



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

Engine Model	Cat® C27	
Rated Speed	1,800 rpm	
Gross Power – SAE J1995:2014	615 kW	825 hp
Net Power – ISO 14396:2002	605 kW	812 hp
Net Power – SAE J1349:2011	572 kW	768 hp
Net Power – ISO 9249:2007	578 kW	775 hp
Engine Power – ISO 14396	568 kW	762 hp
Net Torque Speed	1,200 rpm	
Net Torque – J1349:2011	4269 N·m	3,148 lb·ft
Net Torque Rise – SAE J1349:2011	40%	
Bore	137 mm	5.4 in
Stroke	152 mm	6 in
Displacement	27 L	1,648 in ³

Engine – U.S. EPA Tier 2 Equivalent

Engine Model	Cat C27	
Rated Speed	2,000 rpm	
Gross Power – J1995:2014	615 kW	825 hp
Net Power – ISO 14396:2002	607 kW	813 hp
Net Power – SAE J1349:2011	584 kW	783 hp
Net Power – ISO 9249:2007	590 kW	791 hp
Engine Power – ISO 14396	569 kW	763 hp
Net Torque Speed	1,300 rpm	
Net Torque – SAE J1349:2011	3896 N·m	2,874 lb·ft
Net Torque Rise – SAE J1349:2011	40%	
Bore	137 mm	5.4 in
Stroke	152 mm	6 in
Displacement	27 L	1,648 in ³

- The power ratings are tested at the reference conditions for the specified standard.
- Net power advertised is the power available at the rated speed, measured at the flywheel when the engine is equipped with alternator, air cleaner, muffler, and fan.
- MIN NET SAE J1349:2011/ISO 9249:2007 Net power advertised is the power available at the flywheel when the engine is equipped with fan at maximum speed, air intake system, exhaust system, and alternator.
- Net torque rise meets SAE J1349.

Transmission – Tier 4 Final and 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
Forward 7 – (Vietnam)*	59.0 km/h	36.6 mph
Reverse	14.1 km/h	8.8 mph

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

*Maximum travel speed limited to 59 km/h for Vietnam arrangement.

Final Drives

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

Brakes

Brake Surface – Front	655 cm ²	257 in ²
Brake Surface – Rear	61 269 cm ²	9,497 in ²
Brake Standards	ISO 3450:2011	

Body Hoists – Tier 4 Final and 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	52%
Front Axle – Loaded	34%
Rear Axle – Empty	48%
Rear Axle – Loaded	66%

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 – Tier 4 Final and Stage V

Operator Sound Level (ISO 6396:2008)	74 dB(A)
Machine Sound Level (ISO 6395:2008)	115 dB(A)

Sound – Tier 2 and Tier 3 Equivalent

Operator Sound Level (ISO 6396:2008)	77 dB(A)
Machine Sound Level (ISO 6395:2008)	119 dB(A)

- The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for the standard machine configuration. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- The machine sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for the standard machine configuration. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. Refer to the machine labeling or identification of the gas.
- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.9 kg (4.2 lb) of refrigerant which has a CO₂ equivalent of 2.71 metric tonnes (2.99 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.85 kg (4.1 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Steering

Steering Standards	ISO 5010:2019
Steer Angle	31°
Turning Diameter – Front	22.0 m
Turning Circle Clearance Diameter	25.0 m

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 (TMMPH) 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	140 L	37.0 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

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Weight/Payload Calculation – Tier 4 Final and 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 and Payload Calculation – Tier 4 Final and 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 and 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 and 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

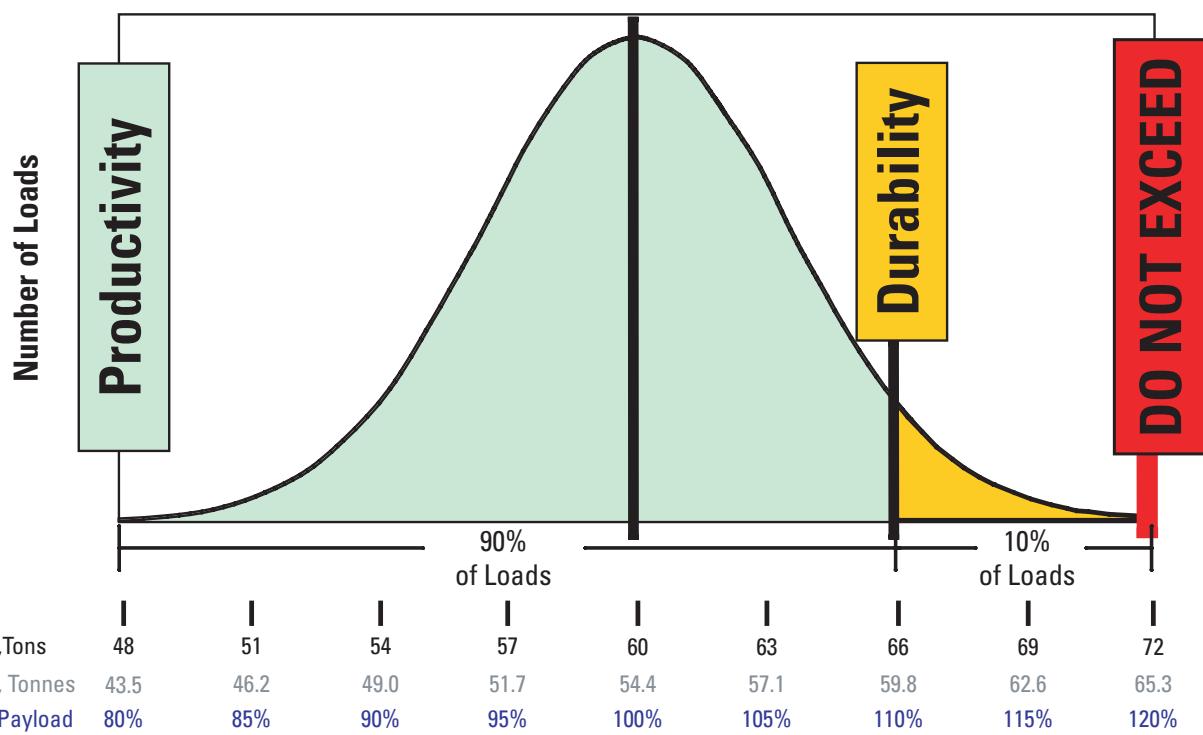
Target Payload = Target Gross Machine Weight less Empty Machine Weight

