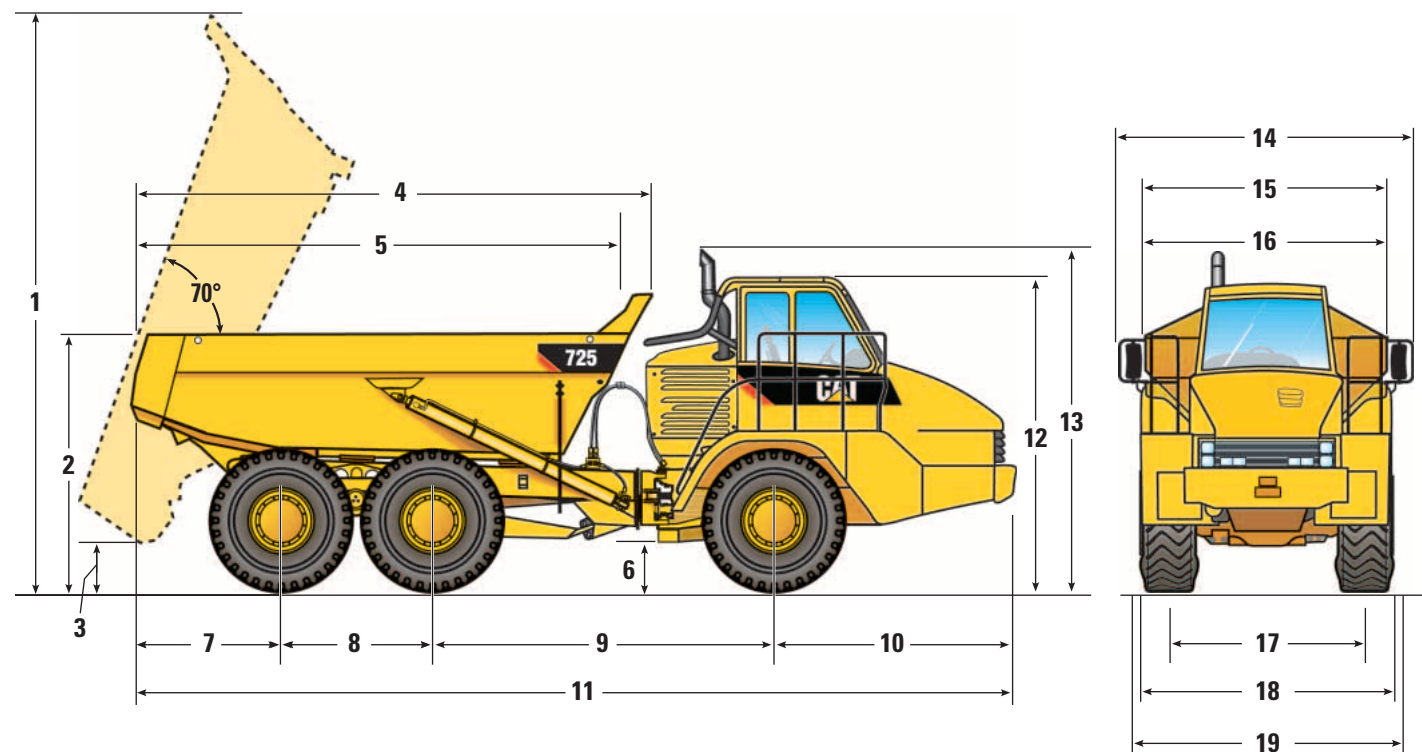
	mm	ft
1	6405	21.01
2	2760	9.05
3	555	1.82
4	5780	18.96
5*	5430	17.81
6	495	1.62
7	1680	5.51
8	1700	5.58
9	3819	12.53
10	2721	8.93

	mm	ft
11	9920	32.55
12	3440	11.29
13**	3744	12.28
14	3544	11.63
15***	3138	10.30
16	2772	9.09
17	2275	7.46
18	2877	9.44
19****	2950	9.68

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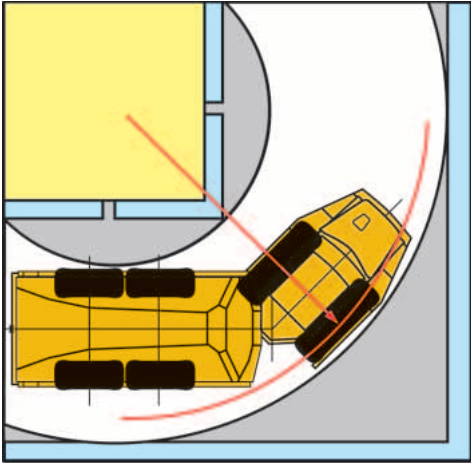
725 Articulated Truck

Turning Circle

Dimensions are for machines equipped with 23.5R25 tires.

