773

Off-Highway Truck

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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773 Off-Highway Truck Specifications

Engine – U.S. EPA Tier 4 Final/EU Stage V

Engine Model	Cat® C27	
Rated Speed	1,800 rpm	
Gross Power – SAE J1995	578 kW	775 hp
Net Power – SAE J1349	534 kW	717 hp
Net Power – ISO 9249	540 kW	724 hp
Net Power – 80/1269/EEC	540 kW	724 hp
Engine Power – ISO 14396	568 kW	762 hp
Net Torque Speed	1,200 rpm	
Net Torque	3992 N·m	2,944 lb-ft
Bore	137 mm	5.4 in
Stroke	152 mm	6 in
Displacement	27 L	1,648 in³

- Power rating applies at 1,800 rpm when tested under the speci ed condition for the speci ed standard.
- Net power advertised is the power available at the ywheel when the engine is equipped with fan at minimum speed, air intake system, exhaust system, and alternator.
- Advertised power is tested per the speci ed standard in effect at the time of manufacture.
- No engine derating required up to 3048 m (10,000 ft).
- Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.

Engine – U.S. EPA Tier 2 Equivalent

Engine Model	Cat C27	
Rated Speed	2,000 rpm	
Gross Power – SAE J1995	578 kW	775 hp
Net Power – SAE J1349	546 kW	733 hp
Net Power – ISO 9249	552 kW	741 hp
Net Power – 80/1269/EEC	552 kW	741 hp
Engine Power – ISO 14396	569 kW	763 hp
Net Torque Speed	1,300 rpm	
Net Torque	3646 N·m	2,689 lb-ft
Bore	137 mm	5.4 in
Stroke	152 mm	6 in
Displacement	27 L	1,648 in³

- Power rating applies at 2,000 rpm when tested under the speci ed condition for the speci ed standard.
- Net power advertised is the power available at the ywheel when the engine is equipped with fan at minimum speed, air intake system, exhaust system, and alternator.
- Advertised power is tested per the speci ed standard in effect at the time of manufacture.
- No engine derating required up to 3810 m (12,500 ft).
- Equivalent to U.S. EPA Tier 2.

Transmission – Tier 4 Final/Stage V

Forward 1	10.6 km/h	6.6 mph
Forward 2	15.0 km/h	9.3 mph
Forward 3	20.3 km/h	12.6 mph
Forward 4	27.0 km/h	16.8 mph
Forward 5	36.7 km/h	22.8 mph
Forward 6	49.4 km/h	30.7 mph
Forward 7	66.9 km/h	41.6 mph
Reverse	14.0 km/h	8.7 mph

- Maximum travel speeds with standard 24.00R35 (E4) tires.

Transmission – Tier 2 Equivalent

Forward 1	10.8 km/h	6.7 mph
Forward 2	15.1 km/h	9.4 mph
Forward 3	20.4 km/h	12.7 mph
Forward 4	27.4 km/h	17.0 mph
Forward 5	37.0 km/h	23.0 mph
Forward 6	50.1 km/h	31.1 mph
Forward 7	67.6 km/h	42.0 mph
Reverse	14.1 km/h	8.8 mph

- Maximum travel speeds with standard 24.00R35 (E4) tires.

Final Drives

Differential Ratio	3.64:1
Planetary Ratio	4.80:1
Total Reduction Ratio	17.49:1

Brakes

Brake Surface – Front	655 cm²	257 in²
Brake Surface – Rear	61 269 cm²	9,497 in²
Brake Standards	ISO 3450:2011	

Body Hoists – Tier 4 Final/Stage V

Pump Flow – High Idle	448 L/min	118 gal/min
Relief Valve Setting – Raise	17 250 kPa	2,502 psi
Relief Valve Setting – Lower	3450 kPa	500 psi
Body Raise Time – High Idle	10.0 seconds	
Body Lower Time – Float	14.0 seconds	
Body Power Down – High Idle	14.0 seconds	

Body Hoists – Tier 2 Equivalent

Pump Flow – High Idle	448 L/min	118 gal/min
Relief Valve Setting – Raise	17 250 kPa	2,502 psi
Relief Valve Setting – Lower	3450 kPa	500 psi
Body Raise Time – High Idle	9.5 seconds	
Body Lower Time – Float	13.0 seconds	
Body Power Down – High Idle	13.0 seconds	

Capacity – Dual Slope – 100% Fill Factor

Struck	26.86 m^3	35.13 yd^3
Heaped (SAE 2:1)*	35.75 m^3	46.76 yd^3

• Contact your local Cat dealer for body recommendation.
*ISO 6483:1980

Capacity – Flat Floor – 100% Fill Factor

Struck	26.25 m^3	34.33 yd^3
Heaped (SAE 2:1)*	35.49 m^3	46.41 yd^3

• Contact your local Cat dealer for body recommendation.
*ISO 6483:1980

Weight Distributions – Approximate

Front Axle – Empty	53%
Front Axle – Loaded	35%
Rear Axle – Empty	47%
Rear Axle – Loaded	65%

Suspension

Empty Loaded Cylinder Stroke Front	234 mm	9.2 in
Empty Loaded Cylinder Stroke Rear	149 mm	5.8 in
Rear Axle Oscillation	8.1°	

Sound

Sound Standards

- The operator Equivalent Sound Pressure Level (Leq) is 76 dB(A) when SAE J1166 FEB2008 is used to measure the value for an enclosed cab. This is a work cycle sound exposure level. The cab was properly installed and maintained. The test was conducted with the cab doors and the cab windows closed.
- The exterior sound pressure level for the standard machine measured at a distance of 15 m (49 ft) according to the test procedures speci ed in SAE J88:2008, mi-gear moving operation is 86 dB(A).
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Air Conditioning System

The air conditioning system on this machine contains the uorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.0 kg (4.4 lb) of refrigerant which has a CO_2 equivalent of 2.86 metric tonnes (3.152 tons).

Steering

Steering Standards	ISO 5010:2007	
Steer Angle	31°	
Turning Diameter – Front	23.5 m	77 ft 1 in
Turning Circle Clearance Diameter	26.1 m	85 ft 8 in

ROPS/FOPS

Rollover Protective Structure (ROPS)/Falling Objects Protective Structure (FOPS) Standards

- ROPS for cab offered by Caterpillar meets ISO 3471:2008 for operator and ISO 13459:2012 for trainer ROPS criteria.
- FOPS meets ISO 3449:2005 Level II for operator and ISO 13459:2012 Level II for trainer FOPS criteria.

Tires

Standard Tire	24.00R35 (E4)

- Productive capabilities of the 773 truck are such that, under certain job conditions, tons kilometers per hour (TKPH)/tons miles per hour (TMPH) capabilities of standard or optional tires could be exceeded and, therefore, limit production.
- Caterpillar recommends the customer evaluate all job conditions and consult the tire manufacturer for proper tire selection.

Service Refill Capacities

Fuel Tank	795 L	210.0 gal
Cooling System	171 L	45.0 gal
Crankcase	90 L	24.0 gal
Differentials and Final Drives	145 L	38.0 gal
Steering Tank	36 L	9.5 gal
Steering System (includes tank)	54 L	14.0 gal
Brake/Hoist Hydraulic Tank	176 L	46.5 gal
Brake Hoist System	322 L	85.0 gal
Torque Converter/Transmission System HRC	70 L	18.0 gal
Torque Converter/Transmission System LRC	61 L	16.0 gal

