992
Wheel Loader

Technical Specifications

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

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992 Wheel Loader Specifications

Engine

Engine Model	Cat® C32B	
Emissions	U.S. EPA Tier 4 Final, U.S. EPA Tier 2 Equivalent	
Rated Speed	1,750 rpm	
Gross Power – SAE J1995 @ 1,750 rpm		
Tier 4/HRC (Highly Regulated Country) – Standard	671 kW	900 hp
Tier 4/HRC – High Ambient	699 kW	937 hp
Tier 2/LRC (Less Regulated Country) – Standard	676 kW	907 hp
Tier 2/LRC – High Ambient	704 kW	944 hp
Gross Power – ISO 14396 @ 1,750 rpm		
Tier 4/HRC – Standard	659 kW	884 hp
Tier 4/HRC – High Ambient	687 kW	921 hp
Tier 2/LRC – Standard	666 kW	893 hp
Tier 2/LRC – High Ambient	694 kW	931 hp
Net Power – SAE J1349 @ 1,750 rpm		
Tier 4/HRC – Standard	607 kW	814 hp
Tier 4/HRC – High Ambient	607 kW	814 hp
Tier 2/LRC – Standard	614 kW	823 hp
Tier 2/LRC – High Ambient	614 kW	823 hp
Bore	145 mm	5.7 in
Stroke	162 mm	6.4 in
Displacement	32.1 L	1,963.5 in^3
Peak Torque – SAE J1995		
Tier 4/HRC – Standard @ 1,200 rpm	4765 N·m	3,514 lbf-ft
Tier 4/HRC – High Ambient @ 1,300 rpm	4820 N·m	3,555 lbf-ft
Tier 2/LRC – Standard @ 1,200 rpm	4796 N·m	3,537 lbf-ft
Tier 2/LRC – High Ambient @ 1,350 rpm	4841 N·m	3,570 lbf-ft

Operating Specifications

Operating Weight	105 882 kg	233,430 lb
Rated Payload – Standard	23.1 tonnes	25.5 tons
Rated Payload – Standard (Material Handler)	27.2 tonnes	30 tons
Rated Payload – High Lift	20.4 tonnes	22.5 tons
Rated Payload – High Lift (Material Handler)	24.5 tonnes	27 tons
Bucket Capacity Range	11.5-24.5 m^3	15-32 yd^3
Cat Truck Match – Standard	775/777	
Cat Truck Match – High Lift	785	

Transmission

Transmission Type	Cat Planetary Powershift	
Forward 1	7 km/h	4.3 mph
Forward 2	11.9 km/h	7.4 mph
Forward 3	20.5 km/h	12.7 mph
Direct Drive – Forward 1	Disabled	Disabled
Direct Drive – Forward 2	12.9 km/h	8 mph
Direct Drive – Forward 3	22.6 km/h	14 mph
Reverse 1	7.5 km/h	4.7 mph
Reverse 2	13 km/h	8.1 mph
Reverse 3	22.4 km/h	13.9 mph
Direct Drive – Reverse 1	8 km/h	5 mph
Direct Drive – Reverse 2	14.2 km/h	8.8 mph
Direct Drive – Reverse 3	24.7 km/h	15.3 mph

Hydraulic System – Lift/Tilt

Lift/Tilt System – Circuit	Positive Flow Control	
Lift/Tilt System – Pumps	Variable Displacement Piston	
Maximum Flow @ 2,165 rpm	950 L/min	250 gal/min
Relief Valve Setting – Lift/Tilt	34 500 kPa	5,000 psi
Lift Cylinder – Bore	235.0 mm	9.3 in
Lift Cylinder – Stroke	1613 mm	63.5 in
Tilt Cylinder – Bore	292 mm	11.5 in
Tilt Cylinder – Stroke	1055 mm	41.5 in

Hydraulic Cycle Time

Rack Back	
Standard	2.3 seconds
High Lift	2.3 seconds
Raise	
Standard	9.0 seconds
High Lift	9.0 seconds
Dump	
Standard	2.6 seconds
High Lift	2.6 seconds
Float Down	
Standard	3.2 seconds
High Lift	3.2 seconds
Total Cycle Time	17.1 seconds

