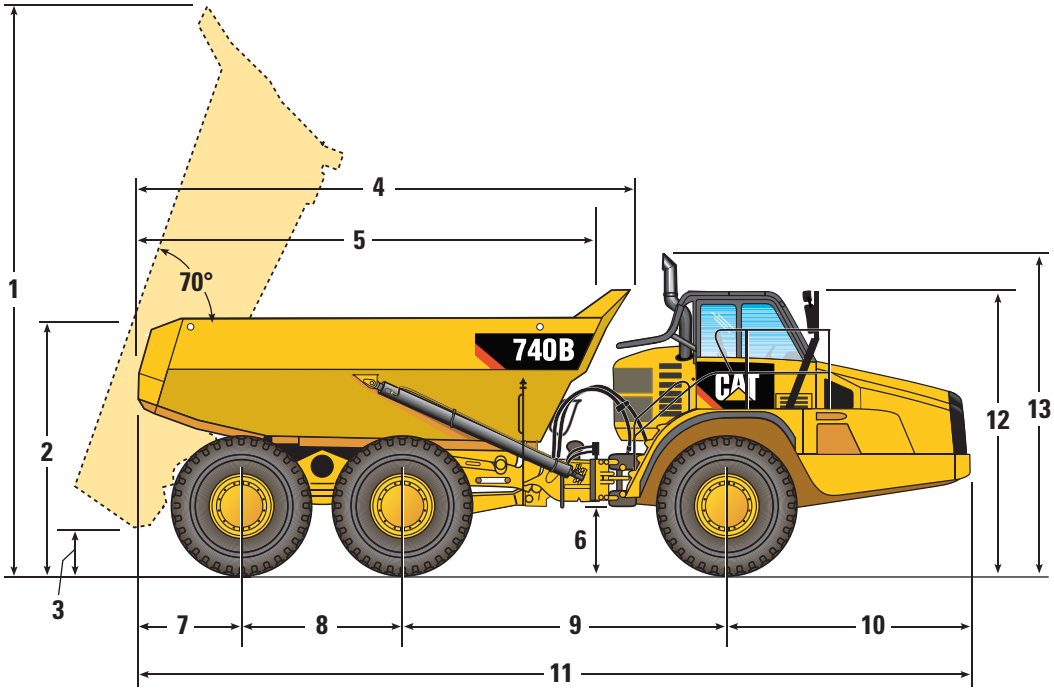
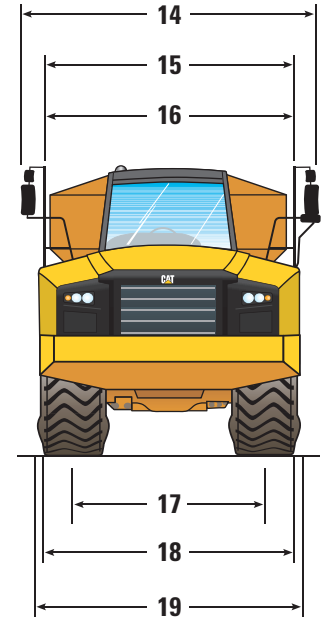
740B Articulated Truck

Dimensions





	mm	ft
1	7092	23.4
2	3239	10.6
3	697	2.3
4	6288	20.6
5*	5734	18.8
6	577	1.8
7	1458	4.7
8	1966	6.4
9	4246	13.9
10	3330	10.9

	mm	ft
11	11 000	36.1
12	3745	12.3
13**	4039	13.3
14	4160	13.6
15***	3780	12.4
16	3418	11.2
17	2687	8.8
18	3430	11.2
19****	3520	11.5

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

740B Articulated Truck

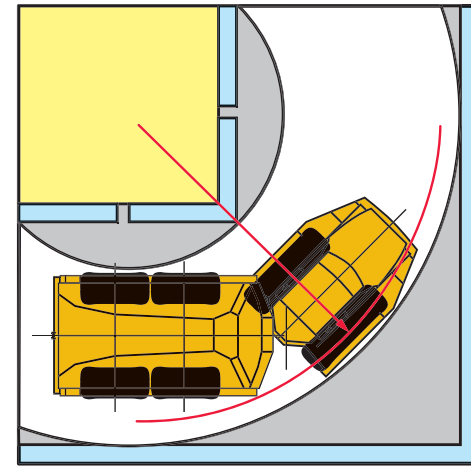
Turning Circle

Dimensions are for machines equipped with 29.5R25 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	4101 mm	161.5 in
Aisle width	5694 mm	224.2 in