Maximum Payload = Target Payload \times 1.10 (110%)

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

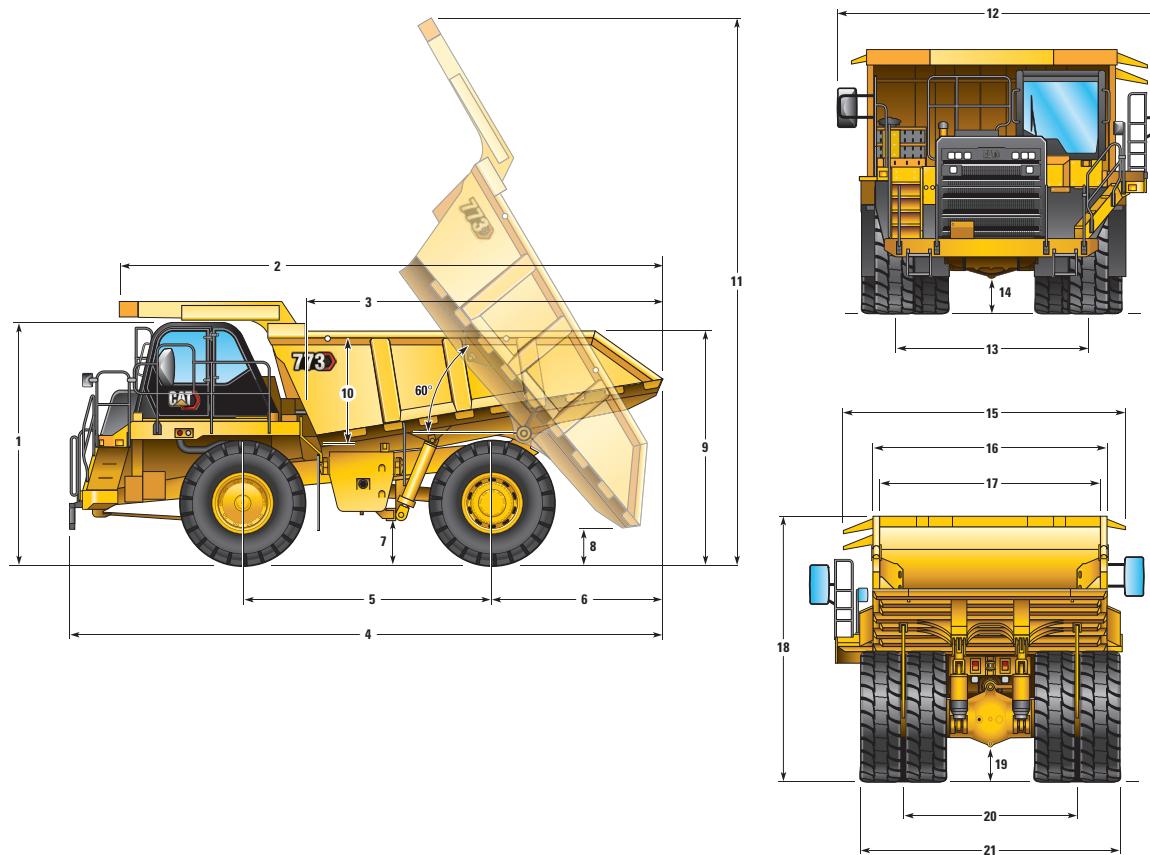
The ideal hauling strategy that maximizes machine and machine component life is to **keep the mean of all payloads at or below the machine's rated target payload**.

- 90% of loads should fall into this range
- No more than 10% of loads should exceed 10% of the target payload
- No loads should be above 20% of the 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"