Service Refill Capacities

Fuel Tank	1460 L	385.7 gal
Cooling System	225 L	59.4 gal
Crankcase	120 L	31.7 gal
Transmission	195 L	51.5 gal
Differentials and Final Drives – Front	365 L	96.4 gal
Differentials and Final Drives – Rear	365 L	96.4 gal
Hydraulic System Factory Fill (Implement)	394 L	104.1 gal
Hydraulic Tank (Implement Tank Only)	228 L	60.2 gal
Hydraulic Factory Fill (Steering)	123 L	32.5 gal
Hydraulic Tank (Steering Tank Only)	99.5 L	26.3 gal

Axles

Front	Fixed
Rear	Trunnion
Oscillation Angle	±9°

Brakes

Brakes	ISO 3450:2011

Hydraulic System – Steering

Steering System – Circuit	Pilot, Load Sensing	
Steering System – Pump	Piston, Variable Displacement	
Maximum Flow @ 1,400-1,850 rpm	265 L/min	70 gal/min
Steering Cut-Off Pressure	31 000 kPa	4,500 psi
Total Steering Angle	80°	
Steering Cycle Time (Low Idle)	4.9 seconds	
Steering Cycle Time (High Idle)	3.1 seconds	

Cooling System

Ambient Capability, Hydraulically Driven Demand Fan		
Standard	43° C	109.4° F
High	55° C	131° F

Sound Performance

Sound Levels	Standard	Suppression
Operator Sound Level (ISO 6396:2008)	70 dB(A)	70 dB(A)
Machine Sound Level (ISO 6396:2008)	116 dB(A)	113 dB(A)

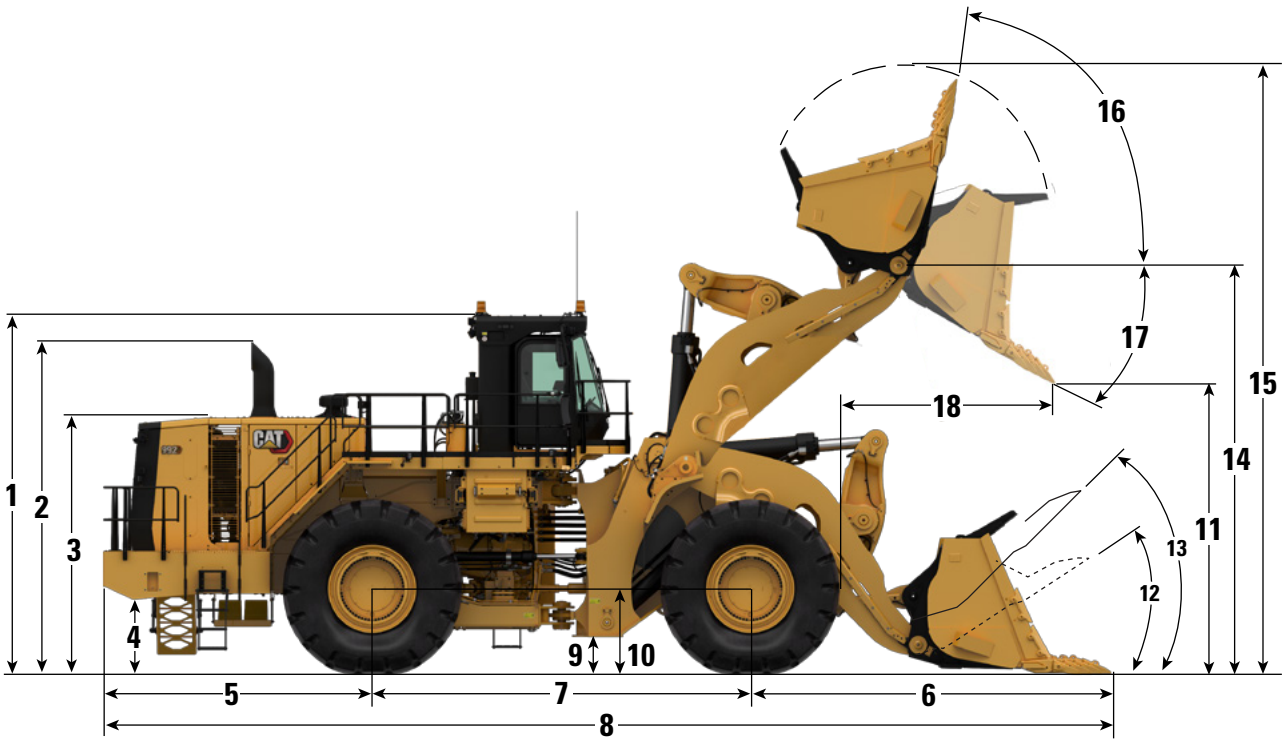
Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas. The system contains 2.0 kg of refrigerant which has a CO_2 equivalent of 2.860 metric tonnes.

