

M316 Wheeled Excavator

Technical Specifications

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

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Engine		
Engine Model	Cat® 4.4	
Engine Power		
ISO 14396:2002	110 kW	148 hp
ISO 14396:2002 (metric)	150 hp (PS)	
Net Power		
ISO 9249:2007	104.9 kW	141 hp
ISO 9249:2007 (metric)	143 hp (PS)	
Bore	105 mm	4.1 in
Stroke	127 mm	5 in
Displacement	4.4 L	268.5 in ³
Biodiesel Capability	Up to B20 ⁽¹⁾	
Number of Cylinders	4	

- Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Net power advertised is the power available at the flywheel
 when engine is equipped with fan, air cleaner, CEM exhaust
 gas aftertreatment, alternator, and cooling fan running at
 intermediate speed.
- Recommended for use up to 3000 m (9,843 ft) altitude with engine power derate above 3000 m (9,843 ft).
- Rated speed 2,000 rpm.
- (1) Cat engines are compatible with the following renewable, alternative, and bio-fuels* with lower greenhouse gas emission impact:
 - ✓ Up to B20 biodiesel (FAME)**
 - ✓ Up to 100% HVO and GTL renewable fuels
- *Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.
- **For use of higher blends, consult your Cat dealer.

Transmission		
Forward/Reverse		
1st Gear	10 km/h	6.2 mph
2nd Gear	35 km/h	21.7 mph
Creeper Speed		
1st Gear	5.5 km/h	3.4 mph
2nd Gear	15 km/h	9.3 mph
Drawbar Pull	102 kN	22,931 lbf
Maximum Gradeability at (17 300 kg/38,140 lb)	73.0%	

Service Refill Capacities		
Fuel Tank (total capacity)	350 L	92.5 gal
Diesel Exhaust Fluid Tank	20 L	5.3 gal
Cooling System	24 L	6.3 gal
Engine Oil	13 L	3.4 gal
Hydraulic Tank	120 L	31.7 gal
Hydraulic System (including tank)	260 L	68.7 gal
Rear Axle Housing (differential)	14 L	4 gal
Front Steering Axle (differential)	10.5 L	2.8 gal
Final Drive (each)	2.5 L	0.7 gal
Powershift Transmission	2.5 L	0.7 gal
Swing Mechanism		
Maximum Swing Speed	10.2 rpm	
Maximum Swing Torque	43.8 kN·m	32,305 lb-ft
Undercarriage		
Ground Clearance	365 mm	14.4 in
Maximum Steering Angle	35°	
Oscillation Axle Angle	± 8.5°	
Minimum Turning Radius		
Outside of Tire	6300 mm	20.7 ft
Outside of Tire (plastic fender)	7550 mm	24.8 ft
End of VA Boom	7300 mm	23.9 ft
Undercarriage steps for parallel blade		
Standard	2545 mm	8.3 ft
Wide	2720 mm	8.9 ft
Plastic type fenders for front and rear tires, for parallel blade		
Standard	2550 mm	8.4 ft
Wide	2720 mm	8.9 ft
Operating Weights*		
Minimum	17 000 kg	37,480 lb
Maximum	18 400 kg	40,560 lb
Typical configurations		
Variable Adjustable Boom**		
Rear Blade Only	17 200 kg	37,920 lb
Blade and Outriggers	18 150 kg	40,010 lb
Front and Rear Outriggers	18 400 kg	40,560 lb
*Operating weight includes full fuel to	ank, operator,	bucket 700 kg

^{*}Operating weight includes full fuel tank, operator, bucket 700 kg (1,543 lb) and dual pneumatic tires. Weight varies depending on configuration.

^{**}Typical configurations include 2500 mm (8'2") stick, 3300 kg (7,280 lb) counterweight, bucket and 220 kg (485 lb) quick coupler.

Major Component Weights		
Booms (including VAB and stick cylinder, pins and standard hydraulic lines)		
Variable Adjustable Boom 5205 mm (17'1")	2200 kg	4,850 lb
Sticks (including cylinder, bucket linkage, pins and standard hydraulic lines)		
Stick 2200 mm (7'3")	790 kg	1,740 lb
Stick 2500 mm (8'2")	810 kg	1,790 lb
Counterweight		
3300 kg (7,280 lb)	3300 kg	7,280 lb
Undercarriage (including axles, standard tires and steps)		
Rear Blade	4450 kg	9,810 lb
Rear Blade/Front Outrigger	5400 kg	11,900 lb
Rear Outrigger/Front Blade	5400 kg	11,900 lb
Rear Outrigger/Front Outrigger	5650 kg	12,460 lb
Rear Blade Parallel	4960 kg	10,934 lb
Rear Blade Parallel with Trailer	5025 kg	11,078 lb
Front Blade/Rear Outrigger	5965 kg	13,151 lb
Front Blade/Rear Outrigger with Trailer:	6030 kg	13,294 lb
Buckets		
Pin-On Bucket GD 1200 mm (47"), 0.80 m³ (1.05 yd³)	680 kg	1,500 lb
Pin-On Bucket GD 1200 mm (47"), 0.91 m³ (1.19 yd³)	700 kg	1,540 lb
CW Bucket GD 1200 mm (47"), 0.91 m ³ (1.19 yd ³)	680 kg	1,500 lb
Quick Couplers		
CW30 Dedicated Quick Coupler	220 kg	490 lb
Pin Grabber Quick Coupler	300 kg	660 lb

Maximum Pres	sure – Implement Cir	rcuit	
Normal		35 000 kPa	5,076 psi
Heavy Lift		37 000 kPa	5,366 psi
Travel Circu	it	35 000 kPa	5,076 psi
Maximum Pre	ssure – Auxiliary Cir	cuit	
High Pressu	re	35 000 kPa	5,076 psi
Medium Pre	essure	17 000 kPa	2,466 psi
Swing Mech	anism	35 000 kPa	5,076 psi
Maximum Flo	W		
Implements		275 L/min	73 gal/min
Travel Circu	it	190 L/min	50 gal/min
Auxiliary Circ	ait		
High Pressu	re	250 L/min	66 gal/min
Medium Pre	ssure	55 L/min	14.5 gal/mir
Swing Mechan	ism	106 L/min	28.0 gal/mir
Cylinders			
Boom Cylin	der – Bore	115 mm	5"
Boom Cylin	der – Stroke	916 mm	3'0"
VAB Cylind	er – Bore	140 mm	6"
VAB Cylind	er – Stroke	743 mm	2'5"
Stick Cylind	er – Bore	115 mm	5"
Stick Cylind	er – Stroke	1147 mm	3'9"
Bucket Cylin	nder – Bore	100 mm	4"
Bucket Cylin	nder – Stroke	1055 mm	3'6"
Tires			
Standard	10.00-20 (dual p	neumatic)	
Optional		neumatic) Ial pneumatic with LXF (single pneu	

Dozer Blade		
Blade Type	Radial	
Width	2540 mm	8'4"
Blade Roll-Over Height	540 mm	1'9"
Blade Total Height	580 mm	1'11"
Maximum Lowering Depth From Ground	120 mm	5"
Maximum Raising Height Above Ground	475 mm	1'7"

Emissions and Safety			
Engine Emissions	Tier 4 Final	and Stage V	
Vibration Levels			
Maximum Hand/Arm (ISO 5349-2001)	<2.5 m/s ²	<8.2	
Maximum Whole Body (ISO/TR 25398:2006)	<0.5 m/s ²	<1.6	
Seat Transmissibility Factor (ISO 7096:2000-spectral class EM5)	<0.7		

Standards	
Brakes	ISO 3450:2011
Cab (ROPS)	ISO 12117-2:2008
FOPS (Falling Object Protective Structure) (optional top/front guards)	ISO 10262:1998 (Level II)
Cab/Sound Levels	Meets appropriate standards as listed below

Sound Performance	
Operator Sound	
2000/14/EC	70 dB(A)
Spectator Sound	
2000/14/EC	102 dB(A)

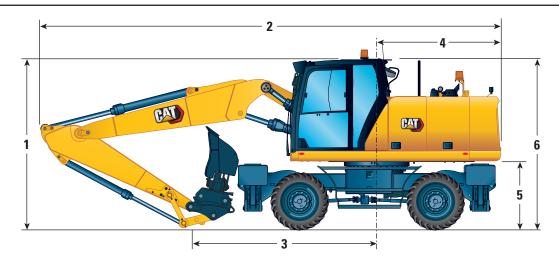
- Operator Sound The operator sound level is measured according to the procedures specified in 2000/14/EC, for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Exterior Sound The labeled spectator sound power level is measured according to the test procedures and conditions specified in 2000/14/EC.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/ windows open) for extended periods or in noisy environment(s).