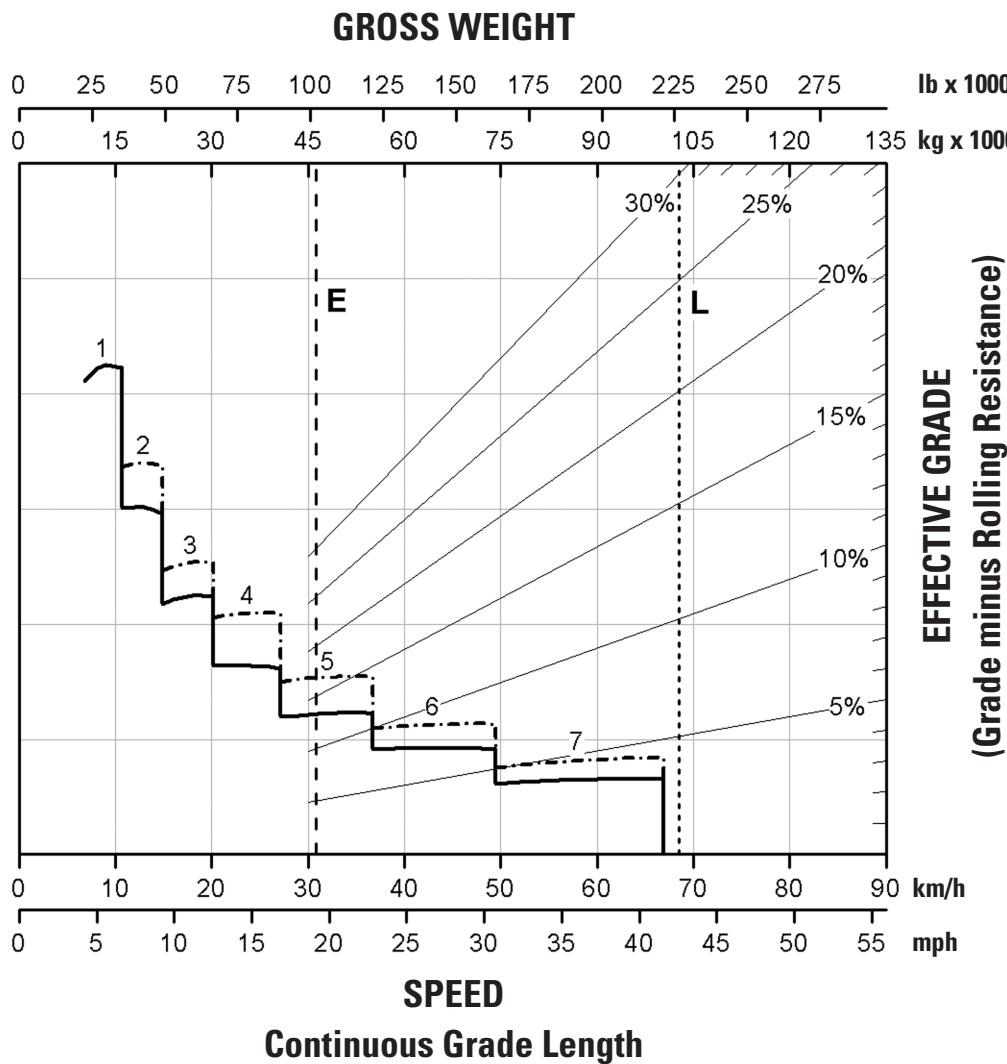
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Retarding Performance (Tier 4 and Stage V)

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.



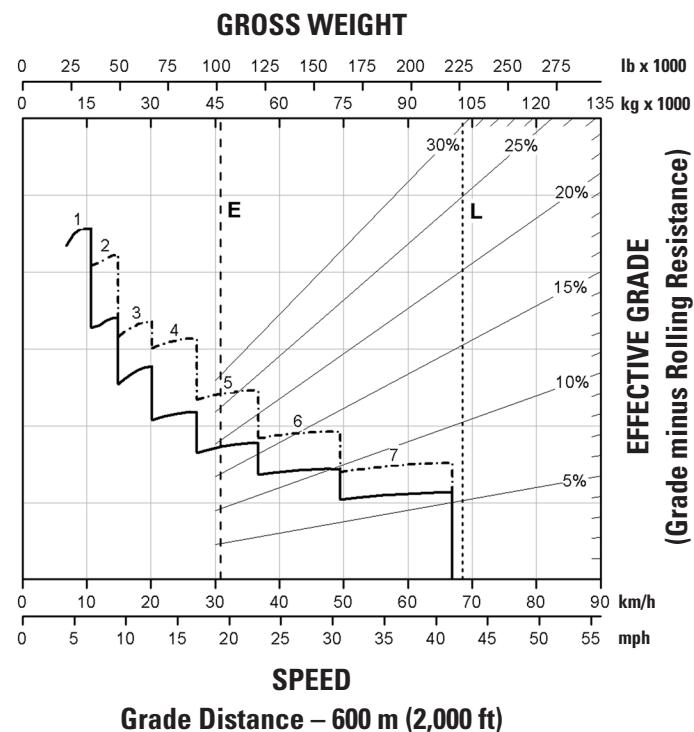
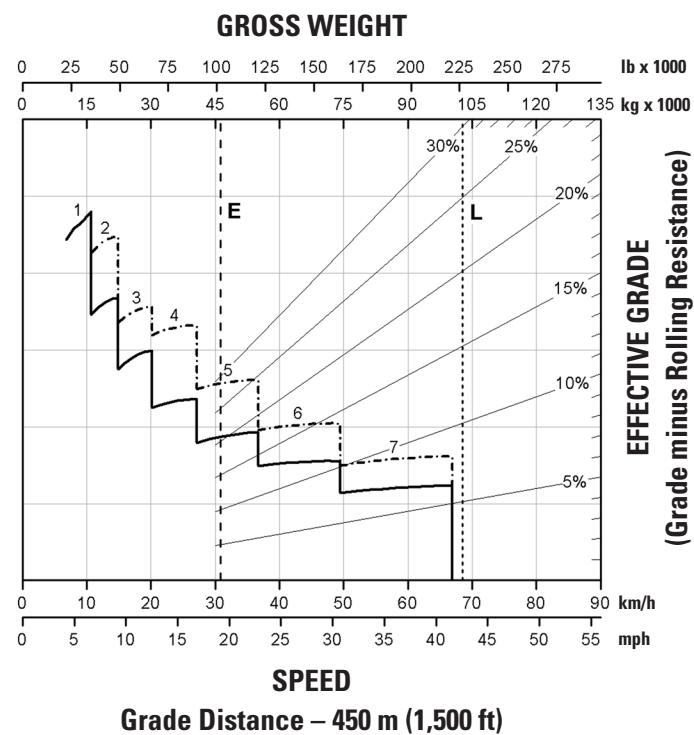
— with ARC only