992 Wheel Loader Specifications

Dimensions

All dimensions are approximate.



		Standard Lift 13 m³ (17 yd³) Bucket		High Lift 11.5 m³ (15 yd³) Bucket	
1	Ground to Top of Rollover Protective Structure (ROPS)	5571 mm	18.3 ft	5571 mm	18.3 ft
2	Ground to Top of Exhaust Stacks	5169 mm	17.0 ft	5169 mm	17.0 ft
3	Ground to Top of Hood	3983 mm	13.1 ft	3983 mm	13.1 ft
4	Ground to Bumper Clearance	1145 mm	3.8 ft	1145 mm	3.8 ft
5	Rear Axle Center Line to Bumper	4119 mm	13.5 ft	4119 mm	13.5 ft
6	Front Axle Center Line to Bucket Tip	5480 mm	18.0 ft	5724 mm	18.8 ft
7	Wheel Base	5890 mm	19.3 ft	5890 mm	19.3 ft
8	Maximum Overall Length	15 489 mm	50.8 ft	15 733 mm	51.6 ft
9	Ground to Lower Hitch Clearance	666 mm	2.2 ft	666 mm	2.2 ft
10	Ground to Center of Axles	1308 mm	4.3 ft	1308 mm	4.3 ft
11	Clearance at Maximum Lift, at 45° Dump	4630 mm	15.2 ft	5256 mm	17.2 ft
12	Rack Back Angle at Ground Level	40.2 degrees		42.5 degrees	
13	Rack Back Angle at Carry	48.9 degrees		51.6 degrees	
14	B-Pin Height at Maximum Lift	6948 mm	22.8 ft	7465 mm	24.5 ft
15	Maximum Overall Height, Bucket Raised	9390 mm	30.8 ft	9759 mm	32.0 ft
16	Rack Angle at Maximum Lift	56.9 degrees		56.2 degrees	
17	Dump Angle at Maximum Lift	–49.5 degrees		–48.1 degrees	
18	Reach at Maximum Lift, at 45° Dump	2503 mm	8.2 ft	2319 mm	7.6 ft
	Tread Width	3302 mm	10.83 ft	3302 mm	10.83 ft
	Width Over Tires (with bulge)	4493 mm	14.74 ft	4495 mm	14.75 ft

Note: Assumes loaded 45/65-45 58 tires, tires at a static loaded radius of 1308 mm (4.29 ft), 538-7980 13 m³ (17 yd³) bucket, Advansys 170 General Duty Teeth: 368-3880 tips.

Bucket Selection Guide

When sizing the bucket, it is important to consider the Maximum Swung Load. The Maximum Swung Load is defined as the maximum allowed combined weight of the bucket and payload. Large Wheel Loader Payload Policy is that the Maximum Swung Load should never be exceeded.

"Example Bucket Weight" includes spade edge, heavy duty tips, half arrow segments, and two sidebar protectors.

If a bucket weight other than the weight specified in the tables is chosen, the bucket size can be evaluated using the following equations:

Maximum Payload = Maximum Swung Load – Bucket Weight

Maximum Density = (Maximum Swung Load – Bucket Weight)/Bucket Volume

Note: The default Target Payload (90% of maximum payload) is intended to accommodate variation in payload without exceeding the Maximum Swung Load. Target payload can be higher with less variation.

The rated capacity of the tires should always be considered.

Face Application

Standard Lift: Rated Payload 23.1 tonnes (25.5 tons), Maximum Swung Load 36.5 tonnes (40.2 tons)

Bucket Volume		Example Bucket Weight		Target Payload at Example Bucket Weight		Maximum Payload at Example Bucket Weight		Target Density at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m^3	yd^3	kg	lb	tonnes	tons	tonnes	tons	kg/m^3	lb/yd^3	kg/m^3	lb/yd^3
11.5	15	10 378	22,873	23.6	26.0	26.2	28.9	2056	3,465	2284	3,850
13.0	17	10 872	23,961	23.1	25.5	25.7	28.3	1780	3,000	1978	3,333
14.5	19	11 355	25,026	22.7	25.0	25.2	27.8	1563	2,634	1736	2,926

High Lift: Rated Payload 20.4 tonnes (22.5 tons), Maximum Swung Load 33.0 tonnes (36.4 tons)