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85~kg of refrigerant, which has a CO_2 equivalent of 1.216 metric tonnes.

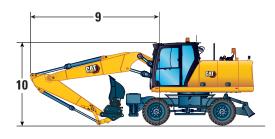
Dimensions

All dimensions are approximate. Values are with 10.00-20 dual pneumatic tires.



Boom Option	-	Variable Adjustable Boom 5205 mm (17'1")		
Stick Options	2200 mm (7'3")	2500 mm (8'2")		
1 Shipping Height with Falling Object Guard (highest point between boom and cab)	3360 mm (11'0")	3360 mm (11'0")		
Shipping Height without FOGS	3180 mm (10'5")	3210 mm (10'6")		
2 Shipping Length	8630 mm (28'4")	8630 mm (28'4")		
3 Support Point	3870 mm (12'8")	3530 mm (11'7")		
4 Tail Swing Radius	2350 mm (7'9")	2350 mm (7'9")		
5 Counterweight Clearance	1301 mm (4'3")	1301 mm (4'3")		
6 Cab Height				
No Falling Object Guard	3194 mm (10'6")	3194 mm (10'6")		
With Falling Object Guard	3356 mm (11'0")	3356 mm (11'0")		
Overall Machine Width				
Width with Outriggers on Ground	3800 mm (12'6")	3800 mm (12'6")		
Width with Outriggers Up	2540 mm (8'4")	2540 mm (8'4")		
Width with Blade	2540 mm (8'4")	2540 mm (8'4")		
7 Width with Outriggers Fully Down	3645 mm (12'0")	3645 mm (12'0")		
Enclosure Height (doors)	2500 mm (8'2")	2500 mm (8'2")		
8 Upperframe Width	2540 mm (8'4")	2540 mm (8'4")		
Roading Position				
9 Steering Wheel to Linkage in Roading Position	2880 mm (9'5")	2870 mm (9'5")		
10 Height in Roading Position	3930 mm (12'11")	3950 mm (13'0")		





Undercarriage Dimensions

All dimensions are approximate. Values are with 10.00-20 dual pneumatic tires.

Undercarriage	Rear Blade	Rear Blade/ Front Outrigger	Rear Outrigger/ Front Blade	Rear Outrigger/ Front Outrigger
11 Overall Undercarriage Length	4360 mm (14'4")	4970 mm (16'4")	4970 mm (16'4")	4805 mm (15'9")
12 Wheel Base	2550 mm (8'4")	2550 mm (8'4")	2550 mm (8'4")	2550 mm (8'4")
13 Swing Bearing Center to Rear Axle Center	1100 mm (3'7")	1100 mm (3'7")	1100 mm (3'7")	1100 mm (3'7")
14 Swing Bearing Center to Front Axle Center	1450 mm (4'9")	1450 mm (4'9")	1450 mm (4'9")	1450 mm (4'9")
15 Rear Axle to Rear Outrigger (mid)	_	_	830 mm (2'9")	830 mm (2'9")
16 Front Axle to Front Outrigger (mid)	_	925 mm (3'0")	_	925 mm (3'0")
17 Rear Axle to Blade (end)	1270 mm (4'2")	1270 mm (4'2")	_	_
Front Axle to Blade (end)	_	_	1315 mm (4'4")	_
18 Maximum Outrigger Depth	_	115 mm (5")	115 mm (5")	115 mm (5")
19 Blade Width	2540 mm (8'4")	2540 mm (8'4")	2540 mm (8'4")	_
Maximum Blade Depth Below Ground	120 mm (5")	120 mm (5")	120 mm (5")	_
Ground Clearance				
Lowest Step Clearance	395 mm (1'4")	395 mm (1'4")	395 mm (1'4")	395 mm (1'4")
20 Outrigger Clearance	335 mm (1'1")	335 mm (1'1")	335 mm (1'1")	335 mm (1'1")
21 Blade Clearance	475 mm (8'4")	475 mm (8'4")	475 mm (8'4")	475 mm (8'4")
22 Axle Clearance	365 mm (1'2")	365 mm (1'2")	365 mm (1'2")	365 mm (1'2")

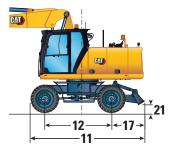
CAD

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*Maximum tire clearance with outrigger fully down



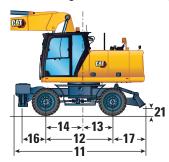
Undercarriage with dozer only



Undercarriage with 2 sets of outriggers

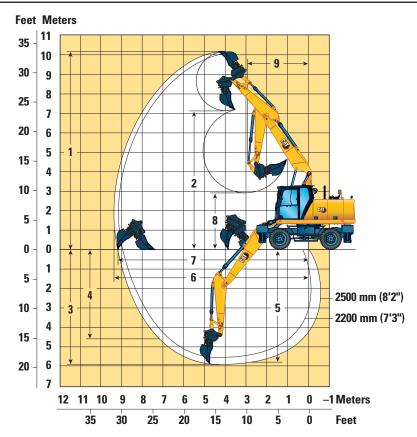


Undercarriage with 1 set of outriggers and dozer



Working Ranges

All Dimensions are approximate. Values are with 10.00-20 Dual Pneumatic Tires.



Boom Option		ustable Boom n (17'1")
Stick Options	2200 mm (7'3")	2500 mm (8'2")
1 Maximum Cutting Height	10 110 mm (33'2")	10 240 mm (33'7")
2 Maximum Loading Height	7140 mm (23'5")	7280 mm (23'11")
3 Maximum Digging Depth	5630 mm (18'6")	5920 mm (19'5")
4 Maximum Vertical Wall Digging Depth	4410 mm (14'6")	4620 mm (15'2")
5 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	5520 mm (18'1")	5810 mm (19'1")
6 Maximum Reach	9140 mm (30'0")	9390 mm (30'10")
7 Maximum Reach at Ground Line	8970 mm (29'5")	9220 mm (30'3")
8 Minimum Loading Height	3290 mm (10'10")	2940 mm (9'8")
9 Minimum Front Swing Radius	2950 mm (9'8")	2900 mm (9'6")
Bucket Forces (ISO)	119 kN (26,752 lbf)	119 kN (26,752 lbf)
Stick Forces (ISO)	75 kN (16,861 lbf)	69 kN (15,512 lbf)
Bucket Type	GD	GD
Bucket Capacity	0.8 m³ (1.05 yd³)	0.8 m ³ (1.05 yd ³)
Bucket Tip Radius (Pin-On)	1378 mm (4'6")	1378 mm (4'6")
Bucket Tip Radius (QC)	1484 mm (4'10")	1484 mm (4'10")

Range values are with dual pneumatic tires (10.00-20).

Range values are calculated with a GD bucket (CW) and CW-30 quick coupler with a tip radius of 1484 mm (4'10").

Force values are calculated with heavy lift on, a GD bucket (pin-on) and a tip radius of 1378 mm (4'6").

Lift Capacities – Variable Adjustable Boom (5205 mm), 2200 mm Stick

All values are in kg, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 3300 kg, heavy lift function on.