- - - - 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 and Stage V)



— with ARC only

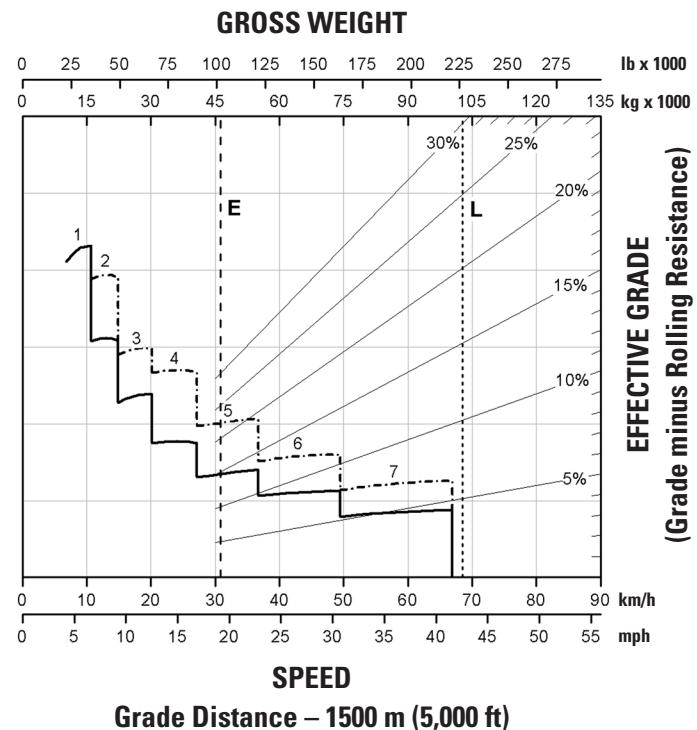
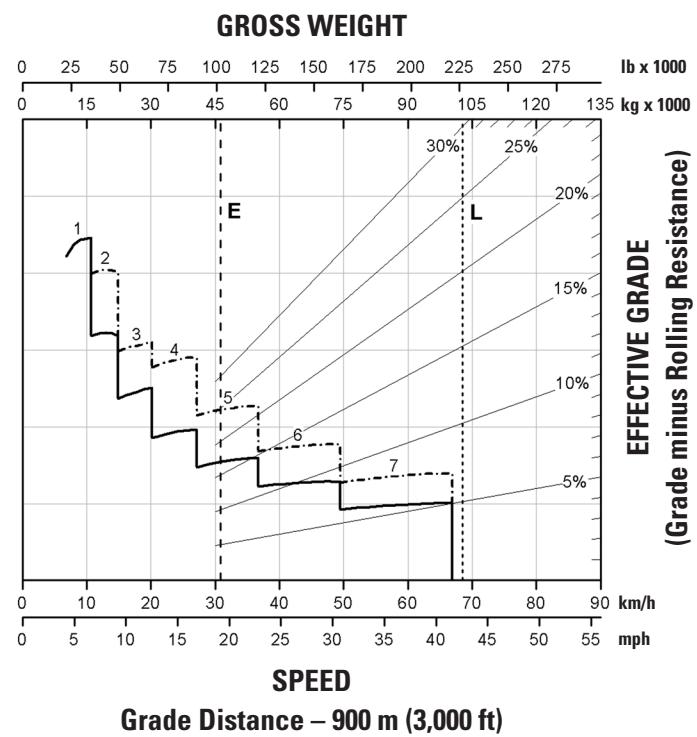
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Retarding Performance (Tier 4 and Stage V)



