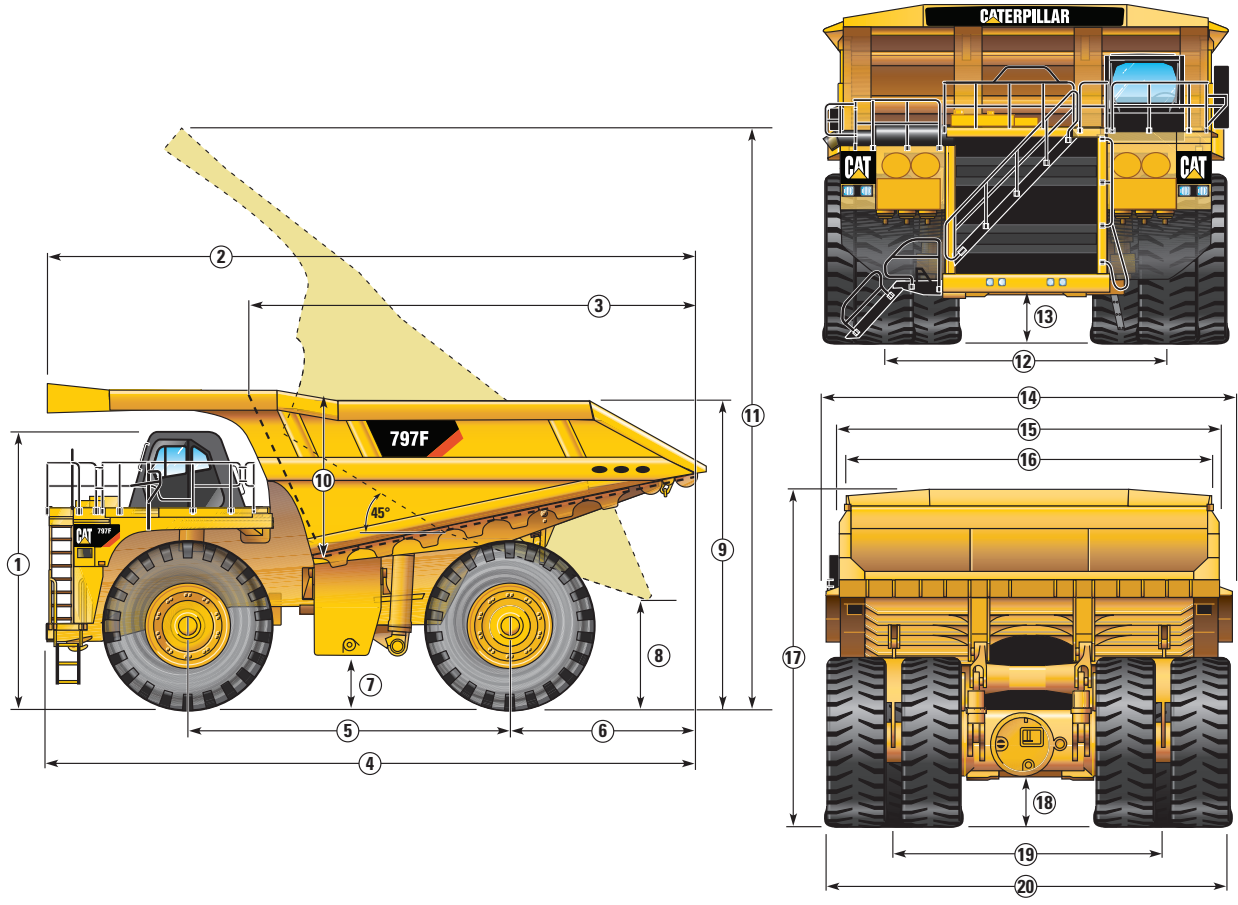
797F Mining Truck

Dimensions

All dimensions are approximate.

Dimensions are with standard body 290-6420.