Bucket Volume		Example Bucket Weight		Target Payload at Example Bucket Weight		Maximum Payload at Example Bucket Weight		Target Density at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m^3	yd^3	kg	lb	tonnes	tons	tonnes	tons	kg/m^3	lb/yd^3	kg/m^3	lb/yd^3
11.5	15	10 378	22,873	20.4	22.5	22.7	25.0	1780	3,000	1978	3,333
13.0	17	10 872	23,962	20.0	22.0	22.2	24.5	1536	2,589	1707	2,877
14.5	19	11 355	25,026	19.5	21.5	21.7	23.9	1345	2,266	1494	2,518

Loose/Rehandled Application (Requires optional material handler counterweight)

Standard Lift Material Handler: Rated Payload 27.2 tonnes (30 tons), Maximum Swung Load 39.7 tonnes (43.8 tons)

Bucket Volume		Example Bucket Weight		Target Payload at Example Bucket Weight		Maximum Payload at Example Bucket Weight		Target Density at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m^3	yd^3	kg	lb	tonnes	tons	tonnes	tons	kg/m^3	lb/yd^3	kg/m^3	lb/yd^3
11.5	15	11 512	25,372	26.8	29.5	28.2	31.1	2213	3,730	2459	4,145
17.6	23	11 172	24,623	27.1	29.9	28.5	31.5	1461	2,462	1623	2,736
24.5	32	13 483	29,717	24.9	27.5	26.2	28.9	965	1,626	1072	1,807

High Lift Material Handler: Rated Payload 24.5 tonnes (27 tons), Maximum Swung Load 37 tonnes (40.8 tons)

Bucket Volume		Example Bucket Weight		Target Payload at Example Bucket Weight		Maximum Payload at Example Bucket Weight		Target Density at Example Bucket Weight		Maximum Density at Example Bucket Weight	
m^3	yd^3	kg	lb	tonnes	tons	tonnes	tons	kg/m^3	lb/yd^3	kg/m^3	lb/yd^3
11.5	15	11 512	25,372	24.2	26.7	25.5	28.1	2000	3,372	2223	3,746
16.1	21	10 718	23,622	25.0	27.5	26.3	29.0	1473	2,483	1637	2,759
24.5	32	13 483	29,717	22.3	24.6	23.5	25.9	865	1,458	961	1,620

Operating Specifications – Standard Lift

		Standard Lift		
Bucket Type		**Rock**		
Ground Engaging Tool		**Teeth & Segment**		
Cutting Edge Type		**Spade**		
Bucket Part Number		**536-3340**	**538-7980**	**557-8090**
Struck Capacity	m^3	9.0	10.0	12.0
	yd^3	11.8	13.0	15.7
Heaped Capacity (Rated)	m^3	11.5	13	14.5
	yd^3	15	17	19
Width	mm	4824	4824	4824
	ft	15.8	15.8	15.8
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	4985	4847	4752
	ft	16.4	15.9	15.6
Dump Clearance at Full Lift and 45° Discharge (With Teeth)	mm	4740	4630	4513
	ft	15.6	15.2	14.8
Reach at Lift and 45° Discharge (Edge)	mm	2160	2298	2379
	ft	7.1	7.5	7.8
Reach at Lift and 45° Discharge (With Teeth)	mm	2393	2503	2608
	ft	7.9	8.2	8.6
Reach with Lift Arms Horizontal and Bucket Level	mm	4939	5095	5252
	ft	16.2	16.7	17.2
Digging Depth	mm	206	206	217
	in	8.1	8.1	8.5
Overall Length	mm	15 334	15 490	15 654
	ft	50.3	50.8	51.4
Overall Height with Bucket at Full Raise	mm	9242	9390	9519
	ft	30.3	30.8	31.2
Loader Clearance Turning Radius (SAE Carry with Teeth)	mm	10 973	11 018	11 068
	ft	36.0	36.1	36.3
Full Dump Angle	degree	–50	–50	–50

(chart continued on next page)