— with ARC only

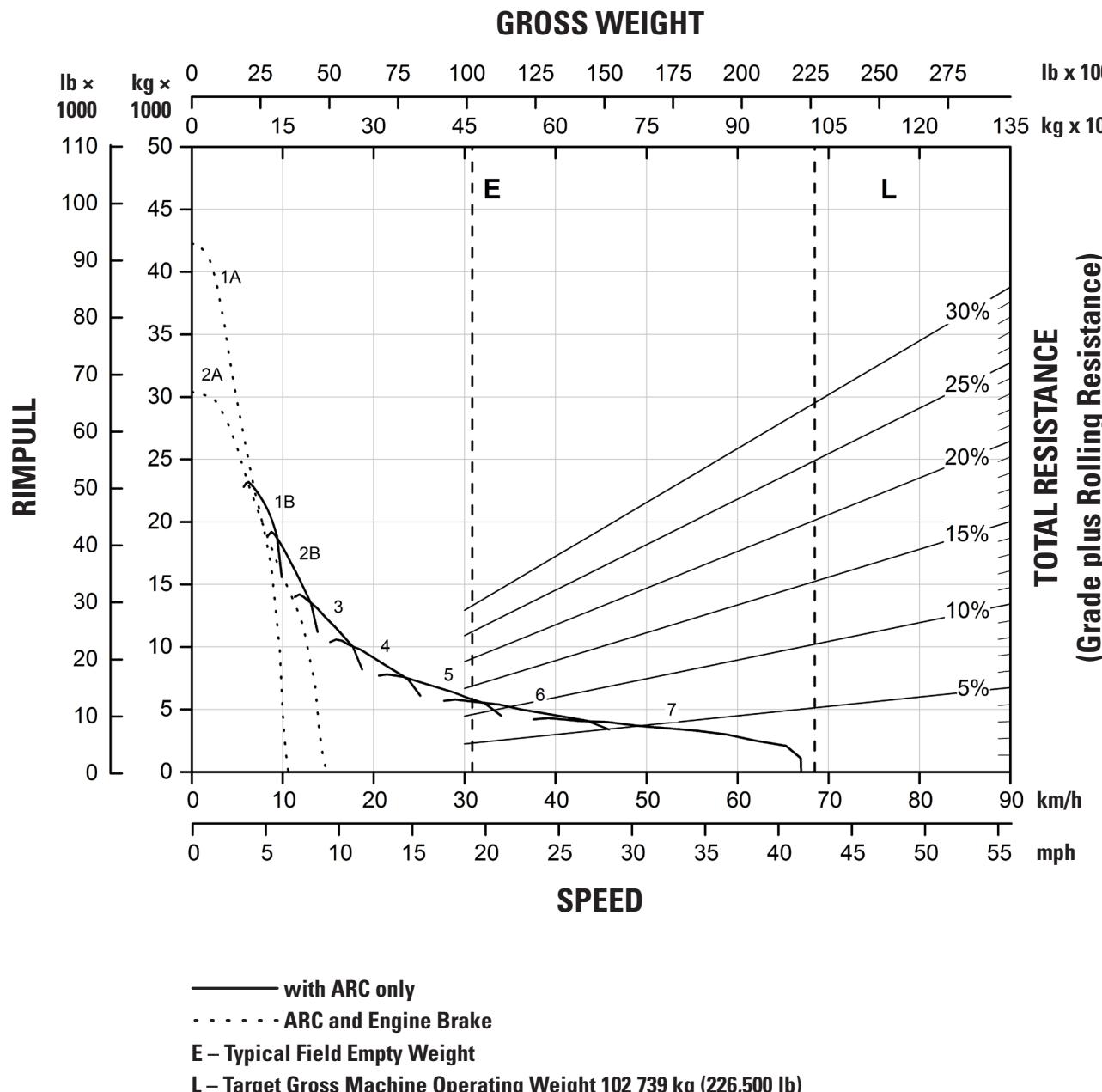
- - - - ARC and Engine Brake

E – Typical Field Empty Weight

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

Gradeability/Speed/Rimpull (Tier 4 and 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.



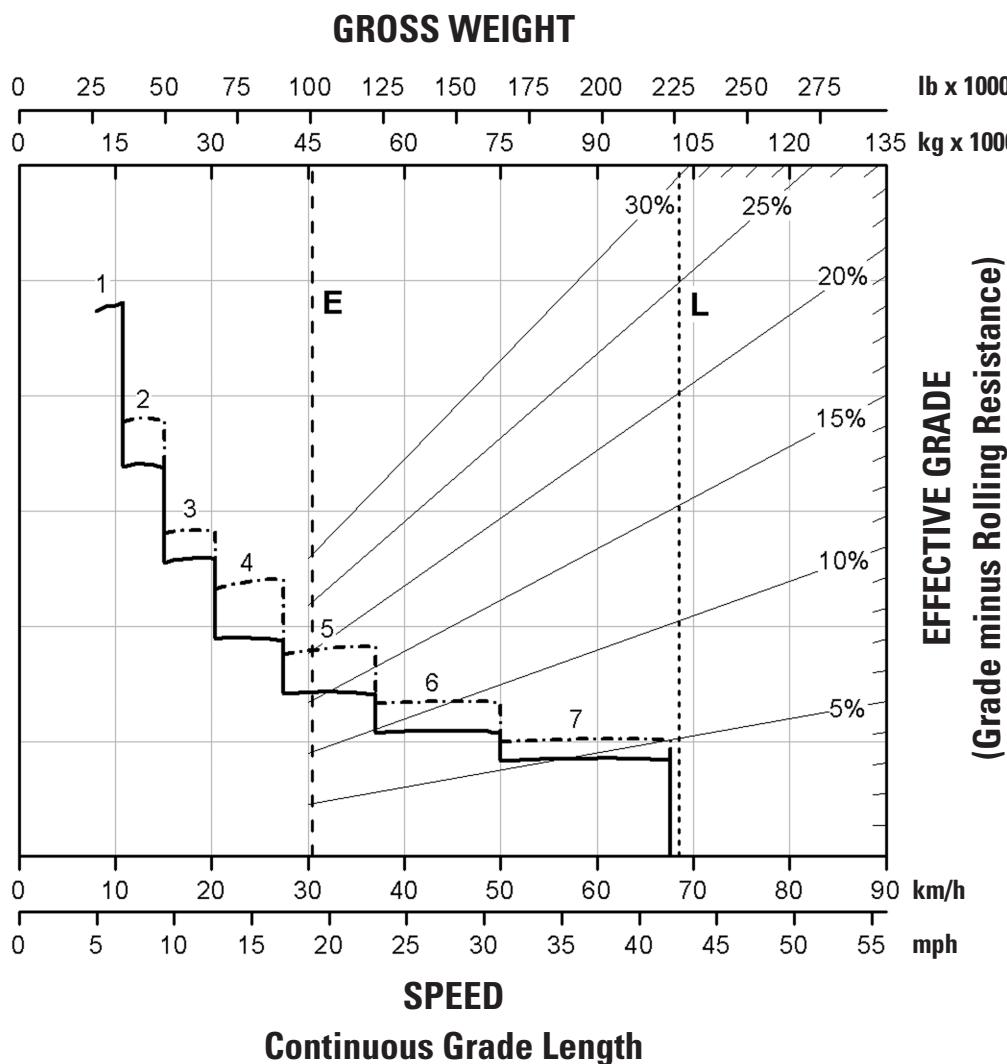
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Retarding Performance (Tier 2 Equivalent)

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.