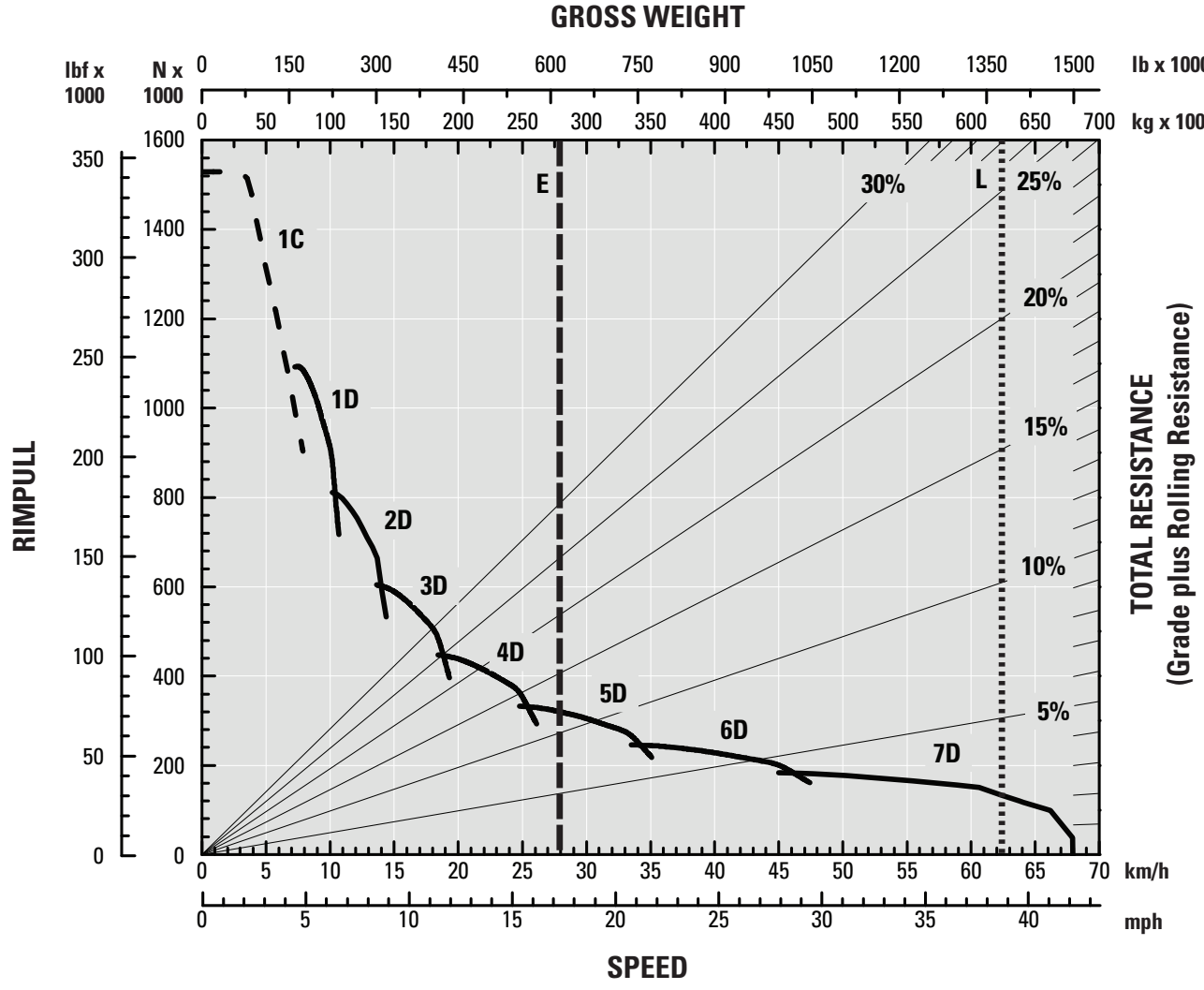
1	Height to Top of ROPS – Empty	6526 mm	21 ft 5 in
2	Overall Body Length	14 802 mm	48 ft 7 in
3	Inside Body Length	9976 mm	32 ft 9 in
4	Overall Length	15 080 mm	49 ft 6 in
5	Wheelbase	7195 mm	23 ft 7 in
6	Rear Axle to Tail	3944 mm	12 ft 11 in
7	Loaded Ground Clearance	786 mm	2 ft 7 in
8	Dump Clearance	2017 mm	6 ft 7 in
9	Loading Height – Empty	6998 mm	23 ft 0 in
10	Inside Body Depth – Maximum	3363 mm	11 ft 0 in
11	Overall Height – Body Raised	15 701 mm	51 ft 6 in
12	Centerline Front Tire Width	6534 mm	21 ft 5 in
13	Engine Guard Clearance – Loaded	1025 mm	3 ft 4 in
14	Outside Body Width	9755 mm	32 ft 0 in
15	Overall Canopy Width	9116 mm	29 ft 11 in
16	Inside Body Width	8513 mm	27 ft 11 in
17	Front Canopy Height – Empty	7709 mm	25 ft 4 in
18	Rear Axle Clearance – Loaded	947 mm	3 ft 1 in
19	Centerline Rear Dual Tire Width	6233 mm	20 ft 5 in
20	Overall Tire Width	9529 mm	31 ft 3 in