Weight/Payload Calculation – Tier 4 Final/Stage V Examples

773 – Flat Floor		Base Body	Base Body/Liner	Rubber Liner
Floor/Sidewall/Frontwall	mm (in)	**20/10/12 (0.79/0.39/0.47)**	**36/18/22 (1.42/0.71/0.87)**	**102/8/8 + 20/10/12 (4.0/0.31/0.31) + (0.79/0.39/0.47)**
Payload Capacity	m^3 (yd^3)	**35.5 (46.4)**	**35.0 (45.8)**	**33.3 (43.6)**
	mm (in)	**20 (0.787)**	**36 (1.42)**	**102 (4.0)**
Target Gross Machine Weight	kg (lb)	102 740 (226,503)	102 740 (226,503)	102 740 (226,503)
Empty Chassis Weight	kg (lb)	34 522 (76,107)	34 522 (76,107)	34 522 (76,107)
Body System Weight	kg (lb)	11 423 (25,183)	15 217 (33,547)	15 997 (35,267)
Empty Machine Weight	kg (lb)	45 945 (101,290)	49 739 (109,654)	50 519 (111,374)
Attachments				
Fuel Tank Size	L (gal)	795 (210)	795 (210)	795 (210)
Fuel Tank – 100% Fill	kg (lb)	669 (1,474)	669 (1,474)	669 (1,474)
Empty Operating Weight	kg (lb)	46 614 (102,764)	50 407 (111,128)	51 188 (112,848)
Target Payload (100%)*	kg (lb)	56 126 (123,739)	52 333 (115,375)	51 552 (113,655)
Target Payload Material Density	tonnes (tons)	56.1 (61.9)	52.3 (57.7)	51.6 (56.8)
Maximum Payload (110% of Target)*	kg (lb)	56 126 (123,739)	52 333 (115,375)	51 552 (113,655)
Maximum Payload Material Density	kg (lb)	61 739 (136,112)	57 566 (126,912)	56 708 (125,020)
Not to Exceed Payload (120% of Target)*	kg (lb)	67 352 (148,486)	62 799 (138,449)	61 863 (136,385)
Not to Exceed Payload Material Density	kg (lb)	113 965 (251,251)	113 207 (249,578)	113 050 (249,234)

*Refer to Caterpillar 10/10/20 Payload Policy.

Weight/Payload Calculation – Tier 4 Final/Stage V Examples

773 – Dual Slope		Base Body	Base Body/Liner	No Rubber Liner Offered
Floor/Sidewall/Frontwall	mm (in)	**20/10/12 (0.79/0.39/0.47)**	**36/18/22 (1.42/0.71/0.87)**	
Payload Capacity	m^3 (yd^3)	**35.8 (46.8)**	**35.2 (46.0)**	
	mm (in)	**20 (0.787)**	**36 (1.42)**	
Target Gross Machine Weight	kg (lb)	102 740 (226,503)	102 740 (226,503)	
Empty Chassis Weight	kg (lb)	34 522 (76,107)	34 522 (76,107)	
Body System Weight	kg (lb)	11 049 (24,358)	14 776 (32,575)	
Empty Machine Weight	kg (lb)	45 570 (100,464)	49 298 (108,683)	
Attachments				
Fuel Tank Size	L (gal)	795 (210)	795 (210)	
Fuel Tank – 100% Fill	kg (lb)	669 (1,474)	669 (1,474)	
Empty Operating Weight	kg (lb)	46 239 (101,939)	49 967 (110,158)	
Target Payload (100%)*	kg (lb)	56 501 (124,564)	52 773 (116,345)	
Target Payload Material Density	tonnes (tons)	56.5 (62.3)	52.8 (58.2)	
Maximum Payload (110% of Target)*	kg (lb)	56 501 (124,564)	52 773 (116,345)	
Maximum Payload Material Density	kg (lb)	62 152 (137,020)	58 051 (127,980)	
Not to Exceed Payload (120% of Target)*	kg (lb)	67 802 (149,477)	63 328 (139,614)	
Not to Exceed Payload Material Density	kg (lb)	114 040 (251,416)	113 295 (249,772)	

*Refer to Caterpillar 10/10/20 Payload Policy.

Sideboards (optional)							
Height		Volume Add		Weight		Maximum (110%) Material Density**	
mm	(in)	m^3	(yd^3)	kg	(lb)	kg	(lb)
155	(6.0)	2.9	(3.8)	430	(948)	1681	(342)

**Based on Quarry Body at 90% Body Volume Fill.

Empty Chassis Weight is figured without fuel.

Payload Calculation: Definitions
Empty Machine Weight = Empty Chassis Weight + Body System Weight
Target Payload = Target Gross Machine Weight less Empty Machine Weight
Maximum Payload = Target Payload × 1.10 (110%)

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Weight/Payload Calculation – Tier 2 Equivalent Examples

773 – Flat Floor		Base Body	Base Body/Liner	Rubber Liner
Floor/Sidewall/Frontwall	mm (in)	**20/10/12 (0.79/0.39/0.47)**	**36/18/22 (1.42/0.71/0.87)**	**102/8/8 + 20/10/12 (4.0/0.31/0.31) + (0.79/0.39/0.47)**
Payload Capacity	m^3 (yd^3)	**35.5 (46.4)**	**35.0 (45.8)**	**33.3 (43.6)**
	mm (in)	**20 (0.787)**	**36 (1.42)**	**102 (4.0)**
Target Gross Machine Weight	kg (lb)	102 740 (226,503)	102 740 (226,503)	102 740 (226,503)
Empty Chassis Weight	kg (lb)	33 867 (74,663)	33 867 (74,663)	33 867 (74,663)
Body System Weight	kg (lb)	11 423 (25,183)	15 217 (33,547)	15 997 (35,267)
Empty Machine Weight	kg (lb)	45 290 (99,846)	49 084 (108,210)	49 864 (109,930)
Attachments				
Fuel Tank Size	L (gal)	795 (210)	795 (210)	795 (210)
Fuel Tank – 100% Fill	kg (lb)	669 (1,474)	669 (1,474)	669 (1,474)
Empty Operating Weight	kg (lb)	45 959 (101,322)	49 752 (109,684)	50 533 (111,406)
Target Payload (100%)*	kg (lb)	56 781 (125,181)	52 988 (116,819)	52 207 (115,097)
Target Payload Material Density	tonnes (tons)	56.8 (62.6)	53.0 (58.4)	52.2 (57.5)
Maximum Payload (110% of Target)*	kg (lb)	56 781 (125,181)	52 988 (116,819)	52 207 (115,097)
Maximum Payload Material Density	kg (lb)	62 460 (137,699)	58 287 (128,500)	57 428 (126,607)
Not to Exceed Payload (120% of Target)*	kg (lb)	68 138 (150,217)	63 585 (140,182)	62 649 (138,116)
Not to Exceed Payload Material Density	kg (lb)	114 096 (251,539)	113 338 (249,867)	113 181 (249,522)

*Refer to Caterpillar 10/10/20 Payload Policy.

Weight/Payload Calculation – Tier 2 Equivalent Examples

773 – Dual Slope		Base Body	Base Body/Liner	No Rubber Liner Offered
Floor/Sidewall/Frontwall	mm (in)	**20/10/12 (0.79/0.39/0.47)**	**36/18/22 (1.42/0.71/0.87)**	
Payload Capacity	m^3 (yd^3)	**35.8 (46.8)**	**35.2 (46.0)**	
	mm (in)	**20 (0.787)**	**36 (1.42)**	
Target Gross Machine Weight	kg (lb)	102 740 (226,503)	102 740 (226,503)	
Empty Chassis Weight	kg (lb)	33 867 (74,663)	33 867 (74,663)	
Body System Weight	kg (lb)	11 049 (24,358)	14 776 (32,575)	
Empty Machine Weight	kg (lb)	44 916 (99,022)	48 643 (107,239)	
Attachments				
Fuel Tank Size	L (gal)	795 (210)	795 (210)	
Fuel Tank – 100% Fill	kg (lb)	669 (1,474)	669 (1,474)	
Empty Operating Weight	kg (lb)	45 585 (100,497)	49 312 (108,714)	
Target Payload (100%)*	kg (lb)	57 155 (126,006)	53 428 (117,789)	
Target Payload Material Density	tonnes (tons)	57.2 (63.0)	53.4 (58.9)	
Maximum Payload (110% of Target)*	kg (lb)	57 155 (126,006)	53 428 (117,789)	
Maximum Payload Material Density	kg (lb)	62 871 (138,607)	58 771 (129,568)	
Not to Exceed Payload (120% of Target)*	kg (lb)	68 586 (151,207)	64 114 (141,347)	
Not to Exceed Payload Material Density	kg (lb)	114 171 (251,704)	113 426 (250,061)	

*Refer to Caterpillar 10/10/20 Payload Policy.