	Load at maximum reach (sticknose/bucket pin)	d Lo	ad over f	ront			ad over r	ear		_ Lo	ad over s	ide		⊸T ro	ad point	height	
\			3000 mm			4500 mm			6000 mm			7500 mm				=	
	Undercarriage configuration		P	Œ	4	V	₽	4	P	₽	4	V	æ	4	9	Œ₽	mm
7500 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*4950 *4950 *4950 *4950	4750 *4950 *4950 *4950	4250 4800 *4950 *4950							*3800 *3800 *3800 *3800	*3800 *3800 *3800 *3800	3650 *3800 *3800 *3800	4890
6000 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*4950 *4950 *4950 *4950	4800 *4950 *4950 *4950	4300 4800 *4950 *4950	4300 4300 *4450 *4450	2950 *4450 *4450 *4450	2650 2950 *4450 *4450				*3150 *3150 *3150 *3150	2650 *3150 *3150 *3150	2350 2650 *3150 *3150	6310
4500 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*5950 *5950 *5950 *5950	4550 *5950 *5950 *5950	4050 4550 *5950 *5950	4250 4200 *5000 *5000	2900 *5000 *5000 *5000	2600 2900 4400 *5000				*2900 *2900 *2900 *2900	2100 *2900 *2900 *2900	1900 2150 *2900 *2900	7130
3000 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				6350 6300 *7150 *7150	4150 *7150 *7150 *7150	3700 4200 6600 *7150	4050 4050 *5300 *5300	2750 *5300 *5300 *5300	2450 2750 4250 5100	2850 2850 *3400 *3400	1900 *3400 *3400 *3400	1700 1900 3000 *3400	2800 2800 *2800 *2800	1850 *2800 *2800 *2800	1650 1900 *2800 *2800	7560
1500 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				5950 5950 *7750 *7750	3850 *7750 *7750 *7750	3350 3850 6200 7650	3900 3900 *5650 *5650	2550 *5650 *5650 *5650	2300 2600 4050 4900	2800 2800 *4350 *4350	1850 4200 4300 *4350	1650 1850 2950 3500	2700 2700 *2900 *2900	1800 *2900 *2900 *2900	1600 1800 2850 *2900	7660
0 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				5800 5750 *7600 *7600	3650 *7600 *7600 *7600	3200 3700 6050 7450	3800 3800 *5550 *5550	2450 *5550 *5550 *5550	2200 2500 3950 4800				2800 2800 *3150 *3150	1850 *3150 *3150 *3150	1600 1850 2900 *3150	7450
–1500 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered	*6050 *6050 *6050 *6050	*6050 *6050 *6050 *6050	5900 *6050 *6050 *6050	5750 5750 *6650 *6650	3650 *6650 *6650 *6650	3200 3650 6000 *6650	3750 3750 *4850 *4850	2450 *4850 *4850 *4850	2150 2450 3950 4750				3150 3100 *3650 *3650	2050 *3650 *3650 *3650	1800 2050 3250 *3650	6900
-3000 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*4800 *4800 *4800 *4800	3750 *4800 *4800 *4800	3300 3750 *4800 *4800										

^{*}Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

Oscillating axle needs to be locked. Weight of all lifting accessories must be subtracted from the lifting capacities. All lift capacities calculated and rated per ISO 10567:2007. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Heavy Lift Function ON. Lifting capacities are based on the machine standing on a firm uniform supporting surface. The load point is the center line of the bucket pivot mounting pin on the stick. Lift capacity is calculated with VA cylinder completely extracted. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift Capacities – Variable Adjustable Boom (17'1"), 7'3" Stick

All values are in lb, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 7,280 lb, heavy lift function on.

	Load at maximum reach (sticknose/bucket pin)	La	oad over t	front		P L	oad over r	rear		ريا چي	ad over s	ide		ro	oad point	height	
>-			10 ft			15 ft			20 ft			25 ft				=0	
	Undercarriage configuration	4	7	Œ	₽.	7	Œ	₽.	7	Œ	₽.	7	æ		V	æ	ft
25 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*10,100 *10,100 *10,100 *10,100	*10,100 *10,100 *10,100 *10,100	9,100 *10,100 *10,100 *10,100							*8,600 *8,600 *8,600 *8,600	*8,600 *8,600 *8,600 *8,600	8,500 *8,600 *8,600 *8,600	15.55
20 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*10,900 *10,900 *10,900 *10,900	10,300 *10,900 *10,900 *10,900	9,300 10,300 *10,900 *10,900	*8,800 *8,800 *8,800 *8,800	6,300 *8,800 *8,800 *8,800	5,600 6,300 *8,800 *8,800				*6,900 *6,900 *6,900 *6,900	6,000 *6,900 *6,900 *6,900	5,300 6,000 *6,900 *6,900	20.47
15 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*12,800 *12,800 *12,800 *12,800	9,800 *12,800 *12,800 *12,800	8,800 9,900 *12,800 *12,800	9,100 9,100 *10,800 *10,800	6,200 *10,800 *10,800 *10,800	5,600 6,200 9,500 *10,800				*6,400 *6,400 *6,400 *6,400	4,700 *6,400 *6,400 *6,400	4,200 4,700 *6,400 *6,400	23.29
10 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				13,700 13,600 *15,400 *15,400	9,000 *15,400 *15,400 *15,400	8,000 9,000 14,200 *15,400	8,800 8,700 *11,400 *11,400	5,900 *11,400 *11,400 *11,400	5,200 5,900 9,100 11,000				*6,200 6,200 *6,200 *6,200	4,100 *6,200 *6,200 *6,200	3,700 4,200 *6,200 *6,200	24.77
5 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				12,800 12,800 *16,800 *16,800	8,300 *16,800 *16,800 *16,800	7,300 8,300 13,400 16,500	8,400 8,400 *12,200 *12,200	5,500 *12,200 *12,200 *12,200	4,900 5,600 8,800 10,600	6,000 6,000 *7,400 *7,400	4,000 *7,400 *7,400 *7,400	3,500 4,000 6,300 *7,400	6,000 6,000 *6,400 *6,400	3,900 *6,400 *6,400 *6,400	3,500 4,000 6,300 *6,400	25.13
0 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				12,400 12,400 *16,500 *16,500	7,900 *16,500 *16,500 *16,500	6,900 7,900 13,000 16,000	8,200 8,100 *12,000 *12,000	5,300 *12,000 *12,000 *12,000	4,700 5,400 8,500 10,300				6,200 6,200 *6,900 *6,900	4,000 *6,900 *6,900 *6,900	3,600 4,100 6,400 *6,900	24.44
–5 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered	*13,900 *13,900 *13,900 *13,900	*13,900 *13,900 *13,900 *13,900	12,700 *13,900 *13,900 *13,900	12,400 12,300 *14,400 *14,400	7,900 *14,400 *14,400 *14,400	6,900 7,900 12,900 *14,400	8,100 8,100 *10,500 *10,500	5,300 *10,500 *10,500 *10,500	4,700 5,300 8,500 10,300				6,900 6,900 *8,000 *8,000	4,500 *8,000 *8,000 *8,000	4,000 4,600 7,200 *8,000	22.60
-10 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*10,200 *10,200 *10,200 *10,200	8,100 *10,200 *10,200 *10,200	7,100 8,100 *10,200 *10,200										

^{*}Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

Oscillating axle needs to be locked. Weight of all lifting accessories must be subtracted from the lifting capacities. All lift capacities calculated and rated per ISO 10567:2007. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Heavy Lift Function ON. Lifting capacities are based on the machine standing on a firm uniform supporting surface. The load point is the center line of the bucket pivot mounting pin on the stick. Lift capacity is calculated with VA cylinder completely extracted. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift Capacities – Variable Adjustable Boom (5205 mm), 2500 mm Stick

All values are in kg, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 3300 kg, heavy lift function on.