Turning dimensions		
Steer angle – left/right	45°	
SAE turning radius	7254 mm	286 in
Clearance radius	7605 mm	300 in
Inside radius	3710 mm	146 in
Aisle width	4980 mm	196 in

Steering

Lock to Lock	4.75 seconds @ 60 rpm

Optimal Loader/Truck Pass Matching

Hydraulic Excavators	345D	336D	329D
Passes	3-4	4-5	5-6

Wheel Loaders	972H	966H	962H	950H
Passes	3	3-4	3-4	4

An optimum system match gives you a major productivity advantage. The 725 is an excellent match for the Cat 345D, 336D and 329D Hydraulic Excavators; and Cat 972H, 966H, 962H and 950H Wheel Loaders. This results in increased production and lower system costs per unit of volume moved.

725 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.

STANDARD*

GROSS WEIGHT
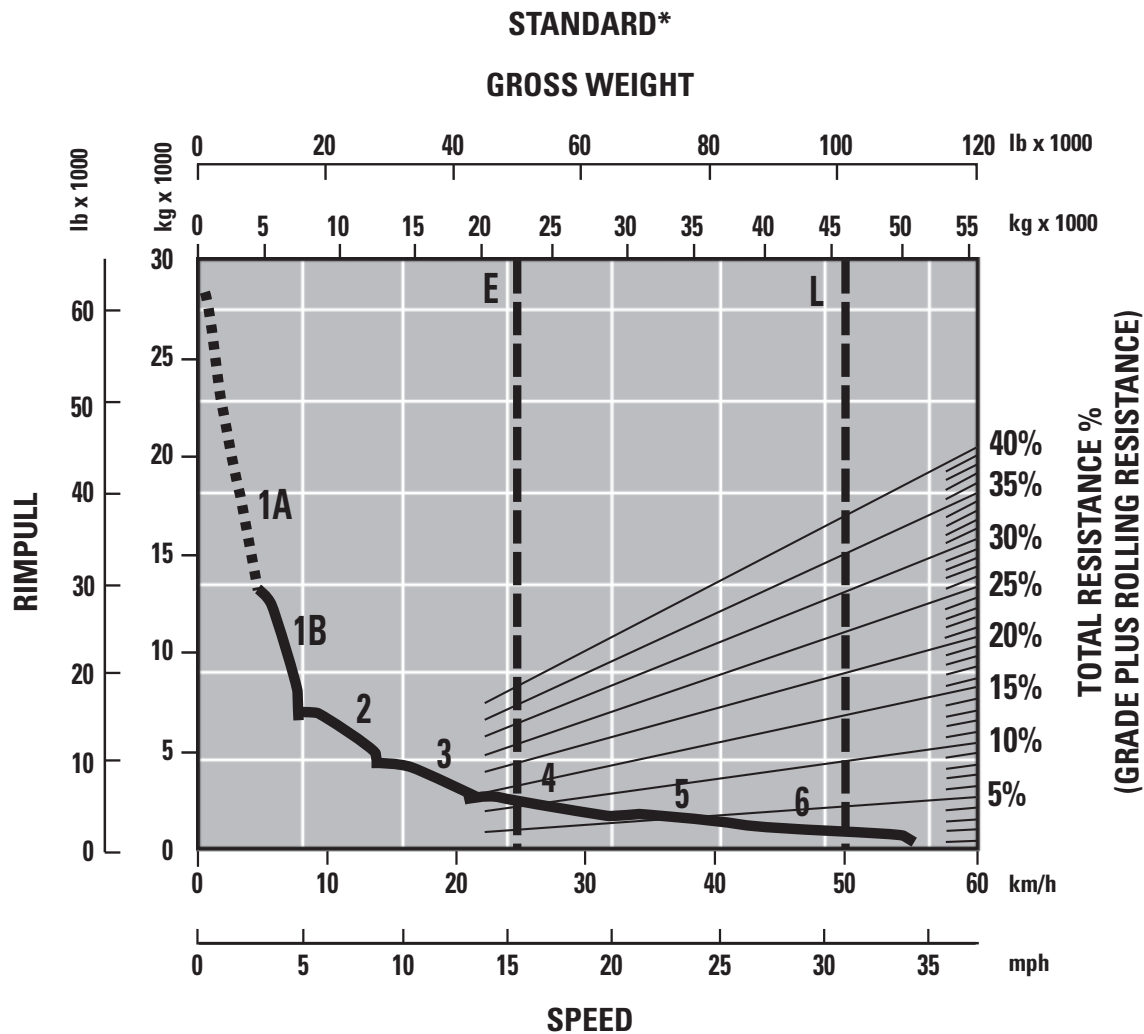
1A – 1st Gear (Converter Drive)
1B – 1st Gear (Direct Drive)
 2 – 2nd Gear
 3 – 3rd Gear
 4 – 4th Gear
 5 – 5th Gear
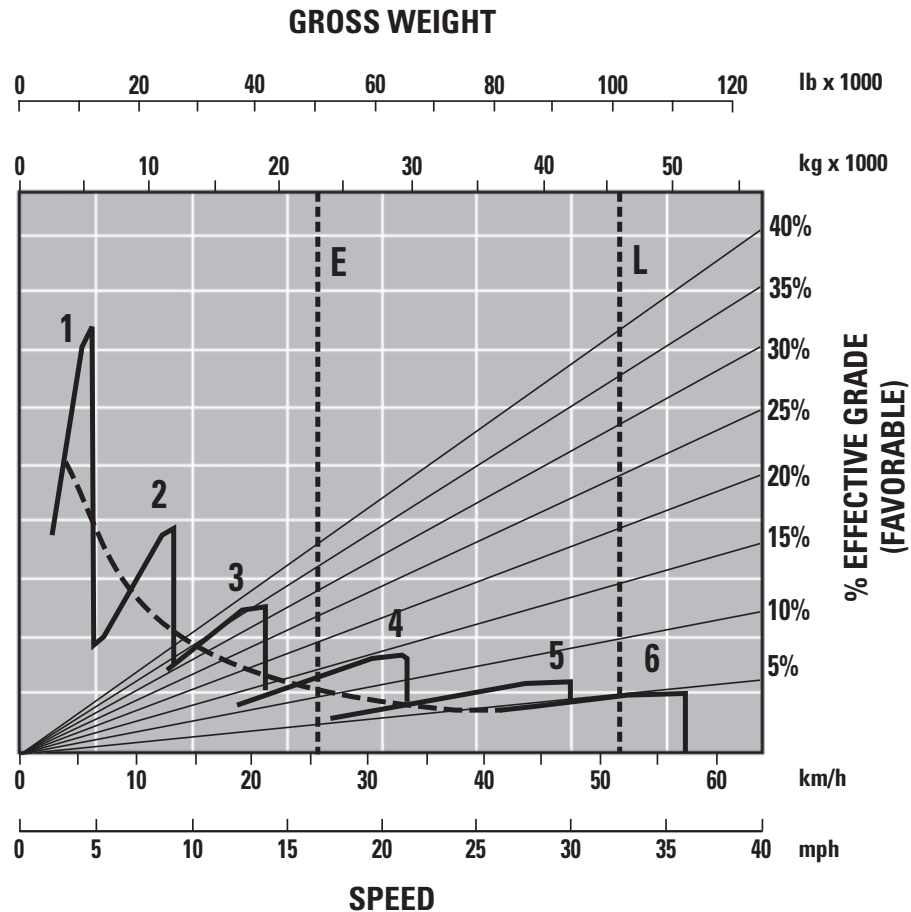 6 – 6th Gear

E – Empty 22 260 kg (49,075 lb)
L – Loaded 45 850 kg (101,085 lb)
* at sea level

725 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.

GROSS WEIGHT

SPEED

1 – 1st Gear

2 – 2nd Gear

3 – 3rd Gear

4 – 4th Gear

5 – 5th Gear

6 – 6th Gear

E – Empty 22 260 kg (49,075 lb)

L – Loaded 45 850 kg (101,085 lb)