Sideboards (optional)							
Height		Volume Add		Weight		Maximum (110%) Material Density**	
mm	(in)	m^3	(yd^3)	kg	(lb)	kg	(lb)
155	(6.0)	2.9	(3.8)	430	(948)	1681	(342)

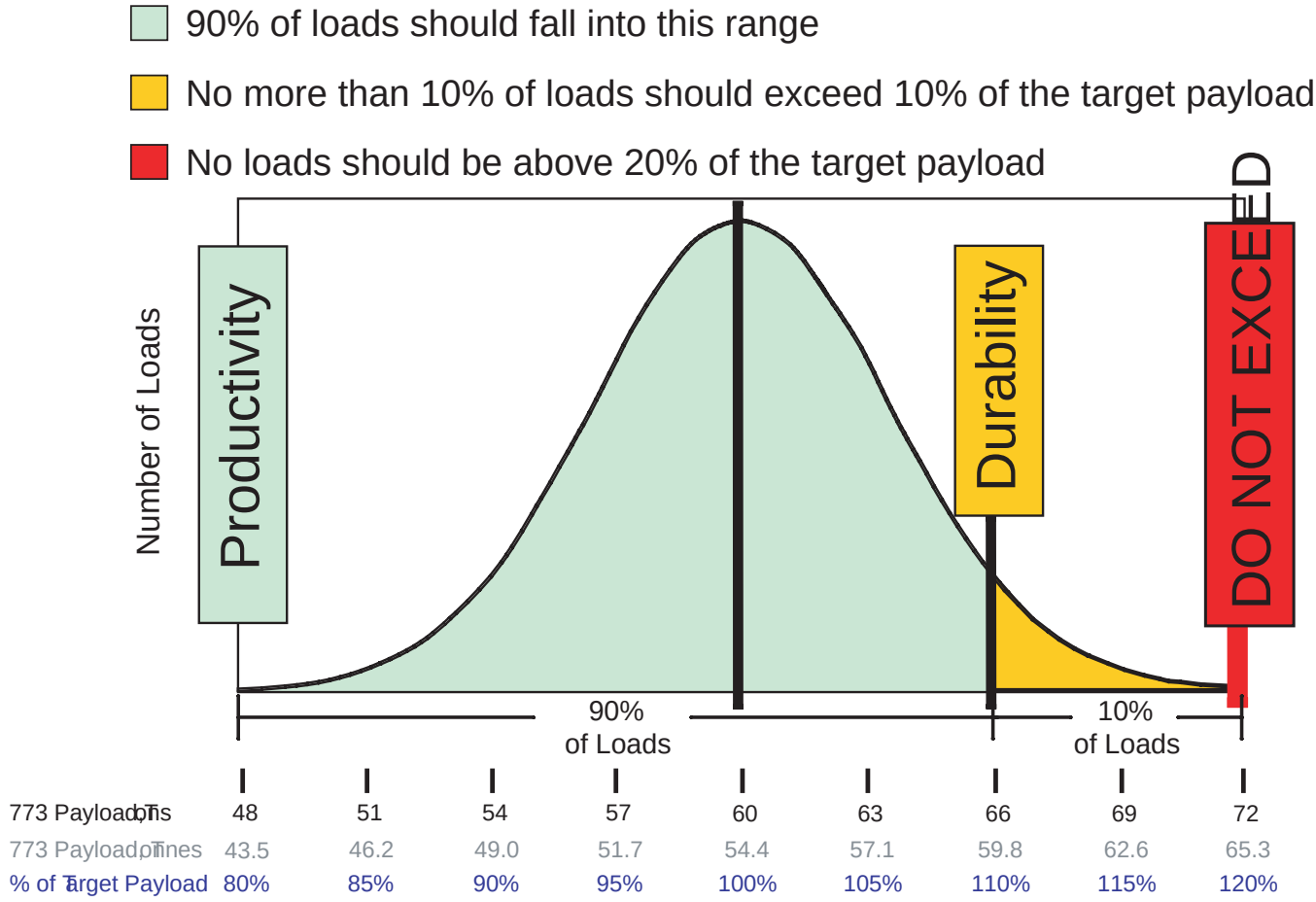
**Based on Quarry Body at 90% Body Volume Fill.

Empty Chassis Weight is figured without fuel.

Payload Calculation: Definitions
Empty Machine Weight = Empty Chassis Weight + Body System Weight
Target Payload = Target Gross Machine Weight less Empty Machine Weight
Maximum Payload = Target Payload × 1.10 (110%)

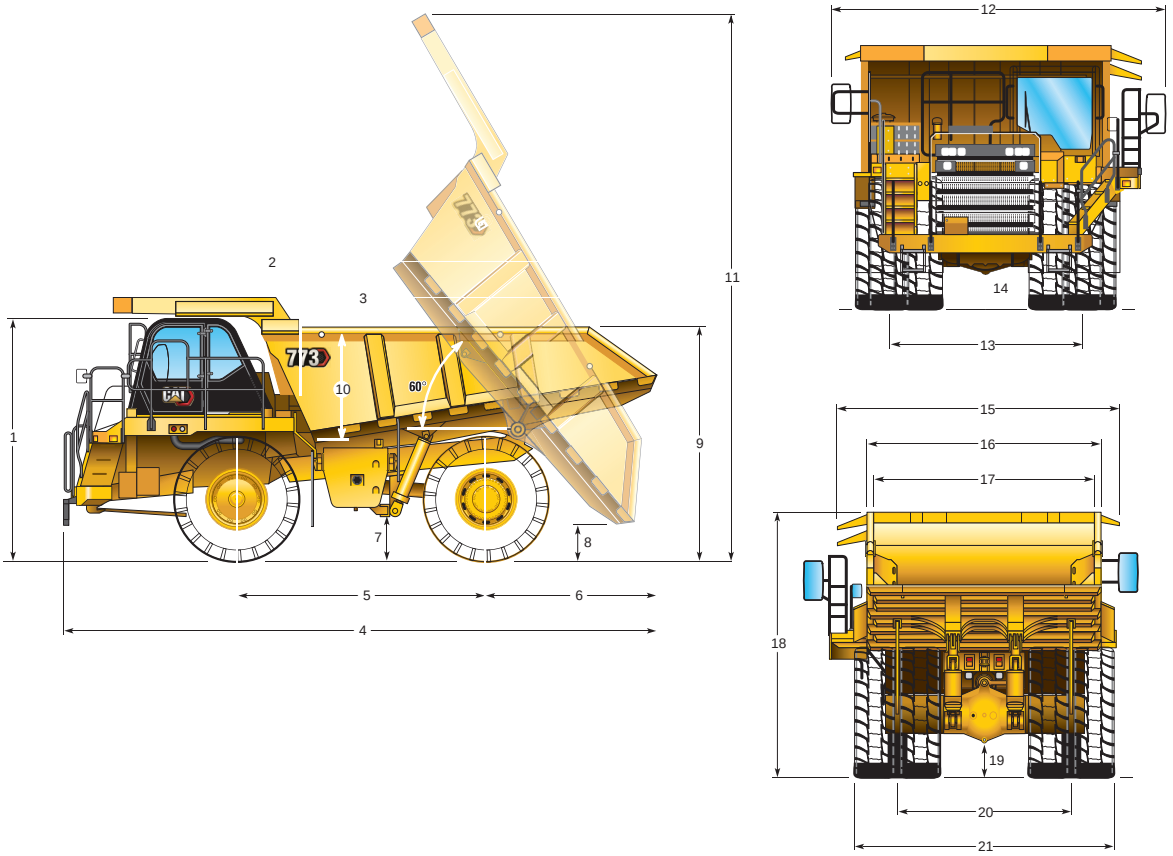
10/10/20 Payload Management Policy for Optimal Machine Life

The ideal hauling strategy that maximizes machine and machine component life is to keep the mean of all payloads at or below the machine's rated target payload.



Dimensions

All dimensions are approximate.