Operating Specifications – Standard Lift *(continued)*

		Standard Lift		
Bucket Type		**Rock**		
Ground Engaging Tool		**Teeth & Segment**		
Cutting Edge Type		**Spade**		
Bucket Part Number		**536-3340**	**538-7980**	**557-8090**
Struck Capacity	m^3	9.0	10.0	12.0
	yd^3	11.8	13.0	15.7
Heaped Capacity (Rated)	m^3	11.5	13	14.5
	yd^3	15	17	19
Static Tipping Load Straight (No Tire Squash)	kg	71 085	70 108	69 128
	lb	156,716	154,562	152,402
Static Tipping Load Straight (With Tire Squash)	kg	68 295	67 298	66 304
	lb	150,564	148,366	146,175
Static Tipping Load – Full Turn (Articulated 40°) (No Tire Squash)	kg	61 829	60 901	59 970
	lb	136,309	134,263	132,211
Static Tipping Load – Full Turn (Articulated 40°) (With Tire Squash)	kg	56 943	55 984	55 030
	lb	125,538	123,424	121,321
Breakout Force	kN	699	638	602
	lb	157,125	143,422	135,298
Operating Weight	kg	105 394	105 882	106 366
	lb	232,354	233,430	234,497
Weight Distribution at SAE Carry (Unloaded)				
Front	kg	59 137	59 994	60 865
	lb	130,374	132,265	134,185
Rear	kg	46 257	45 888	45 501
	lb	101,980	101,165	100,312
Weight Distribution at SAE Carry (Loaded)				
Front	kg	95 598	96 592	97 605
	lb	210,758	212,949	215,182
Rear	kg	32 929	32 423	31 894
	lb	72,595	71,481	70,314

(chart continued on next page)

Operating Specifications – High Lift

		High Lift		
Bucket Type		Rock		
Ground Engaging Tool		Teeth & Segment		
Cutting Edge Type		Spade		
Bucket Part Number		536-3340	538-7980	557-8090
Struck Capacity	m^3	9.0	10.0	12.0
	yd^3	11.8	13.0	15.7
Heaped Capacity (Rated)	m^3	11.5	13	14.5
	yd^3	15	17	19
Width	mm	4824	4824	4824
	ft	15.8	15.8	15.8
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	5501	5363	5268
	ft	18.0	17.6	17.3
Dump Clearance at Full Lift and 45° Discharge (With Teeth)	mm	5256	5146	5029
	ft	17.2	16.9	16.5
Reach at Lift and 45° Discharge (Edge)	mm	2086	2225	2305
	ft	6.8	7.3	7.6
Reach at Lift and 45° Discharge (With Teeth)	mm	2319	2430	2535
	ft	7.6	8.0	8.3
Reach with Lift Arms Horizontal and Bucket Level	mm	5266	5422	5579
	ft	17.3	17.8	18.3
Digging Depth	mm	213	213	224
	in	8.4	8.4	8.8
Overall Length	mm	15 733	15 889	16 053
	ft	51.6	52.1	52.7
Overall Height with Bucket at Full Raise	mm	9759	9906	10 036
	ft	32.0	32.5	32.9
Loader Clearance Turning Radius (SAE Carry with Teeth)	mm	11 129	11 174	11 224
	ft	36.5	36.7	36.8
Full Dump Angle	degree	–48	–48	–48

(chart continued on next page)

Operating Specifications – High Lift *(continued)*

		High Lift		
Bucket Type		Rock		
Ground Engaging Tool		Teeth & Segment		
Cutting Edge Type		Spade		
Bucket Part Number		**536-3340**	**538-7980**	**557-8090**
Struck Capacity	m^3	9.0	10.0	12.0
	yd^3	11.8	13.0	15.7
Heaped Capacity (Rated)	m^3	11.5	13	14.5
	yd^3	15	17	19
Static Tipping Load Straight (No Tire Squash)	kg	64 263	63 375	62 482
	lb	141,675	139,718	137,750
Static Tipping Load Straight (With Tire Squash)	kg	61 929	61 023	60 116
	lb	136,529	134,533	132,534
Static Tipping Load – Full Turn (Articulated 40°) (No Tire Squash)	kg	55 718	54 869	54 017
	lb	122,836	120,966	119,086
Static Tipping Load – Full Turn (Articulated 40°) (With Tire Squash)	kg	51 499	50 622	49 747
	lb	113,535	111,602	109,673
Breakout Force	kN	672	613	578
	lb	151,028	137,811	129,968
Operating Weight	kg	105 934	106 422	106 906
	lb	233,545	234,621	235,688
Weight Distribution at SAE Carry (Unloaded)				
Front	kg	60 723	61 605	62 500
	lb	133,870	135,816	137,788
Rear	kg	45 212	44 817	44 407
	lb	99,675	98,805	97,900
Weight Distribution at SAE Carry (Loaded)				
Front	kg	94 150	95 139	96 143
	lb	207,564	209,744	211,960
Rear	kg	32 197	31 696	31 175
	lb	70,981	69,877	68,729

