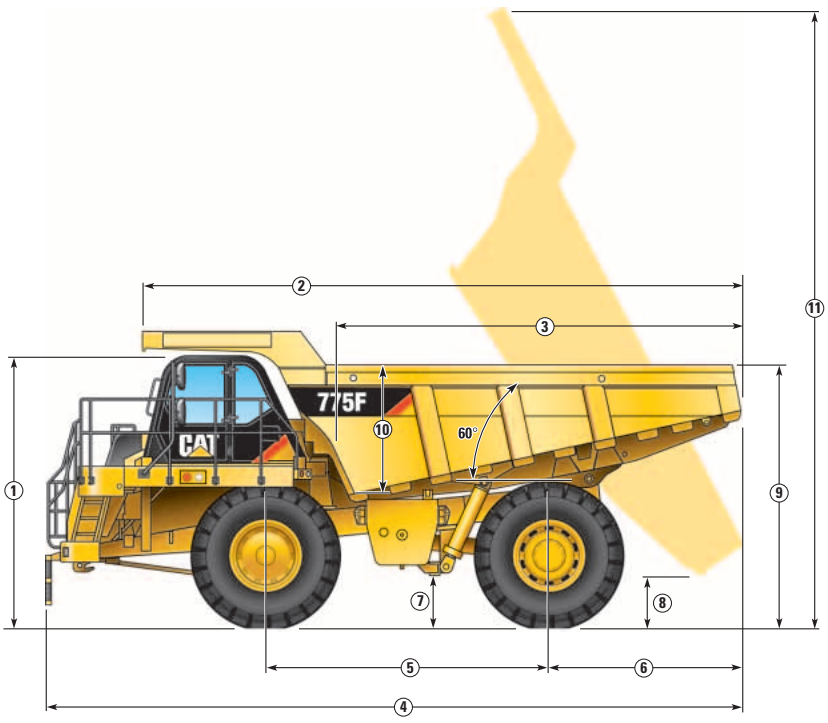
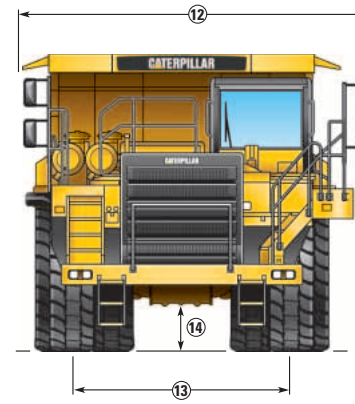
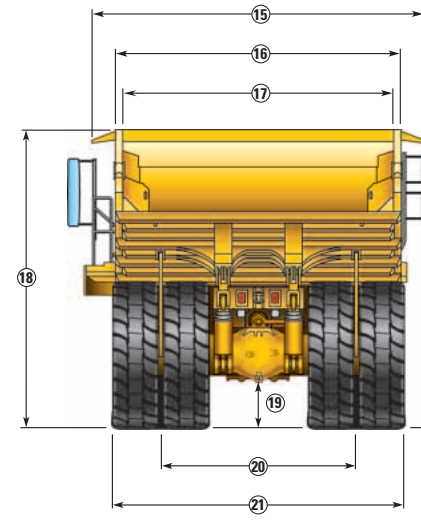
Dimensions

All dimensions are approximate. Shown with Dual Slope Body.







		Dual Slope		Flat Floor	
1	Height to Top of ROPS	4108 mm	13 ft 6 in	4105 mm	13 ft 6 in
2	Overall Body Length	9216 mm	30 ft 3 in	9294 mm	30 ft 6 in
3	Inside Body Length	6119 mm	20 ft 1 in	6198 mm	20 ft 4 in
4	Overall Length	10 334 mm	33 ft 11 in	10 334 mm	33 ft 11 in
5	Wheelbase	4206 mm	13 ft 9 in	4215 mm	13 ft 10 in
6	Rear Axle to Trail	2833 mm	9 ft 3 in	2837 mm	9 ft 4 in
7	Ground Clearance	777 mm	2 ft 6 in	791 mm	2 ft 7 in
8	Dump Clearance	613 mm	2 ft	625 mm	2 ft 1 in
9	Loading Height – Empty	3946 mm	12 ft 11 in	3972 mm	13 ft
10	Inside Body Depth – Max	1978 mm	6 ft 6 in	1978 mm	6 ft 6 in
11	Overall Height – Body Raised	9261 mm	30 ft 5 in	9261 mm	30 ft 5 in