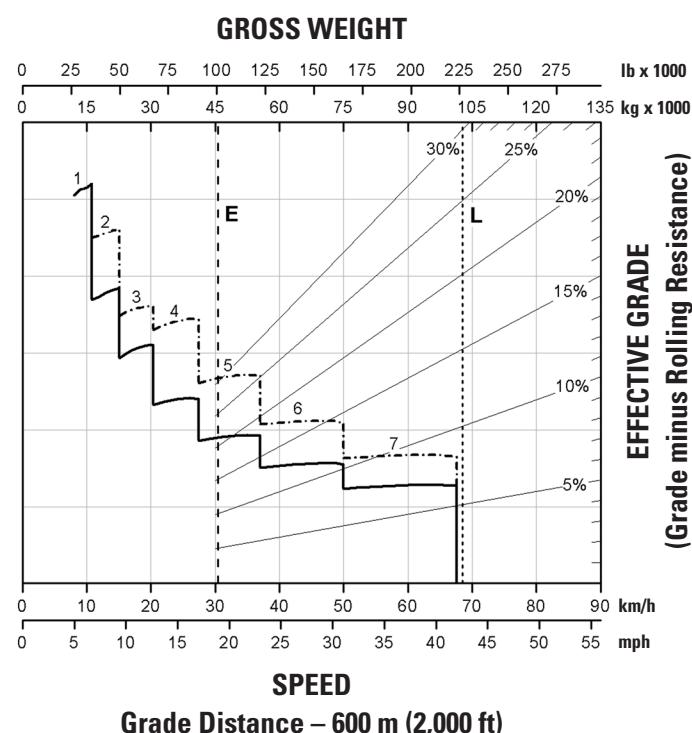
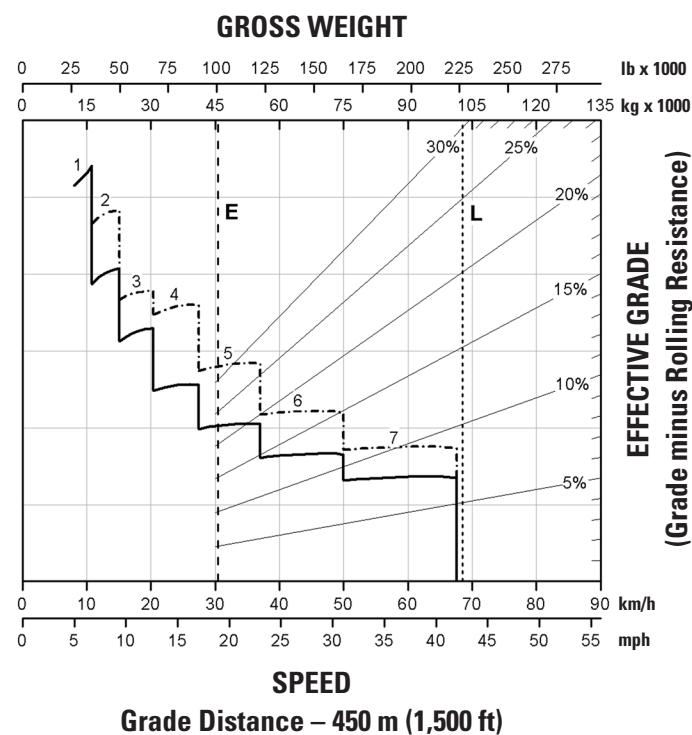
— with ARC only

- - - 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)



— with ARC only

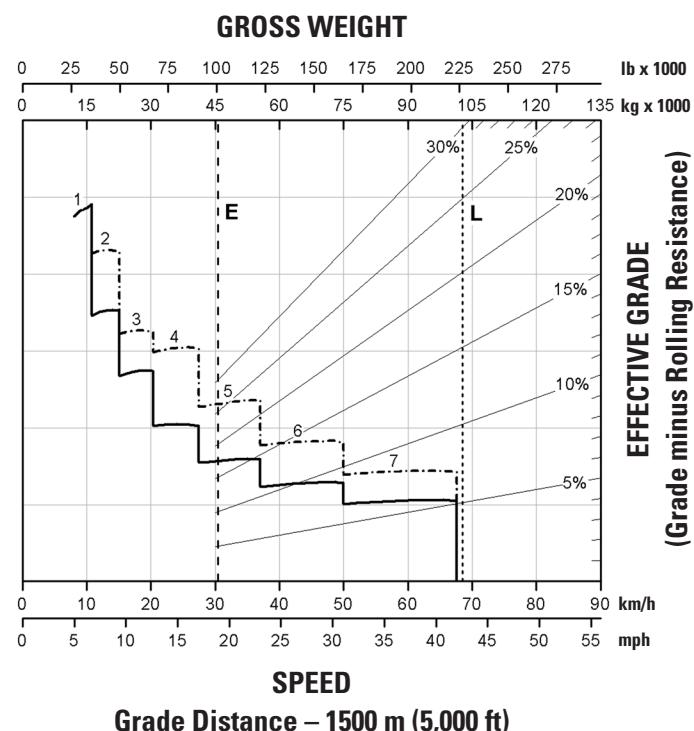
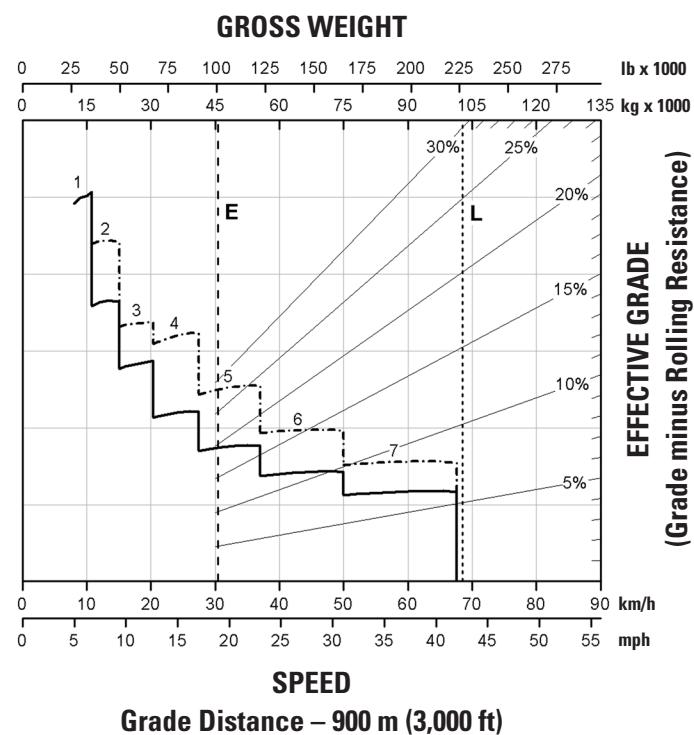
- - - - - ARC and Engine Brake