(chart continued on next page)

Operating Specifications – Standard Lift Material Handler/High Lift Material Handler

		Standard Lift Material Handler		High Lift Material Handler	
Bucket Type		**Rock**	**Coal**	**Rock**	**Coal**
Ground Engaging Tool		**BOCE**		**BOCE**	
Cutting Edge Type		**Straight**		**Straight**	
Bucket Part Number		**557-8050**	**557-8020**	**557-8050**	**557-8020**
Struck Capacity	m^3	14.0	20.0	14.0	20.0
	yd^3	18.3	26.2	18.3	26.2
Heaped Capacity (Rated)	m^3	17.6	24.5	17.6	24.5
	yd^3	23	32	23	32
Width	mm	4995	6090	4995	6090
	ft	16.4	20.0	16.4	20.0
Dump Clearance at Full Lift and 45° Discharge (Edge)	mm	4873	4710	5389	5226
	ft	16.0	15.5	17.7	17.1
Dump Clearance at Full Lift and 45° Discharge (With Teeth)	mm	—	—	—	—
	ft	—	—	—	—
Reach at Lift and 45° Discharge (Edge)	mm	2301	2451	2227	2377
	ft	7.5	8.0	7.3	7.8
Reach at Lift and 45° Discharge (With Teeth)	mm	—	—	—	—
	ft	—	—	—	—
Reach with Lift Arms Horizontal and Bucket Level	mm	4780	5001	5107	5328
	ft	15.7	16.4	16.8	17.5
Digging Depth	mm	186	195	193	202
	in	7.3	7.7	7.6	8.0
Overall Length	mm	15 160	15 388	15 561	15 788
	ft	49.7	50.5	51.1	51.8
Overall Height with Bucket at Full Raise	mm	9678	9835	10 194	10 351
	ft	31.8	32.3	33.4	34.0
Loader Clearance Turning Radius (SAE Carry with Teeth)	mm	11 157	11 751	11 311	11 898
	ft	36.6	38.6	37.1	39.0
Full Dump Angle	degree	–50	–50	–48	–48

(chart continued on next page)

Operating Specifications – Standard Lift Material Handler/High Lift Material Handler *(continued)*

		Standard Lift Material Handler		High Lift Material Handler	
Bucket Type		**Rock**	**Coal**	**Rock**	**Coal**
Ground Engaging Tool		**BOCE**	**BOCE**	**BOCE**	**BOCE**
Cutting Edge Type		**Straight**	**Straight**	**Straight**	**Straight**
Bucket Part Number		**557-8050**	**557-8020**	**557-8050**	**557-8020**
Struck Capacity	m^3	14.0	20.0	14.0	20.0
	yd^3	18.3	26.2	18.3	26.2
Heaped Capacity (Rated)	m^3	17.6	24.5	17.6	24.5
	yd^3	23	32	23	32
Static Tipping Load Straight (No Tire Squash)	kg	74 070	70 667	67 126	63 913
	lb	163,296	155,794	147,987	140,905
Static Tipping Load Straight (With Tire Squash)	kg	70 958	67 574	64 519	61 316
	lb	156,435	148,975	142,239	135,177
Static Tipping Load – Full Turn (Articulated 40°) (No Tire Squash)	kg	64 158	60 888	57 956	54 854
	lb	141,443	134,235	127,770	120,933
Static Tipping Load – Full Turn (Articulated 40°) (With Tire Squash)	kg	58 598	55 356	53 136	50 052
	lb	129,187	122,038	117,145	110,345
Breakout Force	kN	640	572	614	549
	lb	143,788	128,559	138,121	123,370
Operating Weight	kg	108 182	110 493	108 722	111 033
	lb	238,501	243,595	239,692	244,786
Weight Distribution at SAE Carry (Unloaded)					
Front	kg	59 125	62 912	60 753	64 672
	lb	130,348	138,696	133,937	142,576
Rear	kg	49 057	47 581	47 969	46 362
	lb	108,153	104,899	105,754	102,210
Weight Distribution at SAE Carry (Loaded)					
Front	kg	102 525	106 661	101 271	105 481
	lb	226,029	235,147	223,263	232,546
Rear	kg	32 873	31 048	31 946	30 046
	lb	72,473	68,449	70,428	66,241