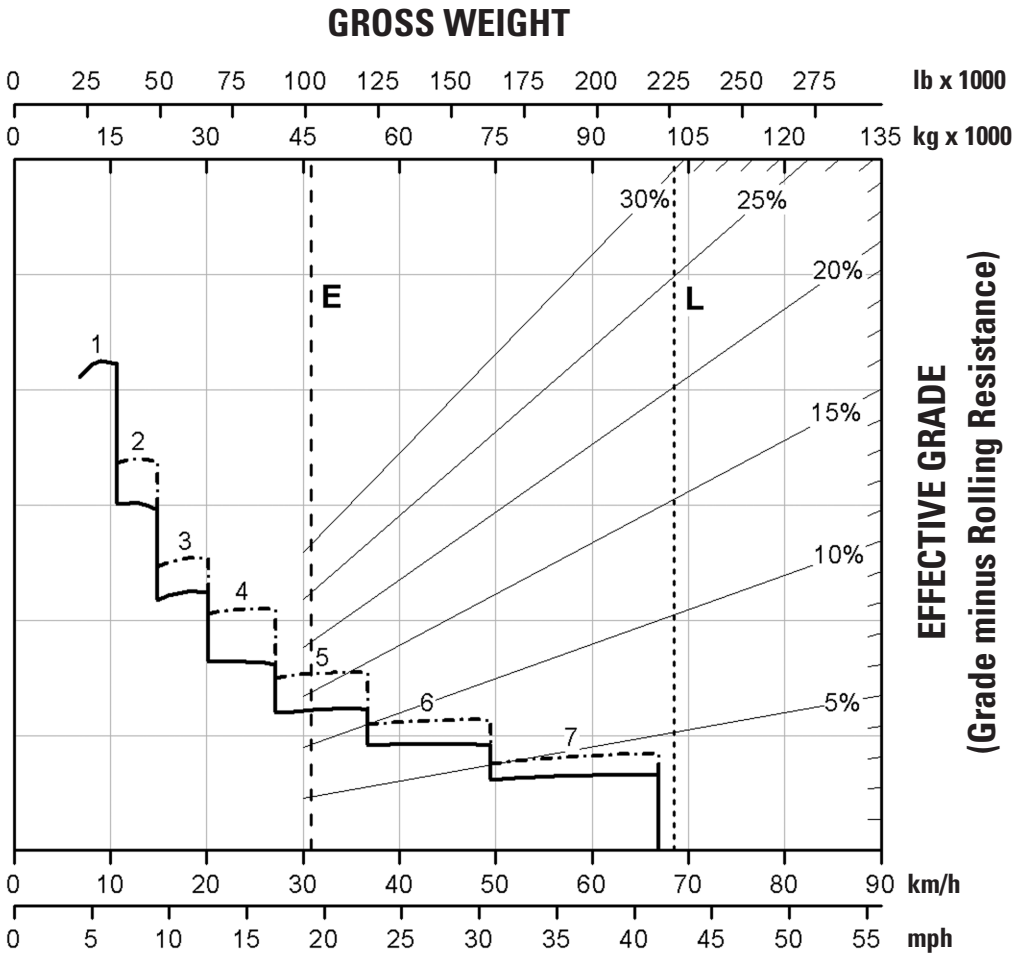


		Dual Slope		Flat Floor	
1	Height to Top of ROPS	4108 mm	13'6"	4108 mm	13'6"
2	Overall Body Length	9216 mm	30'3"	9293 mm	30'6"
3	Inside Body Length	6100 mm	20'0"	6100 mm	20'0"
4	Overall Length	10 070 mm	33'0"	10 146 mm	33'3"
5	Wheelbase	4215 mm	13'10"	4215 mm	13'10"
6	Rear Axle to Tail	2925 mm	9'7"	3006 mm	9'10"
7	Ground Clearance	759 mm	2'6"	759 mm	2'6"
8	Dump Clearance	639 mm	2'1"	640 mm	2'1"
9	Loading Height – Empty	3771 mm	12'4"	3771 mm	12'4"
10	Inside Body Depth – Maximum	1773 mm	5'10"	1727 mm	5'8"
11	Overall Height – Body Raised	9284 mm	30'6"	9280 mm	30'5"
12	Operating Width	5673 mm	18'7"	5673 mm	18'7"
13	Centerline Front Tire Width	3205 mm	10'6"	3205 mm	10'6"
14	Engine Guard Clearance	703 mm	2'4"	703 mm	2'4"
15	Overall Canopy Width	4886 mm	16'0"	4886 mm	16'0"
16	Outside Body Width	3922 mm	12'10"	3922 mm	12'10"
17	Inside Body Width	3654 mm	11'9"	3654 mm	11'9"
18	Front Canopy Height	4459 mm	14'8"	4459 mm	14'8"
19	Rear Axle Clearance	560 mm	1'10"	560 mm	1'10"
20	Centerline Rear Dual Tire Width	2929 mm	9'7"	2929 mm	9'7"
21	Overall Tire Width	4411 mm	14'6"	4411 mm	14'6"

Retarding Performance (Tier 4/Stage V)

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 24.00R35 (E4) 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.



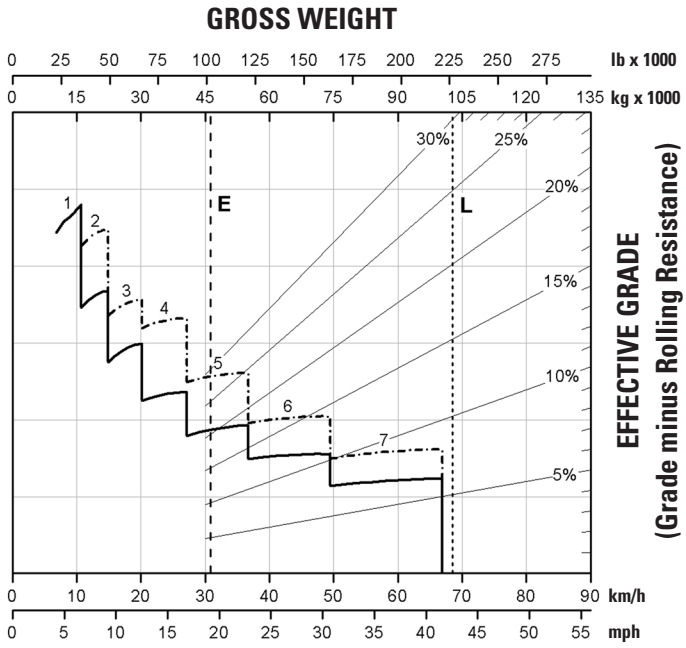
——— with ARC only

-·-·-·- ARC and Engine Brake

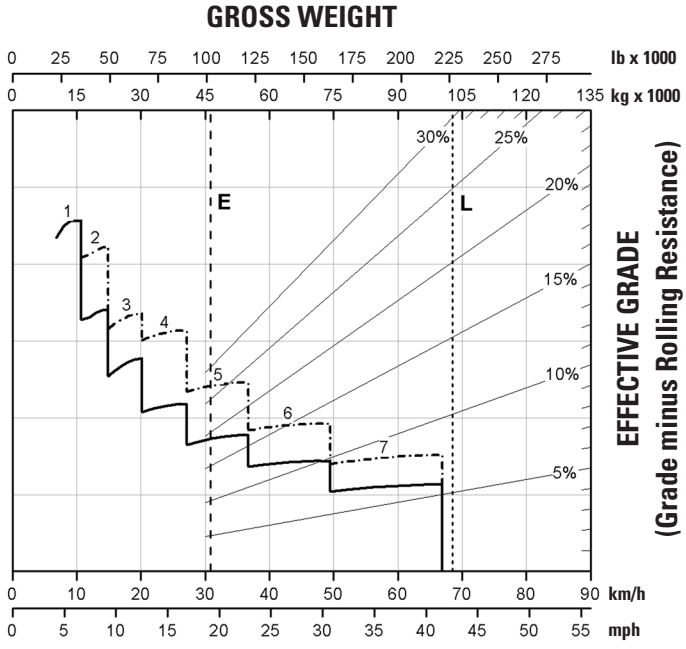
E – Typical Field Empty Weight

L – Target Gross Machine Operating Weight 102 739 kg (226,500 lb)

Retarding Performance (Tier 4/Stage V)



Grade Distance – 450 m (1,500 ft)



Grade Distance – 600 m (2,000 ft)