E - Typical Field Empty Weight

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

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Retarding Performance (Tier 2 Equivalent)



— with ARC only

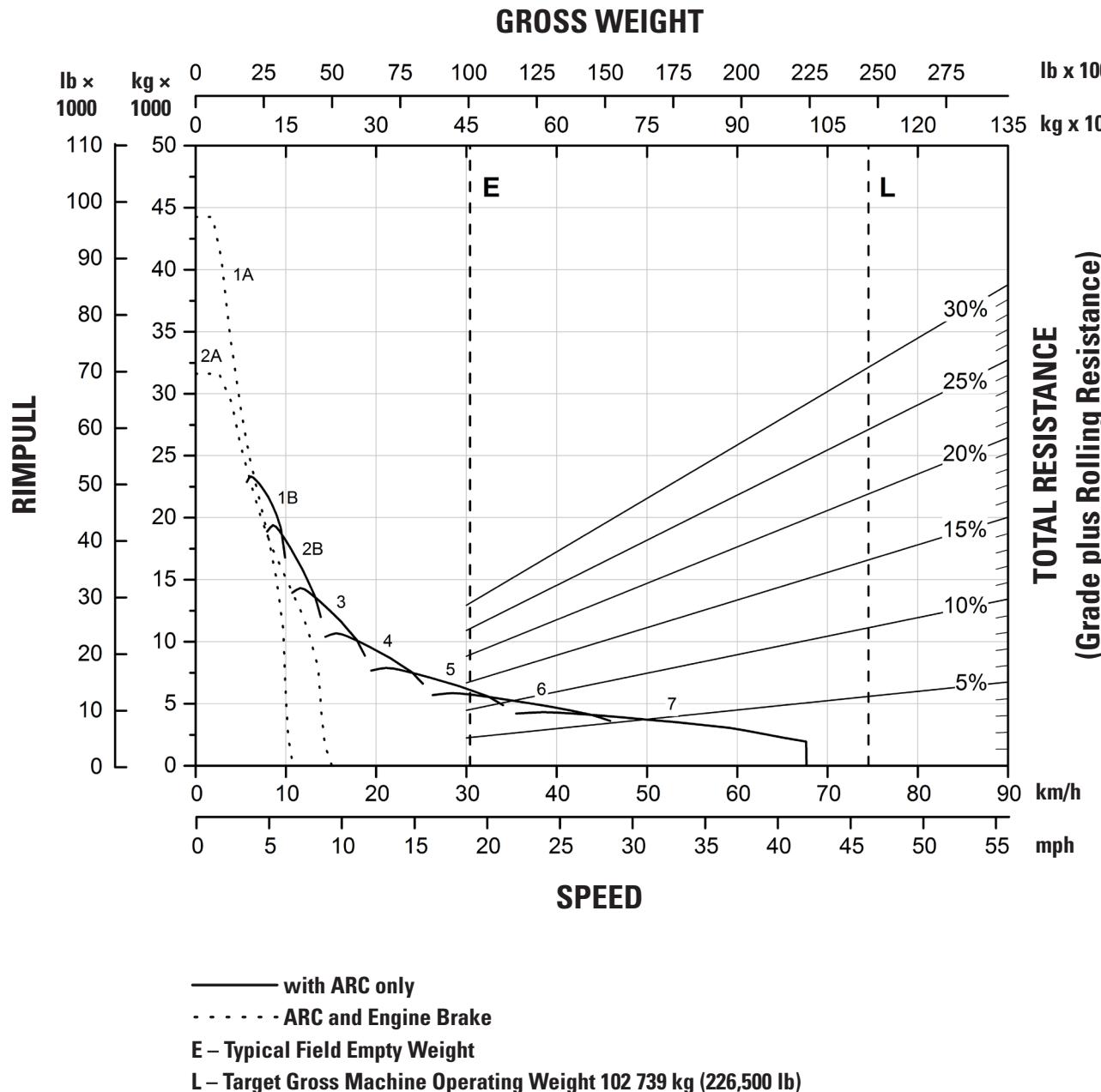
- - - - - ARC and Engine Brake

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.