Standard and Optional Equipment

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

	Standard	Optional
POWER TRAIN		
Engine, C32B	✓	
Fuel priming pump (electric)	✓	
Ground-level engine shutdown	✓	
Engine air intake (above hood) precleaner	✓	
Aluminum Modular Radiator (AMR)	✓	
Automatic, ether starting aid	✓	
Electronic throttle lock	✓	
Impeller Clutch Torque Converter (ICTC) with lock-up clutch	✓	
Rimpull control system	✓	
Planetary powershift, 3F/3R electronic control transmission	✓	
Delayed engine shutdown	✓	
Oil-cooled, multi-disc, service brakes	✓	
Electro-hydraulic parking brake	✓	
Auto retarding controls	✓	
Advanced auto retarding controls with engine brake		✓
Brake temp estimator	✓	
Autoshift	✓	
LINKAGE		
Standard lift (23 tonnes/25.5 tons face, 27.2 tonnes/30 tons loose)	✓	
High lift (20.5 tonnes/22.5 tons face, 24.5 tonnes/27 tons loose)		✓
EFFICIENCY		
Variable displacement implement pumps	✓	
Variable displacement load-sensing steering	✓	
Variable displacement cooling fan pump	✓	
Torque converter lock-up clutch	✓	
Bucket float	✓	
Automatic bucket controls: – Lift kickout – Return-to-dig kickout	✓	
Default on-demand throttle (economy mode) with HP+ mode button	✓	
Engine idle shutdown	✓	

	Standard	Optional
ELECTRICAL AND LIGHTING		
150-amp alternator	✓	
Four 1400 CCA batteries	✓	
10/15 amp, 24V to 12V converter	✓	
Battery – single pole (master disconnect) isolator	✓	
Emergency jump-start receptacle	✓	
Starter and transmission lockout in bumper	✓	
24V starting and charging system	✓	
Electric starters	✓	
Dual pole battery isolator		✓
Live line indicators in service center	✓	
LED warning lights (pattern selectable)	✓	
LED lighting system: – Two front- and rear-mounted LED turn signals – Four forward-facing running lights – Three forward-facing flood lights – Four platform-mounted flood lights – Two forward-facing high beams – Four rear-facing floods – Four stairway lights – Two engine bay service lights	✓	
Six service lights		✓
Two hitch-mounted lights		✓

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
OPERATOR ENVIRONMENT		
Premium seat with heated and actively cooled leather, adjustable lumbar support, air adjustable bolsters on the seat and backrest, seat cushion tilt adjustment and two-way thigh support adjustment	✓	
Bonded glass, tinted	✓	
Rubber-mounted, high-impact resistant solar control glass		✓
Trainer seat	✓	
Trainer seat with suspension		✓
Dual-lever lift and tilt function controls	✓	
Joystick lift and tilt function controls		✓
Implement kickouts	✓	
Air conditioner	✓	
Cab pressure indicator	✓	
Graphical touchscreen information display conveys real-time operating information and payload measurement	✓	
Heater, defroster, auto temperature controls	✓	
Gauge instrumentation with configurable widgets: – Status indicators – Wheel rev counter – Simplified payload – TPMS (optional) – Bucket angle – Coolant temperature – Hydraulic oil temperature – Fuel level – Power train oil temperature – Engine speed (tachometer) – Transmission gear – Ground speed – Engine hour meter	✓	

	Standard	Optional
OPERATOR ENVIRONMENT *(continued)*		
Powered cab precleaner	✓	
Operator presence status	✓	
Starting/charging system malfunction	✓	
Electronic OMM	✓	
Operator controls help	✓	
Bluetooth®-enabled machine security		✓
Two USB charging ports	✓	
CB mounting, 12V/24V power and antenna	✓	
14-pin service port	✓	
12V power	✓	
Selectable application profiles	✓	
Entertainment radio mute	✓	
Push-To-Start (PTS)	✓	
Warning/indicator instrumentation	✓	
Keypad control with indicator lights	✓	
Dome light in cab	✓	
Lunchbox and beverage holders	✓	
Electro-hydraulic force feedback steering	✓	
Sun screen, pull down (front and rear)		✓
Vital Information Management System (VIMS™) with information display: external data port, cycle timer	✓	
AM/FM/AUX radio		✓
AM/FM/AUX/USB/BT/CD/SAT radio		✓
Coat hook	✓	