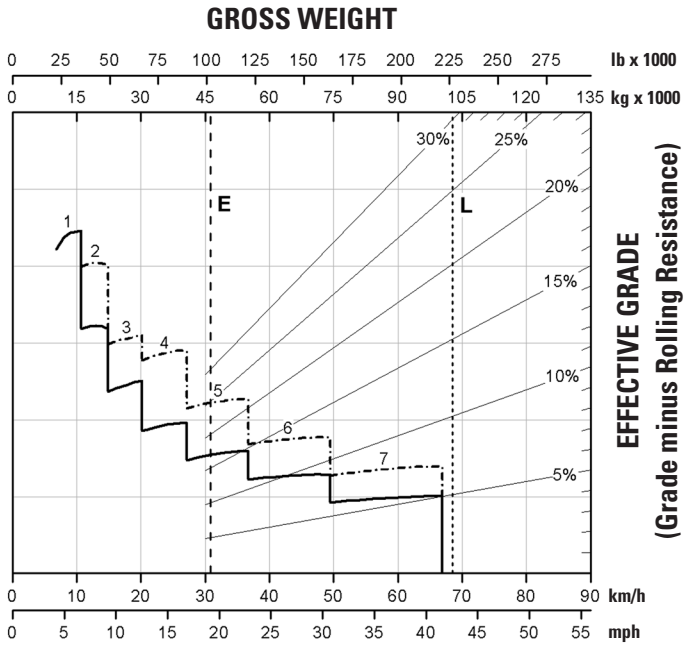
——— with ARC only

- · — · — · ARC and Engine Brake

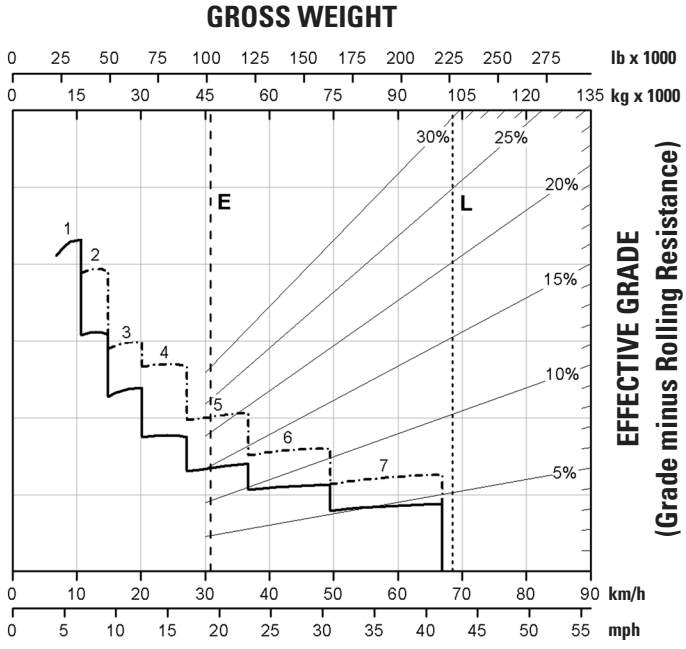
E – Typical Field Empty Weight

L – Target Gross Machine Operating Weight 102 739 kg (226,500 lb)

Retarding Performance (Tier 4/Stage V)



Grade Distance – 900 m (3,000 ft)



Grade Distance – 1500 m (5,000 ft)

——— with ARC only

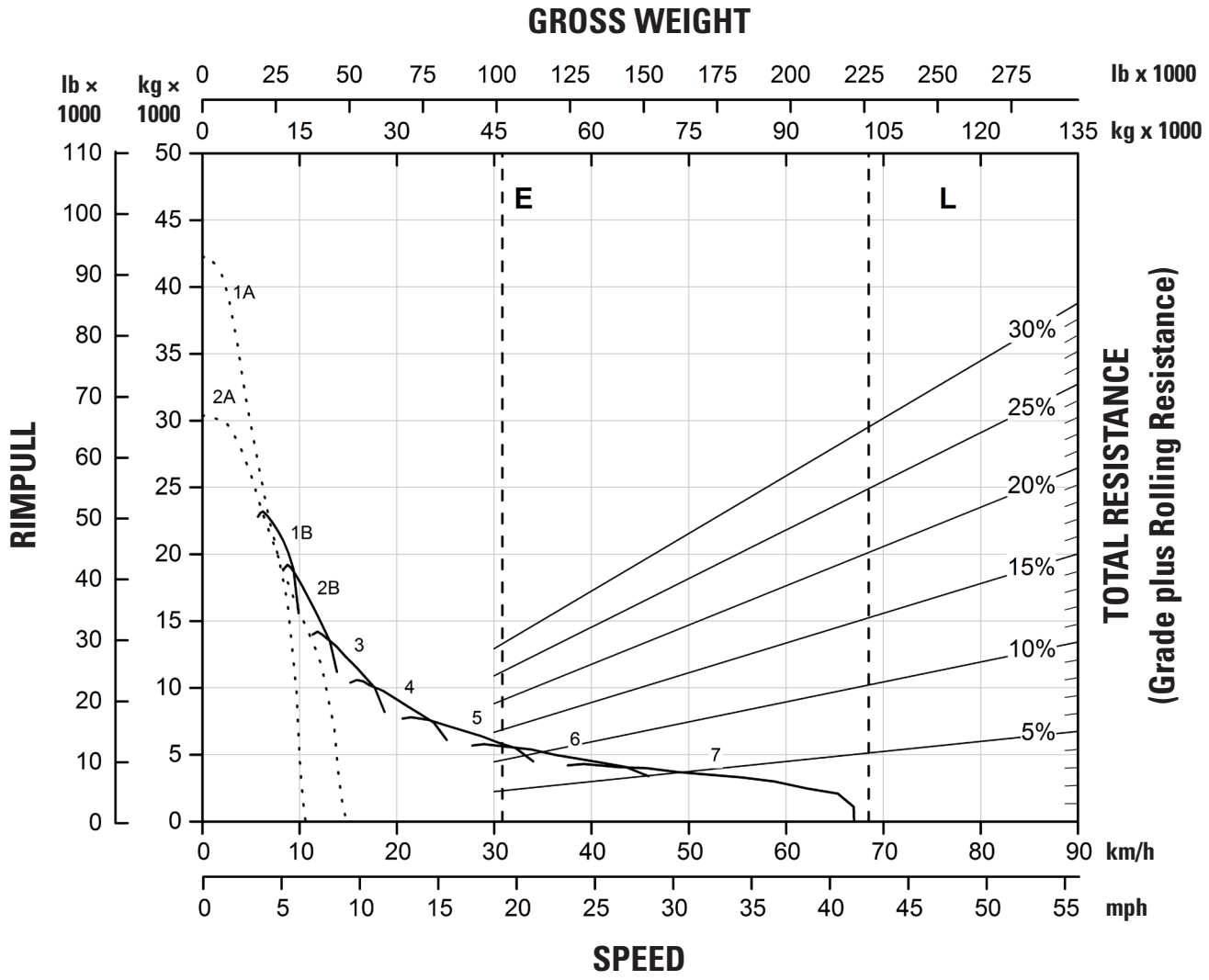
– – – – ARC and Engine Brake

E – Typical Field Empty Weight

L – Target Gross Machine Operating Weight 102 739 kg (226,500 lb)

Gradeability/Speed/Rimpull (Tier 4/Stage V)