797F 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.

Typical Field Empty Weight

Gross Machine Operating Weight
623 690 kg (1,375,000 lb)



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

E – Empty
L – Loaded
*** at sea level**

Torque Converter Drive
Direct Drive

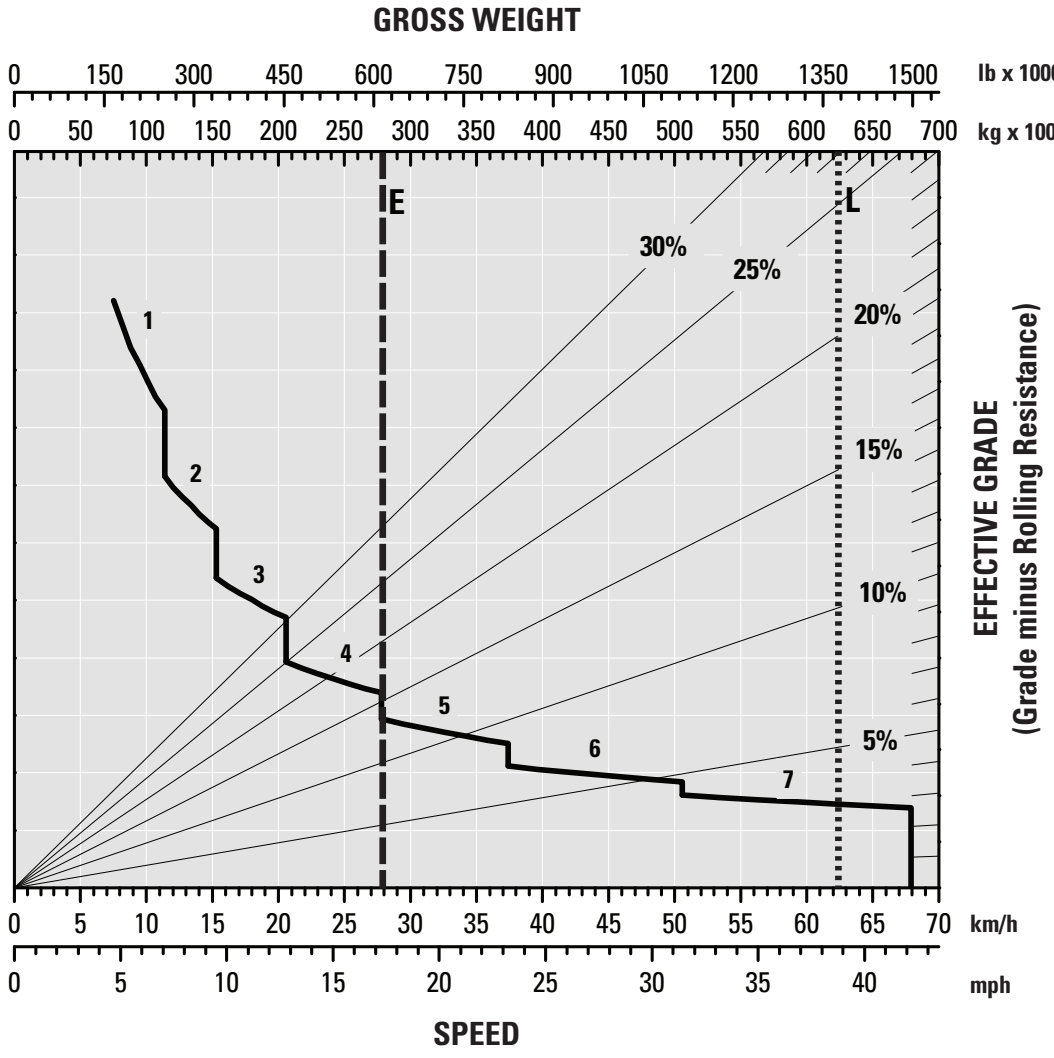
797F Retarding – Continuous*

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 59/80R63 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.

– – – – – Typical Field Empty Weight

····· Gross Machine Operating Weight
623 690 kg (1,375,000 lb)



