

# 735 Articulated Truck

## Turning Circle

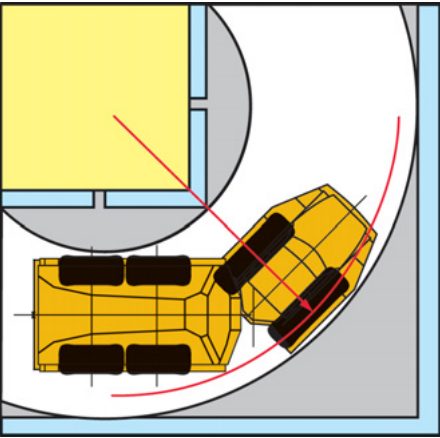
Dimensions are for machines equipped with 26.5R25 tires.

### Turning dimensions

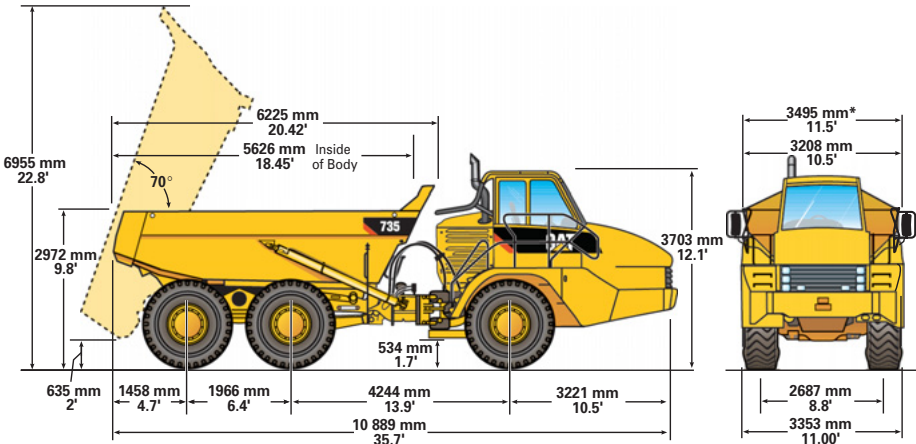
Steer angle — left/right	45°
SAE turning radius	8138 mm 320.4 in
Clearance radius	8595 mm 338.4 in
Inside radius	4182 mm 164.7 in
Aisle width	5637 mm 221.9 in

## Steering

Lock to Lock 4.6 seconds @ 60 rpm



## Dimensions



\* If equipped with a scissor tailgate.

## Optimal Loader/Truck Pass Matching

Hydraulic Excavators	385C	365C	345C
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

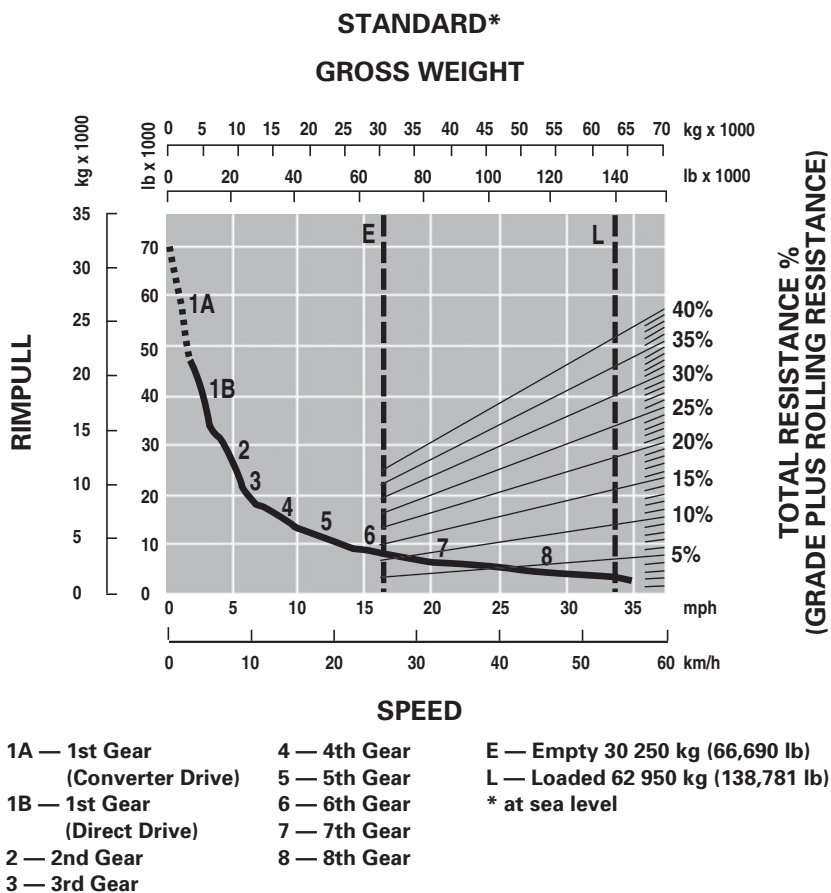
Wheel Loaders	988H	980H	972H	966H	962H
Loader Capacity (Tonnes) – 50 min hr	565-790	590-650	490-565	400-535	325-400
Loader Capacity (Tons) – 50 min hr	625-870	650-715	540-625	440-590	360-440
Passes	3	3-4	4-5	5	6

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

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## 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.



## 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.