Steering

Lock to Lock	4.6 seconds @ 60 rpm



Optimal Loader/Truck Pass Matching

Hydraulic Excavators	390D	374D	349D/E
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	4	5	6

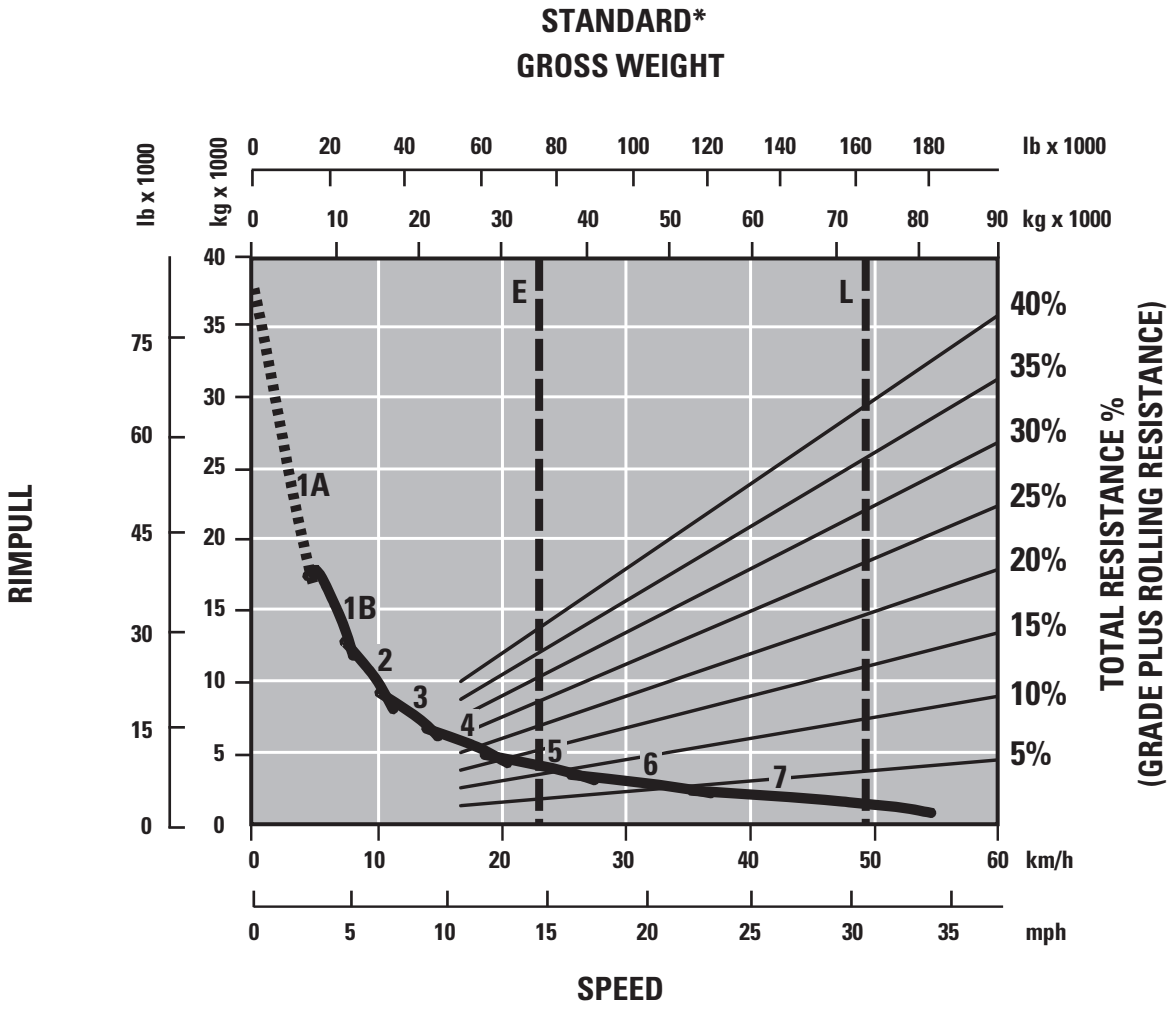
Wheel Loaders	988H	980H/K	972H/K	966H/K
Loader Capacity (Tonnes) – 50 min hr	565-790	590-650	490-565	400-535
Loader Capacity (Tons) – 50 min hr	625-870	650-717	540-625	440-590
Passes	4	5	5-6	6

An optimum system match gives you a major productivity advantage. The 740B is an excellent match for the Cat 349D/E, 374D and 390D Hydraulic Excavators; and 966H/K, 972H/K, 980H/K and 988H Wheel Loaders. This results in increased production and lower system costs per unit of volume moved.