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

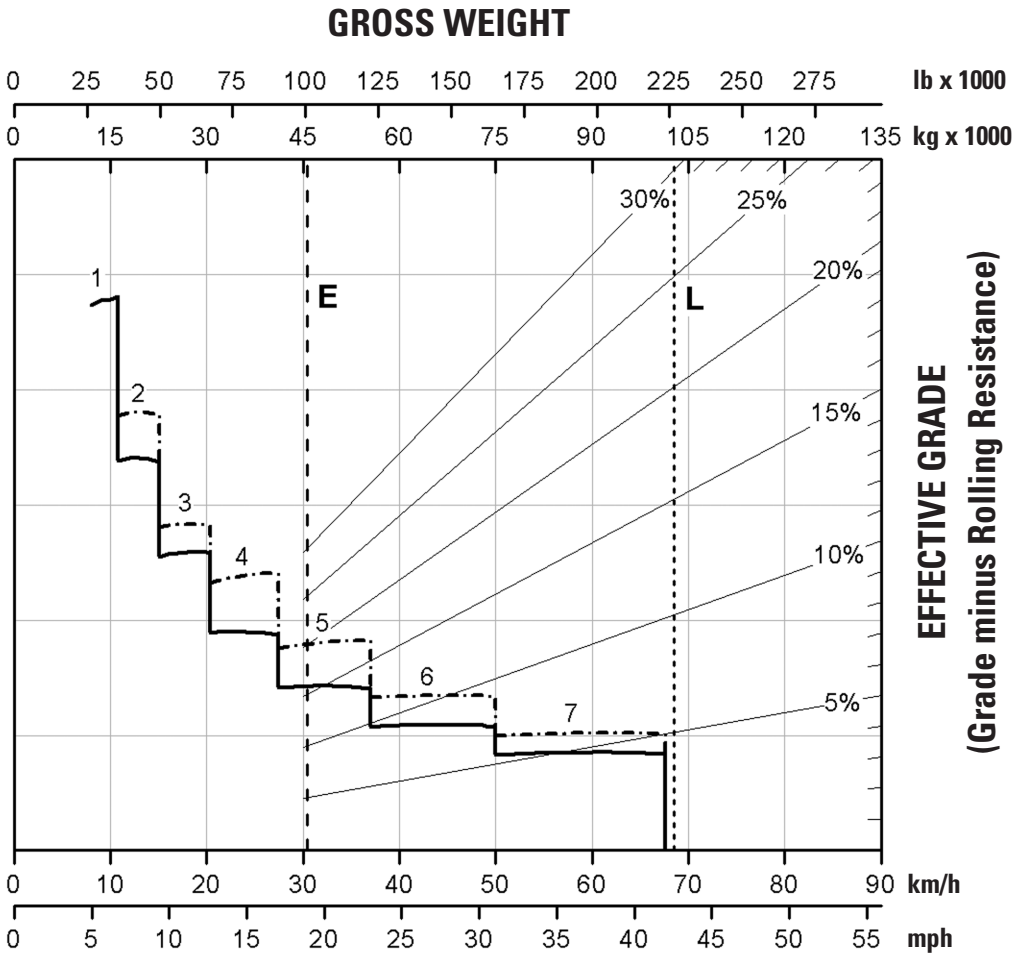
E – Typical Field Empty Weight

L – Target Gross Machine Operating Weight 102 739 kg (226,500 lb)

Retarding Performance (Tier 2 Equivalent)

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 24.00R35 (E4) 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.



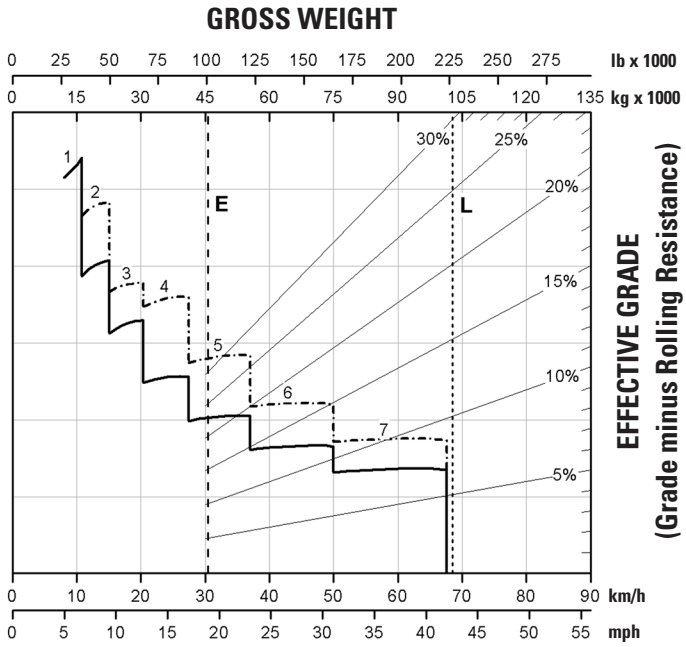
——— with ARC only

-·-·-·- ARC and Engine Brake

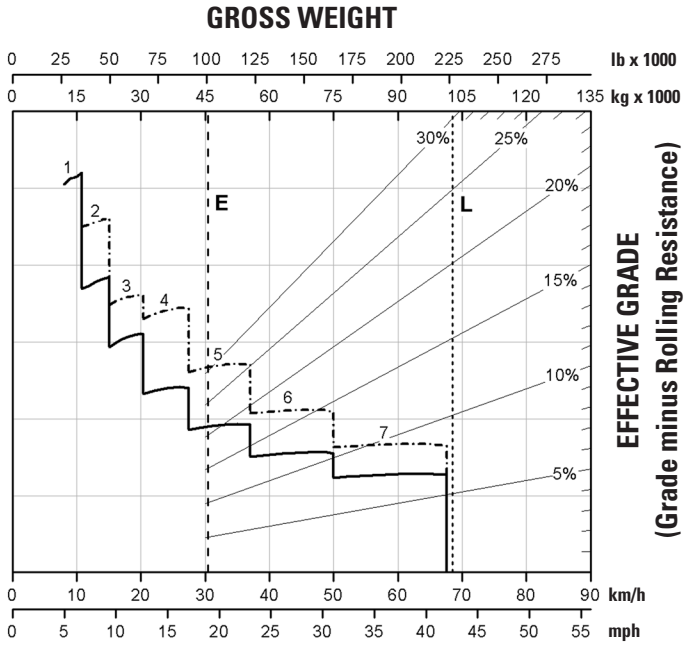
E – Typical Field Empty Weight

L – Target Gross Machine Operating Weight 102 739 kg (226,500 lb)

Retarding Performance (Tier 2 Equivalent)



Grade Distance – 450 m (1,500 ft)



Grade Distance – 600 m (2,000 ft)

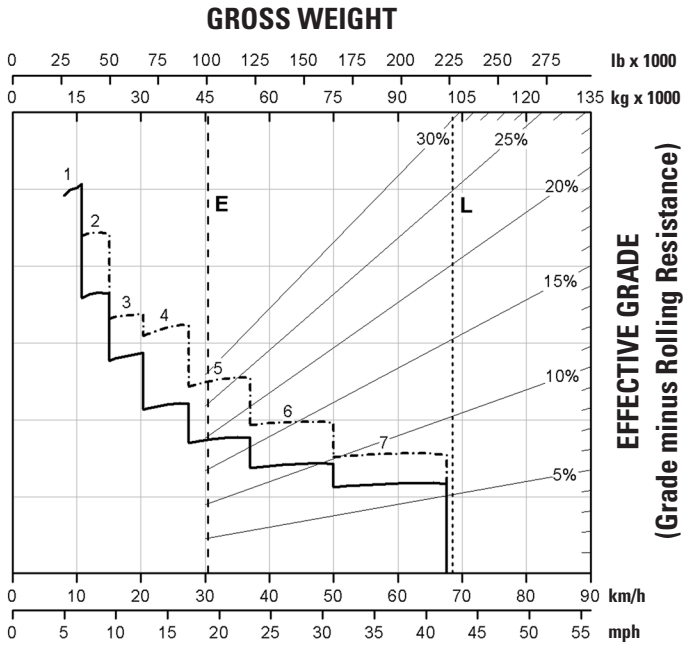
——— with ARC only

- · — · — · ARC and Engine Brake

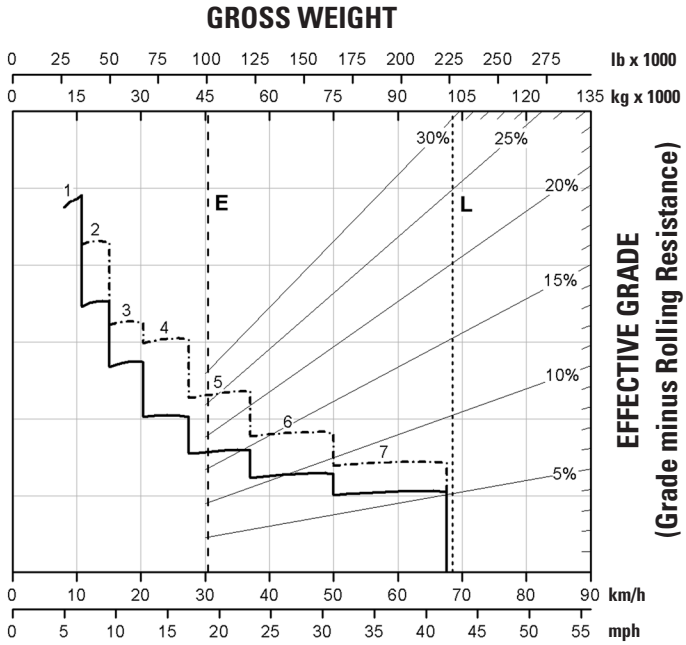
E – Typical Field Empty Weight

L – Target Gross Machine Operating Weight 102 739 kg (226,500 lb)