		Dual Slope		Flat Floor	
12	Operating Width	5255 mm	17 ft 2 in	5392 mm	17 ft 8 in
13	Centerline Front Tire Width	3205 mm	10 ft 6 in	3205 mm	10 ft 6 in
14	Engine Guard Clearance	698 mm	2 ft 4 in	698 mm	2 ft 4 in
15	Overall Canopy Width	4955 mm	16 ft 4 in	4986 mm	16 ft 5 in
16	Outside Body Width	4257 mm	14 ft	4223 mm	13 ft 11 in
17	Inside Body Width	3990 mm	13 ft 1 in	3989 mm	13 ft 1 in
18	Front Canopy Height	4428 mm	14 ft 6 in	4430 mm	14 ft 6 in
19	Rear Axle Clearance	675 mm	2 ft 2 in	675 mm	2 ft 2 in
20	Centerline Rear Dual Tire Width	2729 mm	9 ft	2929 mm	9 ft 7 in
21	Overall Tire Width	4411 mm	14 ft 6 in	4411 mm	14 ft 6 in

Weight/Payload Calculation

(Example)

	Flat Floor									
	Medium Impact Steel Body System (16 mm)		High Impact Steel Body System (20 mm)		Heavy Duty High Impact Steel Body System (25 mm)		High Impact Rubber Body System (102 mm)		Heavy Duty High Impact Rubber Body System Rubber Liner	
Target Gross Machine Weight*– kg (lb)	109 769	(242,000)	109 769	(242,000)	109 769	(242,000)	109 769	(242,000)	109 769	(242,000)
Empty Chassis Weight* – kg (lb)	31 633	(69,738)	31 633	(69,738)	31 633	(69,738)	31 633	(69,738)	31 633	(69,738)
Body System Weight – kg (lb)	13 456	(29,665)	14 178	(31,257)	15 840	(34,921)	14 436	(31,826)	15 293	(33,715)
Empty Machine Weight – kg (lb)	**45 089**	**(99,403)**	**45 811**	**(100,995)**	**47 473**	**(104,659)**	**46 069**	**(101,564)**	**46 926**	**(103,453)**
Attachments										
Fuel Tank Size – L (gal)	700	(185)	700	(185)	700	(185)	700	(185)	700	(185)
Fuel Tank – 90% fill – kg (lb)	531	(1,170)	531	(1,170)	531	(1,170)	531	(1,170)	531	(1,170)
Empty Operating Weight – kg (lb)	45 620	(100,573)	46 342	(102,165)	48 004	(105,829)	46 600	(102,734)	47 457	(104,623)
Target Payload* – kg (lb)	**64 149**	**(141,427)**	**63 427**	**(139,835)**	**61 765**	**(136,171)**	**63 169**	**(139,266)**	**62 312**	**(137,377)**
Target Payload* – tonnes (tons)	64.15	(70.71)	63.43	(69.92)	61.77	(68.09)	63.17	(69.63)	62.31	(68.69)

	Dual Slope									
	Steel Liner (16 mm)		Steel Liner (20 mm)		Steel Liner (25 mm)		Rubber Liner (102 mm)		Heavy-Duty Rubber Liner	
Target Gross Machine Weight* – kg (lb)	109 769	(242,000)	109 769	(242,000)	109 769	(242,000)	109 769	(242,000)	109 769	(242,000)
Empty Chassis Weight – kg (lb)	31 633	(69,738)	31 633	(69,738)	31 633	(69,738)	31 633	(69,738)	31 633	(69,738)
Body System Weight – kg (lb)	13 552	(29,877)	14 175	(31,251)	15 987	(35,245)	14 327	(31,586)	15 188	(33,484)
Empty Machine Weight – kg (lb)	**45 185**	**(99,615)**	**45 808**	**(100,989)**	**47 620**	**(104,983)**	**45 960**	**(101,324)**	**46 821**	**(103,222)**
Attachments										
Fuel Tank Size – L (gal)	700	(185)	700	(185)	700	(185)	700	(185)	700	(185)
Fuel Tank – 90% fill – kg (lb)	531	(1,170)	531	(1,170)	531	(1,170)	531	(1,170)	531	(1,170)
Empty Operating Weight** – kg (lb)	45 716	(100,785)	46 339	(102,159)	48 151	(106,153)	46 491	(102,494)	47 352	(104,392)
Target Payload* – kg (lb)	**64 053**	**(141,215)**	**63 430**	**(139,841)**	**61 618**	**(135,847)**	**63 278**	**(139,506)**	**62 417**	**(137,608)**
Target Payload* – tonnes (tons)	64.05	(70.61)	63.43	(69.92)	61.62	(67.92)	63.28	(69.75)	62.42	(68.80)