	Load at maximum reach (sticknose/bucket pin)	d Lo	ad over f	ront		P Lo	ad over r	ear		(\$ 6	ad over s	ide		≫ _I Lo	ad point	height	
\			3000 mm			4500 mm			6000 mm			7500 mm				=	
	Undercarriage configuration		P	Œ	4	V	₫₽	4	P	GP	4	P	æ	4	P	ŒP	mm
7500 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*4350 *4350 *4350 *4350	*4350 *4350 *4350 *4350	*4350 *4350 *4350 *4350							*3050 *3050 *3050 *3050	*3050 *3050 *3050 *3050	*3050 *3050 *3050 *3050	5280
6000 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*4300 *4300 *4300 *4300	*4300 *4300 *4300 *4300	*4300 *4300 *4300 *4300	*4050 *4050 *4050 *4050	3000 *4050 *4050 *4050	2700 3000 *4050 *4050				*2600 *2600 *2600 *2600	2500 *2600 *2600 *2600	2200 2500 *2600 *2600	6610
4500 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*5150 *5150 *5150 *5150	4650 *5150 *5150 *5150	4150 4650 *5150 *5150	4300 4250 *4850 *4850	2900 *4850 *4850 *4850	2600 2950 4450 *4850				*2450 *2450 *2450 *2450	2000 *2450 *2450 *2450	1800 2000 *2450 *2450	7400
3000 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				6400 6400 *6900 *6900	4250 *6900 *6900 *6900	3750 4250 6700 *6900	4100 4100 *5150 *5150	2750 *5150 *5150 *5150	2450 2750 4250 5150	2900 2900 *3900 *3900	1900 *3900 *3900 *3900	1700 1950 3000 3600	*2450 *2450 *2450 *2450	1800 *2450 *2450 *2450	1600 1800 *2450 *2450	7810
1500 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				6000 6000 *7700 *7700	3900 *7700 *7700 *7700	3400 3900 6250 *7700	3950 3900 *5600 *5600	2600 *5600 *5600 *5600	2300 2600 4100 4950	2800 2800 *4350 *4350	1850 4200 4300 *4350	1650 1850 2950 3550	*2550 *2550 *2550 *2550	1700 *2550 *2550 *2550	1500 1700 *2550 *2550	7900
0 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				5800 5800 *7700 *7700	3700 *7700 *7700 *7700	3200 3700 6050 7500	3800 3800 *5600 *5600	2450 *5600 *5600 *5600	2200 2500 3950 4800	2750 2750 *4150 *4150	1800 4150 *4150 *4150	1600 1800 2900 3450	2650 2650 *2800 *2800	1750 *2800 *2800 *2800	1550 1750 2800 *2800	7700
–1500 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered	*6300 *6300 *6300 *6300	*6300 *6300 *6300 *6300	5850 *6300 *6300 *6300	5750 5750 *6900 *6900	3650 *6900 *6900 *6900	3200 3650 6000 *6900	3750 3750 *5050 *5050	2450 *5050 *5050 *5050	2150 2450 3900 4750				2950 2950 *3250 *3250	1950 *3250 *3250 *3250	1700 1950 3050 *3250	7170
-3000 mm	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*5250 *5250 *5250 *5250	3700 *5250 *5250 *5250	3250 3700 *5250 *5250	*3500 *3500 *3500 *3500	2500 *3500 *3500 *3500	2200 2500 *3500 *3500							

^{*}Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

Oscillating axle needs to be locked. Weight of all lifting accessories must be subtracted from the lifting capacities. All lift capacities calculated and rated per ISO 10567:2007. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Heavy Lift Function ON. Lifting capacities are based on the machine standing on a firm uniform supporting surface. The load point is the center line of the bucket pivot mounting pin on the stick. Lift capacity is calculated with VA cylinder completely extracted. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift Capacities – Variable Adjustable Boom (17'1"), 8'2" Stick

All values are in lb, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 7,280 lb, heavy lift function on.

	Load at maximum reach (sticknose/bucket pin)	₽ La	oad over	front			oad over i	rear		F Lo	ad over s	ide		≥ _I Lo	ad point	height	
S _T			10 ft			15 ft			20 ft			25 ft				=	
	Undercarriage configuration	4	V	Œ	4	V	Œ	4	9	GP	₽	Ð	₽		V	Œ₽	ft
25 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*9,400 *9,400 *9,400 *9,400	*9,400 *9,400 *9,400 *9,400	9,300 *9,400 *9,400 *9,400							*6,800 *6,800 *6,800 *6,800	*6,800 *6,800 *6,800 *6,800	*6,800 *6,800 *6,800 *6,800	16.86
20 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*9,500 *9,500 *9,500 *9,500	*9,500 *9,500 *9,500 *9,500	9,400 *9,500 *9,500 *9,500	*8,600 *8,600 *8,600 *8,600	6,400 *8,600 *8,600 *8,600	5,800 6,400 *8,600 *8,600				*5,800 *5,800 *5,800 *5,800	5,600 *5,800 *5,800 *5,800	5,000 5,600 *5,800 *5,800	21.49
15 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				*11,200 *11,200 *11,200 *11,200	10,000 *11,200 *11,200 *11,200	8,900 10,000 *11,200 *11,200	9,200 9,200 *10,500 *10,500	6,300 *10,500 *10,500 *10,500	5,600 6,300 9,600 *10,500				*5,400 *5,400 *5,400 *5,400	4,500 *5,400 *5,400 *5,400	4,000 4,500 *5,400 *5,400	24.18
10 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				13,800 13,800 *14,900 *14,900	9,200 *14,900 *14,900 *14,900	8,100 9,200 14,400 *14,900	8,800 8,800 *11,200 *11,200	5,900 *11,200 *11,200 *11,200	5,300 6,000 9,200 11,000	6,200 6,200 *7,600 *7,600	4,100 *7,600 *7,600 *7,600	3,700 4,100 6,500 *7,600	*5,400 *5,400 *5,400 *5,400	3,900 *5,400 *5,400 *5,400	3,500 4,000 *5,400 *5,400	25.59
5 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				13,000 12,900 *16,600 *16,600	8,400 *16,600 *16,600 *16,600	7,400 8,400 13,500 16,600	8,500 8,400 *12,100 *12,100	5,600 *12,100 *12,100 *12,100	5,000 5,600 8,800 10,600	6,100 6,000 *9,300 *9,300	4,000 9,000 9,300 *9,300	3,500 4,000 6,300 7,600	*5,600 *5,600 *5,600 *5,600	3,800 *5,600 *5,600 *5,600	3,300 3,800 *5,600 *5,600	25.92
0 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered				12,500 12,400 *16,700 *16,700	7,900 *16,700 *16,700 *16,700	7,000 8,000 13,000 16,100	8,200 8,200 *12,100 *12,100	5,300 *12,100 *12,100 *12,100	4,700 5,400 8,500 10,300	6,000 5,900 *7,800 *7,800	3,900 *7,800 *7,800 *7,800	3,400 3,900 6,200 7,500	5,900 5,900 *6,100 *6,100	3,800 *6,100 *6,100 *6,100	3,400 3,900 6,100 *6,100	25.26
–5 ft	Front empty – rear radial dozer – raised Front empty – rear radial dozer – lowered Front radial dozer – rear stab – lowered Front stab – rear stab – lowered	*14,400 *14,400 *14,400 *14,400	*14,400 *14,400	12,600 *14,400 *14,400 *14,400	12,400 12,300 *15,000 *15,000	7,800 *15,000 *15,000 *15,000	6,900 7,900 12,900 *15,000	8,100 8,100 *10,900 *10,900	5,200 *10,900 *10,900 *10,900	4,600 5,300 8,400 10,300				6,500 6,500 *7,200 *7,200	4,300 *7,200 *7,200 *7,200	3,800 4,300 6,800 *7,200	23.49
-10 ft	Front empty — rear radial dozer — raised Front empty — rear radial dozer — lowered Front radial dozer — rear stab — lowered Front stab — rear stab — lowered				*11,300 *11,300 *11,300 *11,300	8,000 *11,300 *11,300 *11,300	7,000 8,000 *11,300 *11,300	7200* *7,200 *7,200 *7,200	5,400 *7,200 *7,200 *7,200	4,800 5,500 *7,200 *7,200							

^{*}Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

Oscillating axle needs to be locked. Weight of all lifting accessories must be subtracted from the lifting capacities. All lift capacities calculated and rated per ISO 10567:2007. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Heavy Lift Function ON. Lifting capacities are based on the machine standing on a firm uniform supporting surface. The load point is the center line of the bucket pivot mounting pin on the stick. Lift capacity is calculated with VA cylinder completely extracted. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

The above loads are in compliance with hydraulic excavator standard EN474-5:2006+A3:2013, they do not exceed 87%

of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Bucket Specifications and Compatibility

Contact your Cat dealer for special bucket requirements.