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
SAFETY		
Ground-access ladders	✓	
Powered ground-access stairs		✓
Rear-vision camera	✓	
Side-vision cameras (270 degree)		✓
Cat Detect (rear object detection)		✓
Front walkway around cab	✓	
Tie-offs on ROPS	✓	
Steering frame lock	✓	
Wheel chocks		✓
Stairways on both sides of the machine	✓	
Platform toe kicks	✓	
Retractable seatbelt, operator and trainer seat	✓	
Back-up alarm	✓	
Secondary steering		✓
Electric disc horns	✓	
Electric trumpet field horn plus electric shop horn		✓
Fire suppression ready (tank mounting provision and provision for integration with machine electronics for monitoring faults or activation)		✓
Emergency stop system		✓
Implement lock switch	✓	
Seatbelt warning	✓	
Entertainment radio mute	✓	
COLD WEATHER		
Cold-weather cooling fan bypass (recommended for temperatures below –29° C [–20° F])		✓
120V or 240V coolant heating elements (recommended in conditions from –18° C to –30° C [0° F to –22° F])		✓
Fuel heater (heated by recirculation using engine heat and a heat exchanger) (recommended in conditions from –18° C to –30° C [0° F to –22° F])		✓
Heated mirrors		✓

	Standard	Optional
MACHINE CONTROL AND GUIDANCE		
Cat Payload with Overload Prevention		✓
MineStar Health ready MineStar GUIDE ready MineStar Edge ready	✓	
New Autodig Components: – Tire slip prevention – Lift stall prevention – Tire set		✓
Operator coaching		✓
COOLING		
Standard ambient package (recommended for site conditions that do not exceed 43° C [110° F])	✓	
High ambient package (recommended for site conditions that do not exceed 55° C [131° F])		✓
RIMS AND TIRES		
Rims – 914.4 mm (36") (36 × 45) 113.3 mm (4.5") flange For use with 45/65R45 and 45/65-45 tires Tires – 45/65R45 Tires – 45/65-45		✓
SPARE RIMS		
914.4 mm (36") (36 × 45) (4.5") flange		✓

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
SERVICE		
Ground-level service center including: – Implement and cooling fan oil level indicator – Steering and brake oil level indicator – Window washer fluid level indicator – Transmission oil level indicator – Fuel level indicator – Engine oil level indicator – Engine coolant level indicator – Automatic lubrication system grease tank level indicator – Starter lockout and LED – Heavy-duty battery disconnect switch – Stairway light switch – Service lighting switch (if equipped) – Fuel shutoff engine shutdown switch – Engine oil fast-fill port – Transmission oil fast-fill port – Steering and brake hydraulic oil fast-fill port – Steering and brake hydraulic oil drain port – Engine coolant fast-fill port – Implement and cooling fan hydraulic oil fast-fill port – Implement and cooling fan hydraulic oil drain port – Automatic lubrication system grease tank fill port – 24V jump-start receptacle – 12V power port – 120V jacket water plug (if equipped) – 240V jacket water plug (if equipped) – VIMS key switch – 14-pin service port – Transmission lockout and LED	✓	
In-tank mounted cartridge-type case drain filters with in-line magnetic plugs on implement, cooling fan, brake and steering pumps	✓	
High-pressure screens on the output side of implement, cooling fan, brake and steering pumps	✓	

	Standard	Optional
SERVICE *(continued)*		
Implement pump efficiency monitoring	✓	
Rock guards on linkage grease lines	✓	
Cat O-ring face seal couplings	✓	
Lockable service access doors	✓	
Ecology drains for engine, radiator, hydraulic tank, steering and brake tank, brake cooling tank and axles	✓	
Electronic pressure control of the automatic lubrication system eliminates pressure adjustment and monitors grease thickness for temperature compatibility	✓	
Ground-level fast-fill fuel system	✓	
Transmission and engine guards		✓
Drawbar hitch with pin	✓	
Cat XT™ hoses	✓	
Left-side service center	✓	
Oil sampling valves	✓	
Diagnostic lines for easy troubleshooting access		✓
Premixed 50% concentration of extended-life coolant with freeze protection to –34° C (–29° F)	✓	
Rear access to cab and service platform	✓	
Load-sensing steering	✓	
Vandalism protection caplocks	✓	
Cooling cleanout service access	✓	
Telematics and Cat Electronic Technician service port in bumper	✓	
Product Link™ cellular		✓
Product Link (dual mode – satellite/cellular)		✓
Automatic Autolube filling shutoff valve	✓	
SOUND		
Sound-suppression package		✓
LOAD AND CARRY OR EXTENSIVE TRAMMING		
Ride control		✓

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

AEXQ2899-04 (03-2025)
Replaces AEXQ2899-03
Build Number: 12A
(Global)