773 Off-Highway Truck Specifications

Standard and Optional Equipment

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

	Standard	Optional	Standard	Optional
POWERTRAIN			OPERATOR ENVIRONMENT (CONTINUED)	
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 muffler, next generation modular radiator (NGMR)	✓		Cab precleaner	✓
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	✓		Coat hook	✓
Cat engine brake	✓		Cup holders (4)	✓
NOx reduction system (NRS), diesel oxidation catalyst (DOC); demand fan; Mechanically Actuated Electronic Unit Injection (MEUI™) -C fuel system (Tier 4 Final/Stage V only)	✓		Diagnostic connection port, 24V	✓
Transmission: 7-speed automatic powershift with electronic clutch pressure control (ECPC), advanced productivity electronic control strategy (APECS); automatic neutral idle, autostall, second gear start	✓		Entertainment radio ready: 5 amp converter, speakers, antenna, wiring harness	✓
ELECTRICAL			Foot rest	✓
Alarm, backup	✓		Gauges/indicators: brake oil temperature gauge, coolant temperature gauge, engine overspeed indicator, fuel level, hour meter, speedometer with odometer, tachometer, transmission gear indicator	✓
Alternator, 120 ampere	✓		Hoist lever	✓
Autolube power supply ready	✓		Horn	✓
Batteries, maintenance-free, 12V (2), 1,400 CCA combined	✓		Light: courtesy, dome	✓
Electrical system, 25 amp, 24V to 12V converter	✓		Mirrors: convex, heated	✓
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 profile lights, stop/tail lights (LED)	✓		Power port, 24V and 12V (2)	✓
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)	✓		Rollover protective structure (ROPS)/falling objects protective structure (FOPS)	✓
OPERATOR ENVIRONMENT			Seat, Cat Comfort Series III: full air suspension, retractable 3-point seat belt with shoulder harness	✓
Advisor display: air cleaner service indicator, fluid level monitoring, fuel level monitoring, display languages (market based)	✓		Seat, training with lap belt	✓
Air conditioning/heat	✓		Steering wheel, padded, tilt and telescopic	✓
Ashtray and cigarette lighter	✓		Storage compartment	✓
Automatic temperature control	✓		Sun visor	✓
			Throttle lock	✓
			Visibility package (meets ISO 5006:2017 requirements)	✓
			Window, hinged, right side (emergency exit)	✓
			Window, powered, left side	✓
			Windshield wiper, intermittent, and washer	✓
			Work area vision system (WAVS)	✓
			TECHNOLOGY PRODUCTS	
			Economy modes, standard and adaptive	✓
			Product Link™, cellular or satellite	✓
			Traction control system (TCS)	✓
			Truck production management system	✓
			Advanced health	✓

Standard and Optional Equipment

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

OTHER	OTHER (CONTINUED)
Antifreeze	✓
Body heat	✓
Body liner	✓
Body sideboards	✓
Body down indicator	✓
Body safety pin (secures body in up position)	✓
Center-mounted rims	✓
Clustered grease fittings	✓
Cold weather packages	✓
Driveline guards	✓
Engine crankcase guards	✓
Extended life coolant to -34°C (-30°F)	✓
Fan guards	✓
Fluid fill service center	✓
Fuel tank, 795 L (210 gal)	✓
Ground-level battery disconnect	✓
	Ground-level engine shutdown
	Grouped ground-level filters
	Operator maintenance manual (OMM)
	Rims 17 x 35
	Rock ejectors
	Secondary steering (electric)
	Spare rim
	Suspension, front and rear (EU compliant)
	Tie down eyes
	Tow hooks, front/tow pin, rear
	Wheel chocks
	Vandalism protection locks

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>.

Engine

- The Cat® C27 engine is available in configurations that meet U.S. EPA Tier 4 Final and EU Stage V emission standards or equivalent to U.S. EPA Tier 2.
- Cat U.S. EPA Tier 4 Final and EU Stage V diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels*** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)*
 - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels
- Cat engines equivalent to U.S. EPA Tier 2 are compatible with diesel fuel blended with the following lower-carbon intensity fuels*** up to:
 - ✓ 100% biodiesel FAME (fatty acid methyl ester)**
 - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

* While Cat engines are compatible with these alternative fuels, some regions may not allow their use.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

*** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. Refer to the machine labeling or identification of the gas.
- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.9 kg (4.2 lb) of refrigerant which has a CO₂ equivalent of 2.71 metric tonnes (2.99 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.85 kg (4.1 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
 - Barium < 0.01%
 - Cadmium < 0.01%
 - Chromium < 0.01%
 - Lead < 0.01%

Sound - Tier 4 Final and Stage V

Operator Sound Level (ISO 6396:2008)	74 dB(A)
Machine Sound Level (ISO 6395:2008)	115 dB(A)

Sound – Tier 2 and Tier 3 Equivalent

Operator Sound Level (ISO 6396:2008)	77 dB(A)
Machine Sound Level (ISO 6395:2008)	119 dB(A)

- The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for the standard machine configuration. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- The machine sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for the standard machine configuration. The measurement was conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Automatically optimize fuel consumption with two fuel economy modes: standard and adaptive
 - Adjustable engine idle shutdown conserves fuel when the truck is in park and idle for a preset amount of time
 - Haul at a more fuel-efficient engine speed and gear selection with speed limiting
 - Traction control system modulates power and braking between the two wheel groups, allowing a more appropriate response to ground conditions
 - Longer service life for hydraulic oil filter provides longer life with a 1,000-hour replacement interval

Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	64.74%
Iron	14.03%
Nonferrous Metal	2.32%
Mixed Metal	0.36%
Plastic	2.89%
Rubber	10.78%
Mixed Nonmetallic	0.05%
Fluid	2.81%
Other	1.31%
Uncategorized	0.72%
Total	100%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance end-of-life value of the product. According to ISO 16714 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused, or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability – 95%

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEXQ3436-01 (01-2026)

Replaces: AEXQ3436-00

Build Number: 07

(Global)