											3300 kg	(7,280 lb) Counte	erweigh	t	
											Va	riable A	ngle Bo	om		
									22	200 mm (7'3") Sti	ck	2!	00 mm (8'2") Sti	ck
		Wi	dth	Сар	acity	We	ight	Fill	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
	Linkage	mm	in	m³	yd³	kg	lb	%	Free	Only	Doz stak	Four (outri	Free	Only	Doz stak	Four (out
Pin-On (No Quick Coupler)																
General Duty	316	600	24	0.35	0.46	440	969	100	•							
	316	900	36	0.62	0.81	546	1,203	100	$\mid \ominus \mid$				Θ	•		
	316	1200	48	0.91	1.19	658	1,450	100	\Diamond	0			\Diamond	\Diamond		
	316	1300	51	1.00	1.31	695	1,532	100	X	\Diamond			Х	\Diamond		
Ditch Cleaning	316	2000	78	0.94	1.23	723	1,594	100	\Diamond	\Diamond			Х	\Diamond		
Ditch Cleaning Tilt	316	2000	79	0.86	1.12	1028	2,266	100	X	\Diamond			X	Х		
			Mavi	mum load	with nin-or	(navload	+ hucket)	kg	1540	1790	2973	3631	1456	1694	2825	3452
			IVIAXI	illulli loau	with pili-or	i (payioau	+ bucket)	lb	3,396	3,945	6,555	8,005	3,209	3,735	6,228	7,609
With Pin Grabber Coupler																
General Duty	316	600	24	0.35	0.46	440	969	100					•			
	316	900	36	0.62	0.81	546	1,203	100	\Diamond	Θ			\Diamond	0		
	316	1200	48	0.91	1.19	658	1,450	100	Х	\Diamond			Х	Х		
	316	1300	51	1.00	1.31	695	1,532	100	X	Х	•		Х	Х	•	
Ditch Cleaning	316	2000	78	0.94	1.23	723	1,594	100	X	Х	•	•	X	Х	•	
Ditch Cleaning Tilt	316	2000	79	0.86	1.12	1028	2,266	100	X	Х	•	•	X	Х	Θ	
			Maxim	ıum load w	ith couple	r (payload	+ bucket)	kg Ib	1209 2.666	1459	2642 5,825	3300 7,276	1125	1363	2494 5,499	3121 6,880
					,			מו	2,000	3,216	0,020	1,210	2,480	3,006	0,499	0,000

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- 1800 kg/m³ (3,000 lb/yd³)
- → 1500 kg/m³ (2,500 lb/yd³)
- O 1200 kg/m³ (2,000 lb/yd³)
- 900 kg/m³ (1,500 lb/yd³) X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

(continued on next page)

Capacity based on ISO 7451.

Bucket Specifications and Compatibility (continued)

Contact your Cat dealer for special bucket requirements.

											3300 kg	(7,280 lb) Counte	erweigh	t	
											Va	riable A	ngle Bo	om		
									22	200 mm ((7'3") Sti	ck	2!	500 mm (8'2") Sti	ck
		Wi	dth	Сар	acity	We	ight	Fill	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
	Linkage	mm	in	m ³	Vq3	kg	lb	%	Free	Only	Doze	Four (outr	Free	Only	Doze	Four (outr
With CW-30 Coupler								Į.								
General Duty	316	600	24	0.35	0.46	439	967	100								
,	316	750	30	0.49	0.64	475	1,047	100	<u> </u>				Ð			•
	316	900	36	0.62	0.81	534	1,177	100	Ŏ	Ð			Ŏ	ě		•
	316	1100	43	0.80	1.04	593	1,307	100	\Diamond	Ō			Х	\Diamond		•
	316	1200	48	0.90	1.18	646	1,423	100	Х	\Diamond	•	•	Х	\Diamond	•	•
	316	1300	51	1.00	1.31	677	1,492	100	Х	\Diamond	•	•	Х	Х	•	•
Heavy Duty	316	1300	51	1.00	1.31	694	1,529	100	X	\Diamond	•	•	Х	Х	•	•
General Duty – Leveling Edge	316	996	39.2	0.70	0.93	586	1,291	100	\Diamond	0	•	•	\Diamond	0		•
	316	1200	47	0.91	1.19	672	1,481	100	X	\Diamond	•	•	Х	\Diamond	•	•
	316	690	27	0.47	0.61	476	1,049	100	•		•	•	Θ			
	316	790	31	0.56	0.73	509	1,122	100	Θ	•			0	•		
Ditch Cleaning Tilt	316	1800	72	0.78	1.02	1048	2,310	100	Х	Х			Х	Х		
	316	2000	79	0.86	1.13	1111	2,449	100	X	Х	•	•	Х	Х	•	•
			Maxim	um load w	ith couple	r (navload	, bucket)	kg	1328	1578	2761	3419	1244	1482	2613	3240
			IVIAXIII	uiii ioau w	nui coupie	i (payioau	+ bucket)	lb	2,928	3,478	6,087	7,538	2,742	3,268	5,761	7,142
With CW-30S Coupler																
General Duty	316	600	24	0.35	0.46	423	932	100			•	•			•	•
	316	750	30	0.49	0.64	471	1,038	100	•	•		•	θ	•		•
	316	900	36	0.62	0.81	534	1,177	100	0	Θ	•	•	0	θ		•
	316	1100	43	0.80	1.04	593	1,307	100	\Diamond	0	•	•	Х	\Diamond	•	•
	316	1200	48	0.91	1.18	646	1,423	100	X	\Diamond			Х	\Diamond	•	
	316	1300	51	1.00	1.31	677	1,492	100	Х	\Diamond			Х	Х	•	•
Heavy Duty	316	1200	48	0.91	1.18	663	1,461	100	X	\Diamond			Х	\Diamond		
	316	1300	51	1.00	1.31	695	1,531	100	X	\Diamond	•	•	Х	Х	•	•
Ditch Cleaning Tilt	316	2000	79	0.86	1.13	1092	2,407	100	X	Х	•	•	Х	Х	•	•
			Mavim	um load w	ith couple	r (navlnad	⊥ hucket)	kg	1336	1586	2769	3427	1252	1490	2621	3248
			iviaXIII	um load W	nai coupie	i (payioau	: DUCKEL)	lb	2,946	3,495	6,105	7,556	2,760	3,286	5,779	7,160

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- 1800 kg/m³ (3,000 lb/yd³)
- → 1500 kg/m³ (2,500 lb/yd³)
- O 1200 kg/m³ (2,000 lb/yd³)
- 900 kg/m³ (1,500 lb/yd³)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

The above loads are in compliance with hydraulic excavator standard EN474-5:2006+A3:2013, they do not exceed 87%

Capacity based on ISO 7451.

of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Bucket Specifications and Compatibility (continued)

Contact your Cat dealer for special bucket requirements.

											3300 kg	(7,280 lb) Counte	erweigh	t	
											Va	riable A	ngle Bo	om		
									22	200 mm (7'3") Sti	ck	2!	500 mm (8'2") Sti	ck
		Wi	idth	Cap	acity	We	ight	Fill	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
	Linkage	mm	in	m³	yd³	kg	lb	%	Fre	0 Iu	Doz sta	Four (our	Fre	lu0	Doz sta	- Po
With S60 Coupler																
Heavy Duty	0	1100	43	0.80	1.05	628	1,385	100	\Diamond	0	•	•	X	\Diamond	•	•
	0	1150	45	0.90	1.18	699	1,641	100	Х	\Diamond	•	•	Х	\Diamond	•	•
			Maxim	um load w	ith couple	r (payload	+ bucket)	kg Ib	1364 3,008	1614 3,557	2797 6,167	3455 7,617	1280 2,821	1518 3,347	2649 5,840	3276 7,221
No Machine Coupler, TRS14 CW30									1 0,000	0,007	0,107	1,011	1 2/02 !	0,01.	0,010	1,722.
Grading – General Duty	316	1700	67	0.65	0.85	634	1,397	100	Х	Х	•	•	Х	Х	•	
Trenching – General Duty	316	660	26	0.45	0.59	395	871	100	\Diamond	Θ	•	•	Х	0	•	•
			Mavi	mum load	with pin-or	, /navload	, bucket)	kg	818	1068	2251	2909	734	972	2103	2730
			IVIANI	iiuiii ioau	with pin-or	i (payioau	+ DUCKEL)	lb	1,804	2,353	4,963	6,414	1,618	2,144	4,637	6,018
No Machine Coupler, TRS14 CW30S																
Grading – General Duty	316	1600	63	0.75	0.98	595	1,311	100	X	Х	•	•	Х	Х	•	•
			Maxi	num load	with pin-or	n (payload	+ bucket)	kg	864	1114	2297	2955	780	1018	2149	2776
No Machine Coupler, TRS14 S60								lb	1,905	2,455	5,064	6,515	1,719	2,245	4,738	6,119
Grading – General Duty	316	1500	59	0.52	0.68	511	1,127	100	\Diamond	0			l v	0		
Grading – General Duty	316	1500	59	0.52	0.85	535	1,127	100	X	\Diamond			X	\Diamond		
	316	1600	63	0.05	0.03	576	1,173	100	X	X			X	X		
Trenching – General Duty	316	540	21	0.73	0.43	320	706	100	(A)	•			Ô	•		
g Contra Daty	1 010	1 010						kg	965	1215	2398	3056	881	1119	2250	2877
			Maxi	mum load	with pin-or	ı (payload	+ bucket)	lb	2,128	2,678	5,287	6,738	1,942	2,468	4,961	6,342

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- 1800 kg/m³ (3,000 lb/yd³)
- On the second HTML (2,500 lb/yd³)
- O 1200 kg/m³ (2,000 lb/yd³)
- ♦ 900 kg/m³ (1,500 lb/yd³)
- X Not Recommended

of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451.