Retarding Performance (Tier 2 Equivalent)



Grade Distance – 900 m (3,000 ft)



Grade Distance – 1500 m (5,000 ft)

——— with ARC only

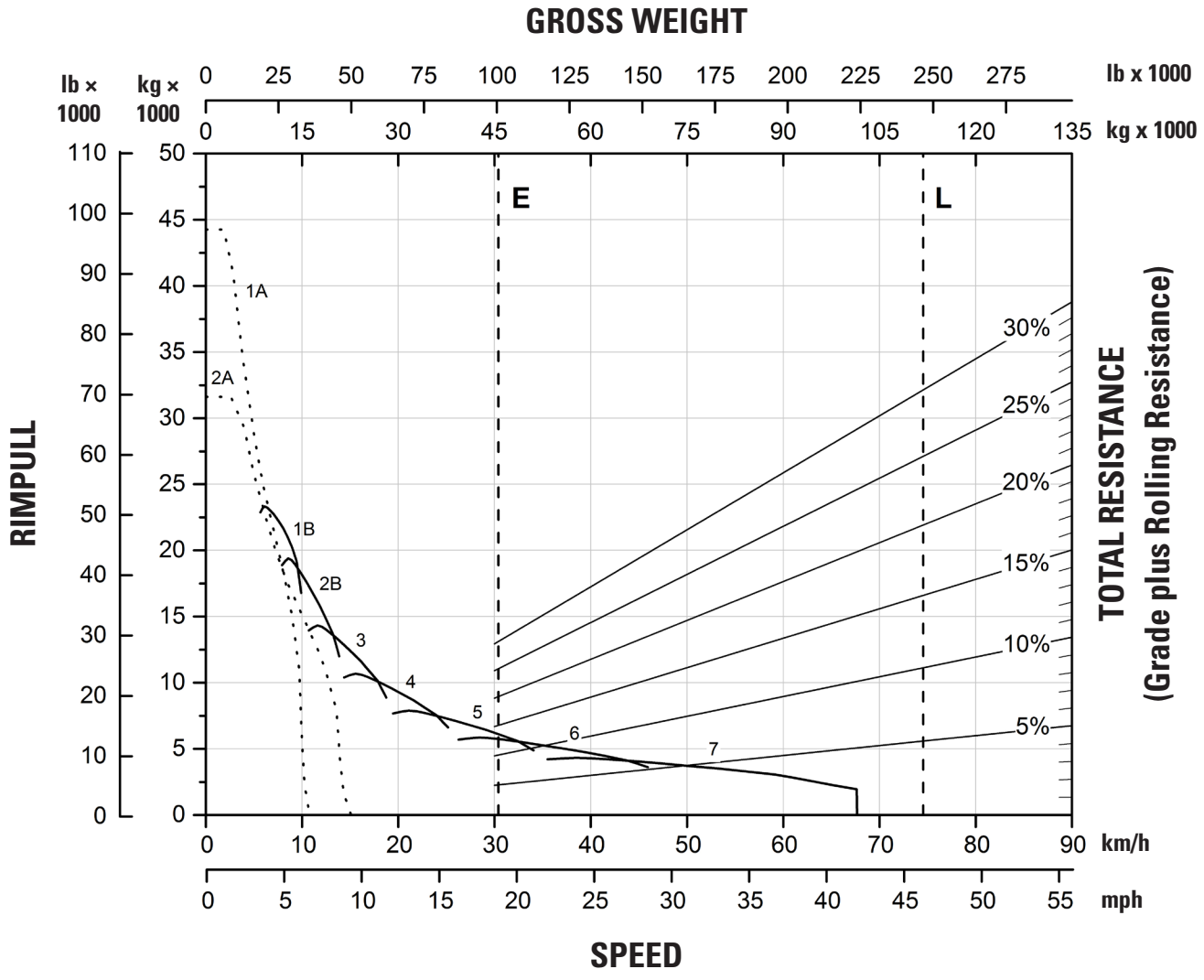
- - - - ARC and Engine Brake

E – Typical Field Empty Weight

L – Target Gross Machine Operating Weight 102 739 kg (226,500 lb)

Gradeability/Speed/Rimpull (Tier 2 Equivalent)

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 102 739 kg (226,500 lb)

773 Off-Highway Truck Specifications

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
POWERTRAIN		
C27 U.S. EPA Tier 4 Final/EU Stage V or U.S. EPA Tier 2 equivalent diesel engine: air cleaner with precleaner (2), air-to-air aftercooler (ATAAC), electric start, engine idle shutdown, ether starting aid, exhaust muf er, next generation modular radiator (NGMR)	9	
Braking system: extended life brakes, automatic retarder control (ARC), manual retarder (utilizes rear oil-cooled, multiple disc brakes), brake release motor (towing), dry disc brakes (front), brake disconnect switch (front), oil-cooled multiple disc brakes (rear), brake wear indicator (rear), parking brake, secondary brake, service brake	9	
Cat® engine brake		9
NO_X reduction system (NRS), diesel oxidation catalyst (DOC); demand fan; Mechanically Actuated Electronic Unit Injection (MEUI™) -C fuel system (Tier 4 Final/Stage V only)	9	
Transmission: 7-speed automatic powershift with electronic clutch pressure control (ECPC), advanced productivity electronic control strategy (APECS); automatic neutral idle, autostall, second gear start	9	
ELECTRICAL		
Alarm, backup	9	
Alternator, 120 ampere	9	
Autolube power supply ready	9	
Batteries, maintenance-free, 12V (2), 1,400 CCA combined	9	
Electrical system, 25 amp, 24V to 12V converter	9	
Lighting system: backup light (halogen), directional signals/hazard warning (front and rear LED), engine compartment light, headlights (halogen) with dimmer, operator access courtesy lights, side pro le lights, stop/tail lights (LED)	9	
Service center containing: battery jump start, breakers with spare fuses, lockout switch, ports – electronic technician (ET) and advanced health, service lockout switch (power without engine start)	9	
OPERATOR ENVIRONMENT		
Advisor display: air cleaner service indicator, uid level monitoring, fuel level monitoring, display languages (market based)	9	
Air conditioning/heat	9	
Ashtray and cigarette lighter	9	
Automatic temperature control	9	

	Standard	Optional
OPERATOR ENVIRONMENT (CONTINUED)		
Cab precleaner		9
Coat hook	9	
Cup holders (4)	9	
Diagnostic connection port, 24V	9	
Entertainment radio ready: 5 amp converter, speakers, antenna, wiring harness	9	
Foot rest	9	
Gauges/indicators: brake oil temperature gauge, coolant temperature gauge, engine overspeed indicator, fuel level, hour meter, speedometer with odometer, tachometer, transmission gear indicator	9	
Hoist lever	9	
Horn	9	
Light: courtesy, dome	9	
Lights – high intensity discharge (HID)		9
Mirrors: convex, heated		9
Mirrors, non-heated	9	
Power port, 24V and 12V (2)	9	
Rollover protective structure (ROPS)/ falling objects protective structure (FOPS)	9	
Seat, Cat Comfort Series III: full air suspension, retractable 3-point seat belt with shoulder harness	9	
Seat, training with lap belt	9	
Steering wheel, padded, tilt and telescopic	9	
Storage compartment	9	
Sun visor	9	
Throttle lock	9	
Visibility package (meets ISO 5006:2017 requirements)		9
Window, hinged, right side (emergency exit)	9	
Window, powered, left side	9	
Windshield wiper, intermittent, and washer	9	
Work area vision system (WAVS)		9
TECHNOLOGY PRODUCTS		
Economy modes, standard and adaptive	9	
Product Link™, cellular or satellite	9	
Traction control system (TCS)	9	
Truck production management system	9	
Advanced health	9	

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

OTHER		
Antifreeze	9	
Body heat		9
Body liner		9
Body sideboards		9
Body down indicator	9	
Body safety pin (secures body in up position)	9	
Center-mounted rims	9	
Clustered grease ttings		9
Cold weather packages		9
Driveline guards	9	
Engine crankcase guards	9	
Extended life coolant to -34°C (-30°F)	9	
Fan guards	9	
Fluid ll service center		9
Fuel tank, 795 L (210 gal)	9	
Ground-level battery disconnect	9	

OTHER (CONTINUED)		
Ground-level engine shutdown	9	
Ground-level grease ttings	9	
Grouped ground-level lters	9	
Operator maintenance manual (OMM)	9	
Rims 17 × 35	9	
Rock ejectors	9	
Secondary steering (electric)	9	
Spare rim		9
Suspension, front and rear (EU compliant)	9	
Tie down eyes	9	
Tow hooks, front/tow pin, rear	9	
Wheel chocks		9
Vandalism protection locks	9	

773 Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit https://www.caterpillar.com/en/company/sustainability.