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

E – Empty
L – Loaded
*** at sea level**

797F Mining Truck

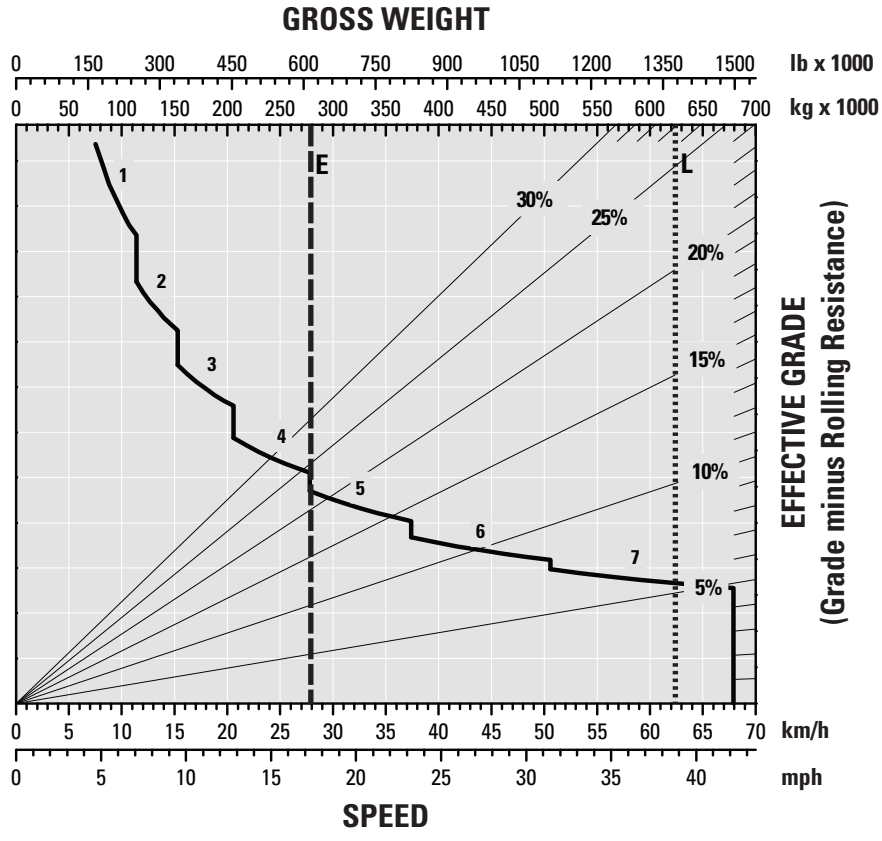
797F Retarding – 450 m (1,475 ft)*

Typical Field Empty Weight

Gross Machine Operating Weight 623 690 kg (1,375,000 lb)

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

*** at sea level**



797F Retarding – 1500 m (4,900 ft)*

Typical Field Empty Weight

Gross Machine Operating Weight 623 690 kg (1,375,000 lb)

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

*** at sea level**