The above loads are in compliance with hydraulic excavator standard EN474-5:2006+A3:2013, they do not exceed 87%

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

Bucket Specifications and Compatibility (continued)

Contact your Cat dealer for special bucket requirements.

										3300 kg	(7,280 lb) Counte	erweigh	t	
										Va	riable A	ngle Bo	om		
								22	.00 mm (7'3") Sti	ck	25	500 mm (8'2") Sti	ck
	Wi	dth	Cap	acity	We	ight	Fill	e on wheels	y dozer (blade) lowered	zer (blade) and two bilizers (outrigger) lowered	ır stabilizers trigger) lowered	e on wheels	y dozer (blade) lowered	zer (blade) and two bilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
Linkage	mm	in	m³	yd³	kg	lb	%	Fre	lu 0	Do; sta	Fou (ou	Fre	- E	Do; sta	Pou (ou
				,											
316	1700	67	0.65	0.85	634	1,397	100	X	Х	•	•	X	X	•	•
316	660	26	0.45	0.59	395	871	100	Х	\Diamond			Х	Х		
		Mavim	um load w	ith countai	r Inavload	+ hucket)	kg	592	842	2025	2683	508	746	1877	2504
		IVIGAIII	uiii ioau w	itii coupiei	(payloau	T DUCKEL)	lb	1,306	1,855	4,465	5,915	1,119	1,645	4,138	5,519
316	1600	63	0.75	0.98	595	1,311	100	X	Х			X	Х		
		Mavi	num laad ı	with nin-or	Inavload	+ hucket)	kg	667	917	2100	2758	583	821	1952	2579
		IVIGAL		with pin-or	i (payioau	T DUCKEL)	lb	1,471	2,021	4,630	6,081	1,285	1,811	4,304	5,685
316	1600	63	0.75	0.98	576	1,270	100	Х	Χ	•		Х	Х	•	•
316	1700	67	0.80	1.05	610	1,346	100	X	Χ	•		Х	Х	•	•
316	1800	71	0.90	1.18	643	1,418	100	Х	Χ	•		Х	Х	θ	
316	540	21	0.33	0.43	540	1,190	100	\Diamond	θ	•	•	Х	0	•	•
		Maxim	um load w	ith counter	r (navload	+ bucket)	kg Ib	824 1,817	1074 2,367	2257 4,976	2915 6,427	740 1,631	978 2,157	2109 4,650	2736 6,031
	316 316 316 316 316 316 316	316 1600 316 1700 316 1700 316 1700 316 1800 1800	316 1700 67 316 660 26 Maxim 316 1600 63 Maxim 316 1600 63 316 1700 67 316 1800 71 316 540 21	Linkage mm in m³ 316	Linkage mm in m³ yd³ 316 1700 67 0.65 0.85 316 660 26 0.45 0.59 Maximum load with coupler 316 1600 63 0.75 0.98 Maximum load with pin-or 316 1600 63 0.75 0.98 316 1700 67 0.80 1.05 316 1800 71 0.90 1.18 316 540 21 0.33 0.43	Linkage mm in m³ yd³ kg 316 1700 67 0.65 0.85 634 316 660 26 0.45 0.59 395 Maximum load with coupler (payload or second or	Linkage mm in m³ yd³ kg lb 316 1700 67 0.65 0.85 634 1,397 316 660 26 0.45 0.59 395 871 Maximum load with coupler (payload + bucket) 316 1600 63 0.75 0.98 595 1,311 Maximum load with pin-on (payload + bucket) 316 1600 63 0.75 0.98 576 1,270 316 1700 67 0.80 1.05 610 1,346 316 1800 71 0.90 1.18 643 1,418	Linkage mm in m³ yd³ kg lb % 316 1700 67 0.65 0.85 634 1,397 100 316 660 26 0.45 0.59 395 871 100 Maximum load with coupler (payload + bucket) kg lb 316 1600 63 0.75 0.98 595 1,311 100 Maximum load with pin-on (payload + bucket) kg lb 316 1600 63 0.75 0.98 576 1,270 100 316 1700 67 0.80 1.05 610 1,346 100 316 1800 71 0.90 1.18 643 1,418 100 316 540 21 0.33 0.43 540 1,190 100	Width Capacity Weight Fill 56 58 58 58 58 58 58 58	Width Capacity Weight Fill September Sept	Width Capacity Weight Fill	Width Capacity Weight Fill	Width Capacity Weight Fill	Width Capacity Weight Fill Same Same	Width Capacity Weight Fill Signature Fill F

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- O 1200 kg/m³ (2,000 lb/yd³)
- 900 kg/m³ (1,500 lb/yd³)
- X Not Recommended

The above loads are in compliance with hydraulic excavator standard EN474-5:2006+A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451.

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

Not all attachments are	available in all regi	ons. Consult your	Cat dealer	tor config	urations av	allable in y	our region	١.	
✓ Match	No Match	✓* Working range	front only	• 1	800 kg/m³ (300	00 lb/yd³)	O 1200) kg/m³ (2000 l	b/yd³)
PIN-ON ATTACHMENTS									
Undercarriage			utrigger/ Blade		Blade/ utrigger		ıtrigger/ utrigger	Rear	Blade
Counterweight			(7,280 lb)		(7,280 lb)		(7,280 lb)		(7,280 lb)
Boom Type		Var	iable ble Boom	Vari	able ble Boom	Vari	able ole Boom	Vari	able ole Boom
Stick Length		2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓	✓	✓
Demolition and	G313 GC	✓	✓	✓	✓	✓	✓	✓	✓
Sorting Grapples	G314	✓	✓	✓	✓	✓	✓	✓	√ *
	G317 GC	✓	✓	✓	✓	✓	✓		
Mobile Scrap and	S3015	✓	✓	✓	✓	✓	✓	✓	✓
Demolition Shears	S3015 Flat Top	✓	✓	✓	✓	✓	✓	✓	√ *
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓	✓	✓
Orange Peel Grapples	GSH420-500	•	•	•	•	•	•	0	
	GSH420-600	•	•	•	•	•	•		
	GSH420-750	•	0	•	0	•	0		
	GSH520-500	•	•	•	•	•	•		
	GSH520-600	•	0	•	0	•	0		
	GSH520-750	0	0	0	0	0	0		
	GSV520 GC-400	•	•	•	•	•	•	0	0
	GSV520 GC-500	•	•	•	•	•	•	0	
	GSV520 GC-600	•	•	•	•	•	•		
	GSV520 GC-750	•	0	•	0	•	0		
	GSV520-400	•	•	•	•	•	•	0	0
	GSV520-500	•	•	•	•	•	•		
	GSV520-600	•	0	•	0	•	0		
	GSV520-750	•	0	•	0	•	0		

Attachments Offering Guid	de (continued)								
Not all attachments are availab	le in all regions. Consult	your Cat de	aler for c	onfigurati	ons availa	ble in you	r region.		
✓ Match	No Match			✓* W	orking rang	e front only			
CAT PIN GRABBER COUPLER ATTA	CHMENTS								
Undercarriage			utrigger/ Blade		Blade/ utrigger		ıtrigger/ utrigger	Rear	Blade
Counterweight		3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)
Boom Type			iable ble Boom		able ole Boom		able ole Boom		able ole Boom
Stick Length		2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓	√ *	√ *
	H115 S	✓	✓	✓	✓	✓	✓	✓	✓
Demolition and	G313 GC	✓	✓	✓	✓	✓	✓		
Sorting Grapples	G314	✓	✓	✓	✓	✓	✓		
Mobile Scrap and	S3015	✓	✓	✓	✓	✓	✓		
Demolition Shears	S3015 Flat Top	✓	✓	✓	✓	✓	✓		
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓	✓	✓