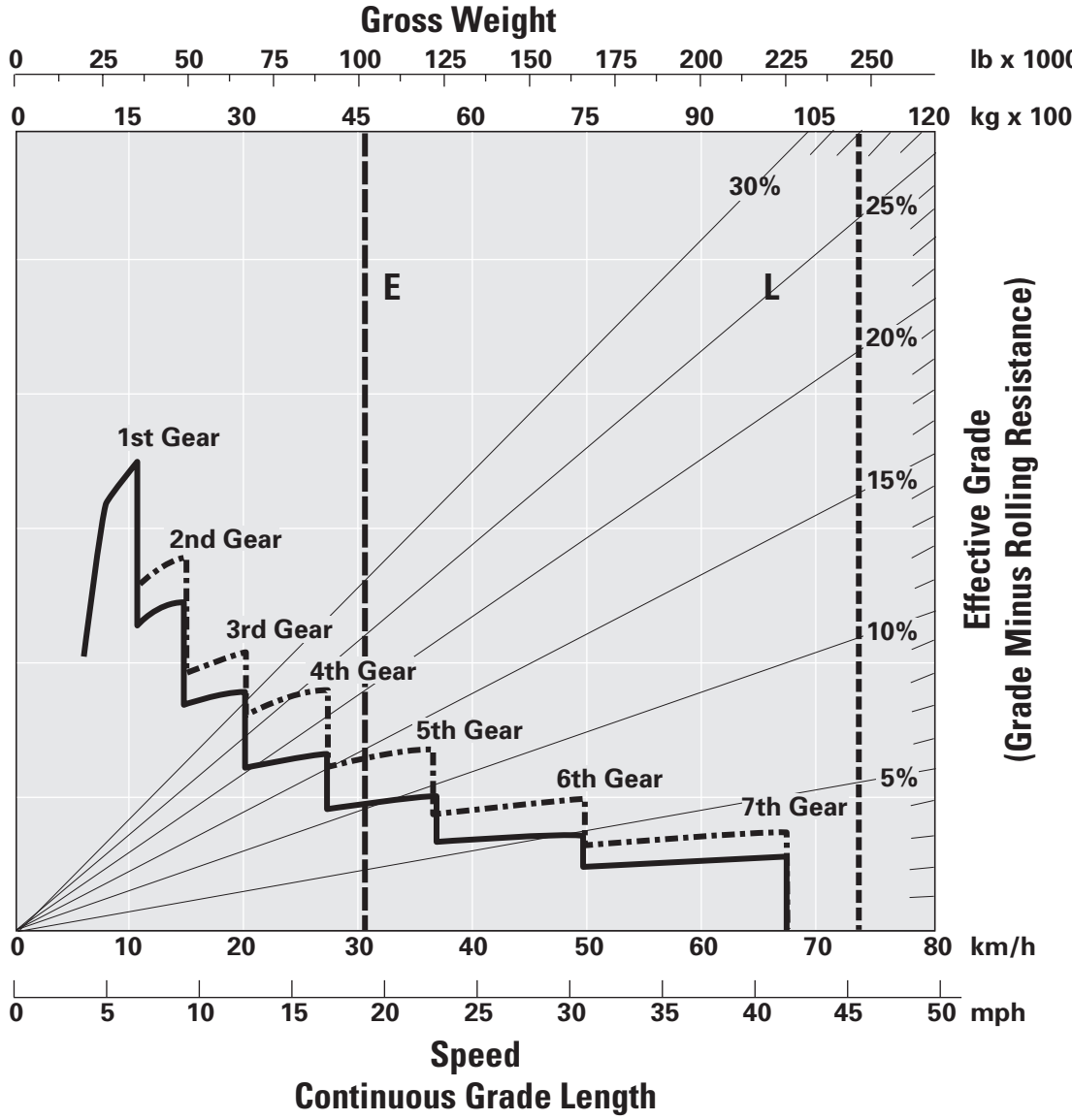
* Refer to the Caterpillar 10/10/20 overload policy.
** Includes weight of all attachments.