740B 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.



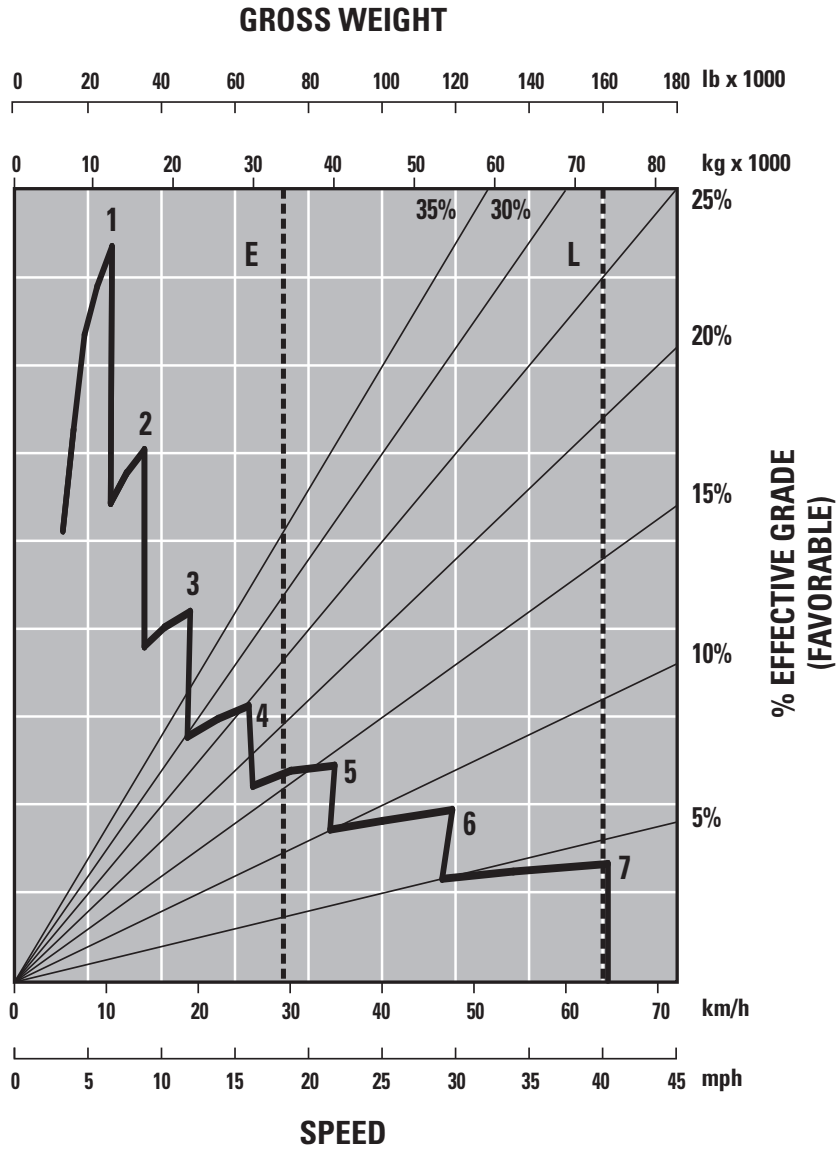
1A – 1st Gear (Converter Drive)
1B – 1st Gear (Direct Drive)
2 – 2nd Gear
3 – 3rd Gear
4 – 4th Gear
5 – 5th Gear
6 – 6th Gear
7 – 7th Gear

E – Empty 34 127 kg (75,237 lb)
L – Loaded 73 709 kg (162,500 lb)
* at sea level

740B 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 34 127 kg (75,237 lb)
L – Loaded 73 709 kg (162,500 lb)