CW-30S DEDICATED COUPLER ATT	ACHMENTS								
Undercarriage			ıtrigger/ Blade		Blade/ utrigger		ıtrigger/ utrigger	Rear	Blade
Counterweight		3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)
Boom Type			able ole Boom		able ole Boom		able ole Boom		able ole Boom
Stick Length		2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓	√ *	√ *
	H115 S	✓	✓	✓	✓	✓	✓	✓	✓
Demolition and	G313 GC	✓	✓	✓	✓	✓	✓	√ *	√ *
Sorting Grapples	G314	✓	✓	✓	✓	✓	✓	√ *	
	G317 GC	✓	✓	✓	✓	✓	✓		
Mobile Scrap and	S3015	✓	✓	✓	✓	✓	✓	√ *	
Demolition Shears	S3015 Flat Top	✓	✓	✓	✓	✓	✓	√ *	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓	✓	√

CVP75

Attachments Offering	Guide (continued)								
Not all attachments are av	ailable in all regions. Consult y	our Cat de	aler for c	onfiguratio	ons availa	ble in you	r region.		
✓ Match	No Match			✓ * W	orking range	e front only			
CW-30 DEDICATED COUPLER	ATTACHMENTS								
Undercarriage			utrigger/ Blade		Blade/ utrigger		ıtrigger/ utrigger	Rear	Blade
Counterweight		3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)
Boom Type			iable ble Boom		able ole Boom		able ole Boom		able ole Boom
Stick Length		2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓	✓	√ *
	H115 S	✓	✓	✓	✓	✓	✓	✓	✓
Demolition and	G313 GC	✓	✓	✓	✓	✓	✓	√ *	
Sorting Grapples	G313 GC-Fixed CAN	✓	✓	✓	✓	✓	✓	✓	√ *
	G314	✓	✓	✓	✓	✓	✓	√ *	
	G317 GC	✓	✓	✓	✓	✓	✓		
	G317 GC-Fixed CAN		✓		✓		✓		
Mobile Scrap and	S3015	✓	✓	✓	✓	✓	✓		
Demolition Shears	S3015 Flat Top	✓	✓	✓	✓	✓	✓	√ *	

S60 DEDICATED COUPLER ATTACH	MENTS								
Undercarriage		33 ,			Blade/ utrigger	Rear Outrigger/ Front Outrigger 3300 kg (7,280 lb) Variable Adjustable Boom		Rear Blade 3300 kg (7,280 lb) Variable Adjustable Boom	
Counterweight		3300 kg (7,280 lb) 3300 kg (7,280 lb) Variable Variable Adjustable Boom Adjustable Boom		3300 kg (7,280 lb)					
Boom Type									
Stick Length		2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓	✓	✓
•	H115 GC S	✓	✓	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓	✓	✓
Demolition and	G313 GC	✓	✓	✓	✓	✓	✓	√ *	√ *
Sorting Grapples	G314	✓	✓	✓	✓	✓	✓	√ *	
	G317 GC		✓		✓		✓		
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓	✓	✓	✓	✓	✓	√ *	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓	✓	✓

(continued on next page)

Compactors (Vibratory Plate)

Attachments Offering Guid	de <i>(continued)</i>							
Not all attachments are availab	le in all regions. Consult y	our Cat de	aler for co	onfiguratio	ons availa	ble in you	r region.	
✓ Match	No Match			✓* W	orking rango	e front only		
TRS14-CW-30S ATTACHMENTS								
Undercarriage			ıtrigger/ Blade		Blade/ utrigger		ıtrigger/ utrigger	Rear Blade
Counterweight		3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg (7,280 lb)
Boom Type			able ole Boom		able ole Boom		able ole Boom	Variable Adjustable Boom
Stick Length		2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")
		(10)	(0 = /	(10)	(0 = /	(13)	(0 2 /	(737
Hydraulic Hammers	H110 GC S	(10)	√ ·	(10)	<u>√</u>	(13)	(0 Z) ✓	(7.5.7
	H110 GC S H110 S	√ · · · · · · · · · · · · · · · · · · ·	• •	√ ·		√ ·	• •	(13)
		, ,	✓		✓		✓	(737
Hydraulic Hammers Demolition and	H110 S	, ,	✓ ✓		√		✓ ✓	(737
Hydraulic Hammers	H110 S H115 S	√ ·	✓ ✓	√	✓ ✓ ✓	√	√ √ √	(737
Hydraulic Hammers Demolition and	H110 S H115 S G212 GC	√ ✓	✓ ✓ ✓	✓ ✓	✓ ✓ ✓	✓ ✓	√ ✓ ✓	(737
Hydraulic Hammers Demolition and	H110 S H115 S G212 GC G212 GC-fixed CAN	✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓ ✓	(737

TRS14-CW-30 ATTACHMENTS							
Undercarriage Counterweight			utrigger/ Blade		Blade/ utrigger	Rear Outrigger/ Front Outrigger	
		3300 kg	(7,280 lb)	3300 kg	3300 kg (7,280 lb)		(7,280 lb)
Boom Type		Variable Adj	ustable Boom	Variable Adjustable Boom		Variable Adjustable Boom	
Stick Length		2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")
Hydraulic Hammers	H110 GC S	✓	✓	✓	✓	✓	✓
	H110 S	✓	✓	✓	✓	✓	✓
	H115 S		✓		✓		✓
Demolition and	G212 GC	✓	✓	✓	✓	✓	✓
Sorting Grapples	G212 GC-fixed CAN	✓	✓	✓	✓	✓	✓
	G213 GC	✓	✓	✓	✓	✓	✓
	G213 GC-fixed CAN	✓	✓	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

Attachments Offering Guid Not all attachments are availab		vour Cat de	aler for c	onfiguratio	ons availa	ble in vou	ır region.		
✓ Match	No Match	, , , , , , , , , , , , , , , , , , , ,	✓* Working range front only						
TRS14-S60 ATTACHMENTS									
Undercarriage			ıtrigger/ Blade		Blade/ utrigger		ıtrigger/ utrigger	Rear	Blade
Counterweight		3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)	3300 kg	(7,280 lb)
Boom Type			able ole Boom		able ole Boom		able ole Boom		iable ble Boom
Stick Length		2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")	2200 mm (7'3")	2500 mm (8'2")
Hydraulic Hammers	H110 GC S	✓	✓	✓	✓	✓	✓	√ *	
	H110 S	✓	✓	✓	✓	✓	✓	✓	√ *
	H115 S	✓	✓	✓	✓	✓	✓	√ *	
Demolition and	G212 GC	✓	✓	✓	✓	✓	✓	√ *	
Sorting Grapples	G213 GC	✓	✓	✓	✓	✓	✓		
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓	✓	✓

Standard and Optional Equipment

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

	Standard	Optional
BOOM, STICKS AND LINKAGES		
5205 mm (17'1") Variable	✓	
Adjustable boom		
2200 mm (7'3") stick		✓
2500 mm (8'2") stick		✓
Bucket linkage, 316-family without lifting eye		✓
Bucket linkage, 316-family with lifting eye		✓
CAT TECHNOLOGY		
Cat Product Link™	✓	
Remote Flash capability	✓	
Remote Troubleshoot capability	✓	
Compatibility with radios and base stations from Trimble		✓
Capability to install 3D grade systems from Trimble		✓
Cat Grade with 2D		✓
Cat Grade with Advanced 2D		✓
Cat Grade with 3D		✓
Cat Payload		✓
2D E-Fence		✓
ELECTRICAL SYSTEM		
LED lights on boom and cab	✓	
LED lights on chassis (left-hand, right-hand) and counterweight		✓
Programmable time-delay LED working lights	✓	
Roading and indicator lights, front and rear	✓	
Maintenance free batteries	✓	
Centralized electrical disconnect switch	✓	
Electrical refueling pump		✓