Retarding Performance

To determine retarding performance: Add lengths of all downhill segments and, using this total, refer to proper retarding chart. Read from gross weight down to the percent effective grade. Effective grade equals actual % grade minus 1% for each 10 kg/t (20 lb/ton) of rolling resistance. From this weight-effective grade point, read horizontally to the curve with the highest obtainable gear, then down to maximum descent speed brakes can properly handle without exceeding cooling capacity. The following charts are based on these conditions: 32° C (90° F) ambient temperature, at sea level, with 24.00 R35 tires.

NOTE: Select the proper gear to maintain engine rpm at the highest possible level, without overspeeding the engine. If cooling oil overheats, reduce ground speed to allow transmission to shift to the next lower speed range.

With ARC Only
ARC and Engine Brake
E – Typical Field Empty Weight
L – Target Gross Machine Operating Weight 109 770 kg (242,000 lb)



Retarding Performance

With ARC Only
ARC and Engine Brake
E – Typical Field Empty Weight
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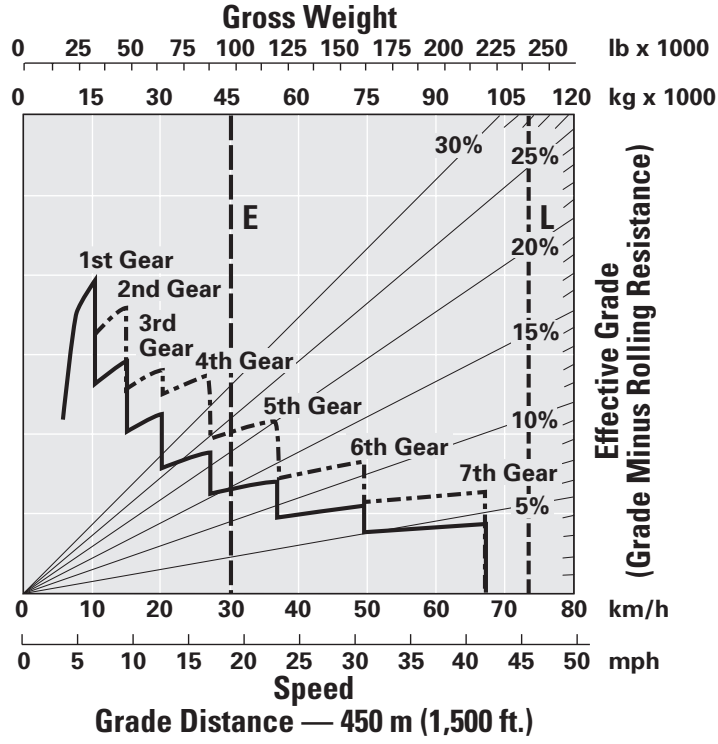
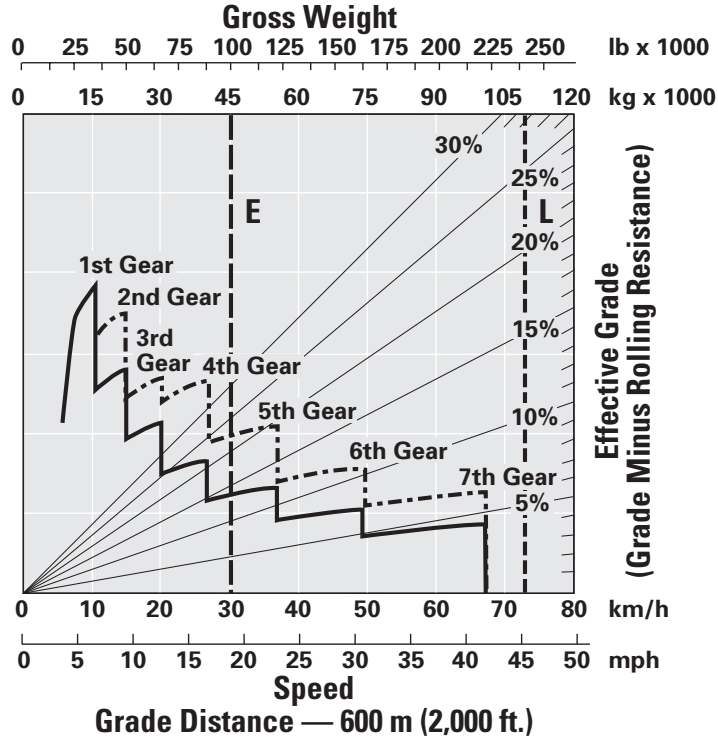


Grade Distance — 450 m (1,500 ft.)