C

Engine

- The Cat® & HQJLQH LV DYDLODEOH LQ FRQ¿JXUDWLRQV WKDW PHHW 8 6 (3$ 7LHU)LQDO DQG (8 6WDJH 9 HPLVVLRQ VWDQGDUGV RU HTXLYDOHQW WR 8 6 (3$ 7LHU
- &DW 8 6 (3$ 7LHU)LQDO DQG (8 6WDJH 9 GLHVHO HQJLQHV DUH TXLUHG WR XVH 8/6' XOWUD ORZ VXOIXU GLHVHO IXHO ZLWK VXOIXU FRQWHQW OHVV WKDQ SSP 8/6' EOHQGHG ZLWK WKH IROORZLQJ ORZHU 9 ELRGLHVHO)$0(IDWW\ DFLG PHWK\O HVWHU 9 UHQHZDEOH GLHVHO +92 K\GURJHQDWHG YHJHWDEOH RLO DQG *7/ JDV WR OLTXLG IXHOV
- &DW HQJLQHV HTXLYDOHQW WR 8 6 (3$ 7LHU)LQDO DQG (8 6WDJH 9 ZLWK WKH IROORZLQJ ORZHU FDUERQ IXHOV 9 ELRGLHVHO)$0(IDWW\ DFLG PHWK\O HVWHU 9 UHQHZDEOH GLHVHO +92 K\GURJHQDWHG YHJHWDEOH RLO DQG *7/ JDV WR OLTXLG IXHOV 5HIHU WR JXLGHOLQHV IRU VXFFHVVIXO DSSOLFDWLRQ 3OHDVH FRQVXOW \RXU &DW GHDOHU RU ³&DWHUSLOODU 0DFKLQH)OXLGV IRU GHWDLOV
  *Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.
  **For use of blends higher than 20% biodiesel, consult your Cat dealer.
*** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Air Conditioning System

‡ 7KH DLU FRQGLWLRQLQJ V\VWHP RQ WKLV PDFKLQH FRQWDLQV WKH ÀXRULQDWHG JUHHQKRXVH JDV UHIULJHUDQW 5 D *OREDO :DUPLQJ 3RWHQWLDO 7KH V\VWHP FRQWDLQV NJ OE RI ,QYROYHG &2 (TXLYDOHQW RI PHWULF WRQQHV WRQV

Paint

- %DVHG RQ EHVW DYDLODEOH NQRZOHGJH WKH PDMRLPXP DOORZDEOH FRQFHQWUDWLRQ PHDVXUHG LQ SDUWV SHU PLOOLRQ KHDY\ PHWDOV LQ SDLQW DUH
  ± %DULXP
  ± &DGPLXP
  ± &KURPLXP
  ± /HDG

Sound Performance

- 7KH RSHUDWRU (TXLYDOHQW 6RXQG 3UHVVXUH /HYHO DW HDU RI WKH RSHUDWRU 6$(-)(% LV XVHG WR PHDVXUH WKH YDOXH IRU DQ HQFORVHG FDE 7KLV LV D ZRUN F\FOH VRXQG H[SRVXUH OHYHO 7KH FDE ZDV SURPHUO\ LQVWDOOHG DQG PDLQWDLQHG 7KH WHVW ZDV FRQGXFWHG ZLWK WKH FDE GRRUV DQG WKH FDE ZLQGRZV FORVHG
- 7KH H[WHULRU VRXQG SUHVVXUH OHYHO IRU WKH HQFORVHG FDE LV GLVWDQFH RI P IW DFFRUGLQJ WR WKH WHVW SURFHGXUH VSHFL¿HG LQ 6$(- PLG JHDU PRYLQJ RSHUDWLRQ LV G%$
- +HDULQJ SURWHFWLRQ PD\ EH QHHGHG ZKHQ RSHUDWLQJ WKLV PDFKLQH IRU H[WHQGHG SHULRGV RU LQ D QRLV\ HQYLURQPHQW

Oils and Fluids

- &DWHUSLOODU IDFWRU\ ¿OOV ZLWK HWK\OHQH JO\FRO FRRODQWV &DW 'LHVHO (QJLQH $QWLIUHH]H &RRODQW '($& DQG &DW ([WHQGHG /LIH &RRODQW (/& FDQ EH UHF\FOHG &RQVXOW \RXU &DW GHDOHU IRU PRUH LQIRUPDWLRQ
- &DW %LR +<'2 $GYDQFHG LV DQ (8 (FRGHVLJ DSSURYHG ELRGHJUDGDEOH K\GUDXOLF RLO
- $GGLWLRQDO ÀXLGV DUH OLNHO\ WR EH SUHVHQW SOHDVH FRQVXOW WKH 2SHUDWLRQ DQG 0DLQWHQDQFH 0DQXDO RU WKH $SSOLFDWLRQ DQG ,QVWDOODWLRQ JXLGH IRU FRPSOHWH ÀXLG UHFRPPHQGDWLRQV DQG PDLQWHQDQFH LQWHUYDOV

Features and Technology

- 7KH IROORZLQJ IHDWXUHV DQG WHFKQRORJ\ DQG RU FDUERQ IXHO FRQVXPSWL DUH DYDLODEOH RQ 3UHFHGH)HDWXUHV PD\ GHSHQG RQ PDFKLQH FRQ¿JXUDWLRQ ±$XWRPDWLF DXWRPRWLYH V\VWHP RSWLPL]HV IXHO FRQVXPSWL ±$XWRPDWLF HQJLQH LGOH VKXWGRZQ FRQV ±$XWRPDWLF LGOH DGMXVWPHQW DQG DXWRPDWLF VKXWGRZQ RI W HQJLQHV DIWHU D SUHVHW SHULRG RI LGOLQJ ±7UDFWRU FRQWURO V\VWHP PRQLWRUV V\VWHP SDUDPHWHUV SU conditions ±/RQJHU VHUYLFH OLIH IRU K\GUDXOLF RLO ¿ KRXU UHSODFHPHQW LQWHUYDO

Recycling

- 7KH PDWHULDOV LQFOXGHG LQ PDFKLQHV DUH DSSUR[LPDWH ZHLJKW SHUFHQWDJHV FRQ¿JXUDWLRQV WKH IROORZLQJ YDOXHV LQ

Material Type	Weight Percentage
6WHHO	
,URQ	
1RQIHUURXV 0HWDO	
0L[HG 0HWDOV	7KH
3ODVWLF	
5XEEHU	
0L[HG 1RQPHWDOOLF	
)OXLG	
2WKHU	
8QFDWHJRUL]HG	
Total	

- $ PDFKLQH ZLWK KLJKHU UHF\FODELOLW\ UDWH XVDJH RI YDOXDEOH QDWXUDO UHVRXUFHV DQG RI WKH SURGXFW $FFRUGLQJ WR ,62 (D 5HF\FODELOLW\ DQG UHFRYHUDELOLW\ ± 7HFK UHF\FODELOLW\ UDWH LV GH¿QHG DV SHUFHQW SHUFHQW RI WKH QHZ PDFKLQH SRWHQWLDO EDVHG RQ D OLVW RI FRPSRQHQWV GH¿QHG E &(0$ &RQVWUXFWLRQ (TXLSPHQW 0DQXIDFWX 5HRDLQJ SDUWV DUH IXUWKHU HYDOXDWHG W\SH G%$ 7KH SHUFHQWDJH RI YDOXDEOH PDWHULDOV RSHUDWLRQ DQG PDLQWHQDQFH

5HF\FODELOLW\ ±