	Standard	Optional
ENGINE		
Cat C4.4 Single Turbo diesel engine – meets Tier 4 Final/Stage V emission standards	✓	
Power mode selector	✓	
One-touch low idle with automatic engine speed control	✓	
Automatic engine idle shutdown	✓	
Work up to 3000 m (9,842 ft) above sea level without engine power de-rating	✓	
52° C (125° F) high-ambient cooling capacity	✓	
Cold starting capability for –18° C (0° F)	✓	
Double element air filter with integrated precleaner	✓	
Electric fuel priming pump	✓	

M316 Standard and Optional Equipment

Standard and Optional Equipment (continued)

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

	Standard	Optional
HYDRAULIC SYSTEM		
Boom, stick and bucket drift reduction valves	✓	
Boom and stick lowering check valves	✓	
Electronic main control valve	✓	
Automatic hydraulic oil warm up	✓	
Element type main hydraulic filter	✓	
One-slider joysticks	✓	
Two-slider joysticks		✓
Advanced Tool Control (one/two way high-pressure flow with drift reduction)	✓	
Second high pressure auxiliary circuit (one/two way high-pressure flow)		✓
Medium pressure auxiliary circuit (one/two way medium-pressure flow)		✓
Heavy lift mode	✓	
Quick coupler circuit for Cat pin grabber and CW dedicated	✓	
SmartBoom TM		✓
Ride control		✓
Cat tiltrotator support		✓
Joystick steering		✓
Separate dedicated swing pump	✓	
Automatic swing brake	✓	
Cat BIO HYDO™ Advanced biodegradable hydraulic oil		✓
Adjustable hydraulic aggressiveness	✓	
Pattern changer	✓	
SAFETY AND SECURITY		
Rear and right-side-view cameras	✓	
360° visibility		✓
Wide angle mirrors	✓	
Heated and remotely adjustable mirrors		✓
Travel alarm		✓
Signal/warning horn	✓	
Rotating beacon on cab and chassis		✓
Neutral lever (lock out) for all controls	✓	
Ground-level accessible secondary engine shutoff switch in cab	✓	
Bluetooth® receiver	✓	
Anti-skid plate and countersunk bolts on service platform	✓	

	Standard	Optional
SERVICE AND MAINTENANCE		
Sampling ports for Scheduled Oil Sampling (S·O·S SM)	✓	
Automatic lubrication system for implement and swing system		✓
UNDERCARRIAGE AND STRUCTURES		
All wheel drive	✓	
Automatic brake/axle lock	✓	
Creeper speed	✓	
Electronic swing and travel lock	✓	
Heavy-duty axles, advanced disc brake system and travel motor, adjustable braking force	✓	
Oscillating front axle, lockable, with remote greasing point	✓	
10.00-20 16 PR, dual tires		✓
11.00-20 dual tires		✓
315/70R22.5, no gap dual tires		✓
445/70R 19.5, single tires		✓
Steps with tool box in undercarriage (left and right)	✓	
Two-piece drive shaft	✓	
Two speed hydrostatic transmission	✓	
Undercarriage steps, for parallel blade		✓
Rear blade (radial) undercarriage		✓
Rear blade (radial)/front outrigger undercarriage		✓
Rear outrigger/front blade (radial) undercarriage		✓
Rear outrigger/front outrigger undercarriage		✓
Fenders, front and rear, synthetic		✓
Travel restraint bracket for grapple/ clamshell		✓
3300 kg (7,280 lb) counterweight	✓	

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

• 75 mm (3") retractable seat belt

SAFETY AND SECURITY

• Bluetooth key fob

GUARDS

- Falling object guard system (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)

M316 Cab Options

Cab Options

Jeated seat with air-adjustable suspension Jeated and cooled seat with automatic adjustable suspension Jeated and cooled seat with automatic adjustable suspension Jeight-resolution 254 mm (10") LCD touchscreen monitor Jeigh-resolution 254 mm (10") LCD touchscreen monitor Jectrical and adjustable heated mirror Jectrical and adjustable heated mirror Jectrical and adjustable heated mirror Jetetrical and Je	Deluxe	Premium
Heated and cooled seat with automatic adjustable suspension Height-adjustable console, infinite with no tool High-resolution 254 mm (10") LCD touchscreen monitor Mechanical mirror Hectarical and adjustable heated mirror Automatic bi-level air conditioner Bog dial and shortcut keys for monitor control Herein (10") orange seat belt Horastened seat belt warning Heluetooth integrated radio (including USB, aux port and microphone) ** 12V DC outlets Document storage Lup and bottle holders Depenable two-piece front window (laminated) Fixed one-piece front window (P5A classified) Farallel wiper with washer Fixed glass skylight LED dome lights Foot illumination Holder rear sunscreen Hear window emergency exit Vashable floor mat Heacon ready	•	•
deight-adjustable console, infinite with no tool digh-resolution 254 mm (10") LCD touchscreen monitor dechanical mirror dechanical mirror dectrical and adjustable heated mirror dutomatic bi-level air conditioner og dial and shortcut keys for monitor control decyless push-to-start engine decyless p	•	Х
High-resolution 254 mm (10") LCD touchscreen monitor Acchanical mirror Electrical and adjustable heated mirror Automatic bi-level air conditioner og dial and shortcut keys for monitor control Eveless push-to-start engine control I mm (2") orange seat belt Unfastened seat belt warning Eluctooth integrated radio (including USB, aux port and microphone) × 12V DC outlets Occument storage Eup and bottle holders Openable two-piece front window (laminated) Fixed one-piece front window (P5A classified) Parallel wiper with washer Fixed glass skylight ED dome lights Foot illumination Ecoller rear sunscreen Ever window emergency exit Vashable floor mat Beacon ready	Х	•
Mechanical mirror Electrical and adjustable heated mirror Automatic bi-level air conditioner By dial and shortcut keys for monitor control Electrical and adjustable heated mirror By dial and shortcut keys for monitor control Electrical and adjustable heated mirror Electrical and adjustable heated mirror Electrical and adjustable heated mirror Electrical and shortcut keys for monitor control Electrical and adjustable heated mirror Electrical and shortcut keys for monitor control Electrical and shortcut keys for monitor control Electrical and shortcut keys for monitor Electrical and shortcut keys for	•	•
Electrical and adjustable heated mirror automatic bi-level air conditioner og dial and shortcut keys for monitor control Ceyless push-to-start engine control I mm (2") orange seat belt Unfastened seat belt warning Bluetooth integrated radio (including USB, aux port and microphone) × 12V DC outlets Occument storage Cup and bottle holders Openable two-piece front window (laminated) Fixed one-piece front window (P5A classified) Carallel wiper with washer Cived glass skylight ED dome lights Coot illumination Coller rear sunscreen Cear window emergency exit Vashable floor mat Geacon ready	•	•
Automatic bi-level air conditioner og dial and shortcut keys for monitor control Ceyless push-to-start engine control I mm (2") orange seat belt Unfastened seat belt warning Bluetooth integrated radio (including USB, aux port and microphone) × 12V DC outlets Cocument storage Cup and bottle holders Openable two-piece front window (laminated) Cixed one-piece front window (P5A classified) Carallel wiper with washer Cixed glass skylight JED dome lights Coot illumination Coller rear sunscreen Cear window emergency exit Vashable floor mat Geacon ready	•	Х
og dial and shortcut keys for monitor control Ceyless push-to-start engine control I mm (2") orange seat belt Unfastened seat belt warning Bluetooth integrated radio (including USB, aux port and microphone) × 12V DC outlets Occument storage Cup and bottle holders Openable two-piece front window (laminated) Fixed one-piece front window (P5A classified) Carallel wiper with washer Fixed glass skylight JED dome lights Foot illumination Coller rear sunscreen Rear window emergency exit Vashable floor mat Geacon ready	Х	•
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Foot illumination Coller rear sunscreen Cear window emergency exit Vashable floor mat Geacon ready	•	•
Roller rear sunscreen Rear window emergency exit Vashable floor mat Beacon ready	•	•
Rear window emergency exit Vashable floor mat Beacon ready	•	•
Vashable floor mat Beacon ready	Х	•
Beacon ready	•	•
•	•	•
FOGS "ready"	•	•
	•	•
andal guards "ready"	•	•
Two LED cab lights	•	•
Rain visor	•	•

Standard

O Optional

X Not available

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