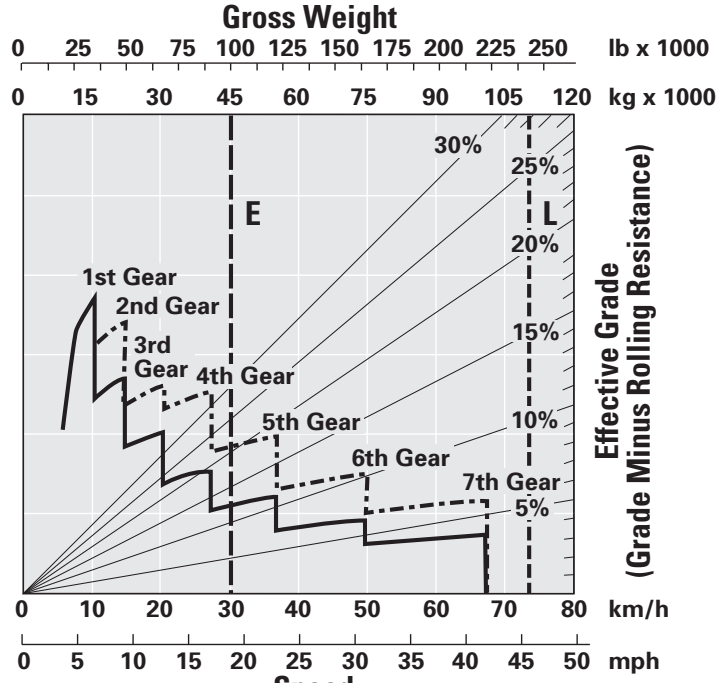
With ARC Only
ARC and Engine Brake
E – Typical Field Empty Weight
L – Target Gross Machine Operating Weight 109 770 kg (242,000 lb)



Grade Distance — 600 m (2,000 ft.)

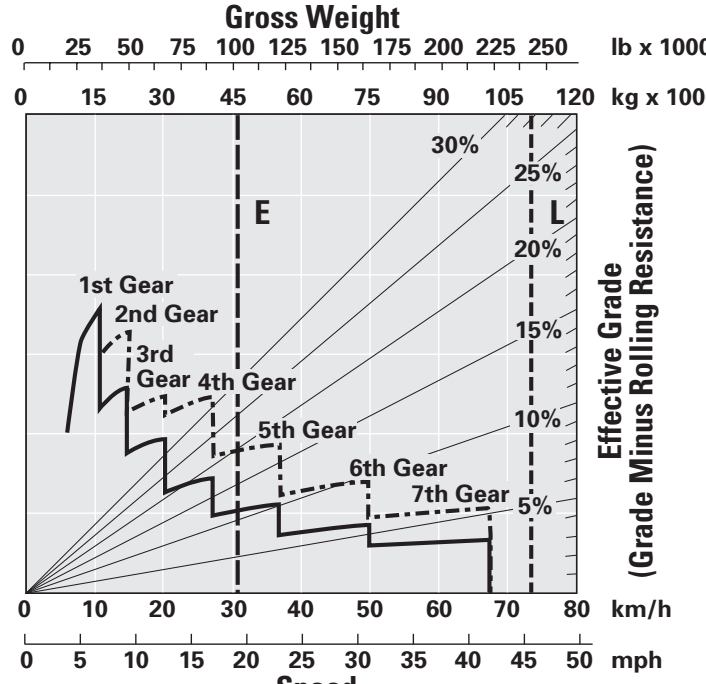
Retarding Performance

With ARC Only
ARC and Engine Brake
E – Typical Field Empty Weight
L – Target Gross Machine Operating Weight 109 770 kg (242,000 lb)



Grade Distance — 900 m (3,000 ft.)

With ARC Only
ARC and Engine Brake
E – Typical Field Empty Weight
L – Target Gross Machine Operating Weight 109 770 kg (242,000 lb)



Grade Distance — 1500 m (5,000 ft.)

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 10 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.

With ARC Only
ARC and Engine Brake
E – Typical Field Empty Weight
L – Target Gross Machine Operating Weight 109 770 kg (242,000 lb)