M319
Wheel Excavator

Technical Specifications

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

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M319 Wheel Excavator Specifications

Engine

Engine Model	Cat® C4.4	
Engine Power		
ISO 14396	129 kW	174 hp
ISO 14396 (metric)	176 hp (PS)	
Net Power		
ISO 9249	128 kW	171 hp
ISO 9249 (metric)	174 hp (PS)	
Bore	105 mm	4.1 in
Stroke	127 mm	5.0 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.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- 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.
- Rated speed 2,200 rpm.

(1)Cat 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 (hydrotreated 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.

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

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

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	104 kN	23,380 lbf
Maximum Gradeability at (19 000 kg/41,850 lb)	65%	

Service Refill Capacities

Fuel Tank (total capacity)	290 L	76.6 gal
Diesel Exhaust Fluid Tank	20 L	5.3 gal
Cooling System	35 L	9.2 gal
Engine Oil	13 L	3.4 gal
Hydraulic Tank	120 L	31.7 gal
Hydraulic System (including tank)	280 L	74 gal
Rear Axle Housing (differential)	14 L	3.7 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*	9.4 rpm	
Maximum Swing Torque	47.1 kN·m	34,739 lbf·ft

*For CE-marked machine default value may be set lower.

Undercarriage

Ground Clearance	360 mm	14.2 in
Maximum Steering Angle	35°	
Oscillation Axle Angle	± 8.5°	
Minimum Turning Radius		
Outside of Tire	6600 mm	21.6 ft
Outside of Tire (plastic fender)	7900 mm	25.9 ft
End of Variable Adjustable Boom	7100 mm	23.3 ft

Operating Weights*

Minimum	19 000 kg	41,890 lb
Maximum	21 050 kg	46,410 lb
Typical Configurations		
Variable Adjustable Boom**		
Rear Blade Only	19 250 kg	42,440 lb
Blade and Outriggers	20 250 kg	44,640 lb
Front and Rear Outriggers	20 450 kg	45,080 lb

*Operating weight includes full fuel tank, operator, bucket 700 kg (1,540 lb) and dual pneumatic tires. Weight varies depending on configuration.

**Typical configurations include 2.5 m (8'2") stick, bucket and 220 kg (485 lb) quick coupler.

Major Component Weights

Booms (including VA and stick cylinder, pins and standard hydraulic lines)		
5.2 m (17'1") Variable Adjustable Boom	2200 kg	4,850 lb
Sticks (including cylinder, bucket linkage, pins and standard hydraulic lines)		
2.2 m (7'3") Stick*	790 kg	1,740 lb
2.5 m (8'2") Stick	810 kg	1,790 lb
2.9 m (9'6") Stick	860 kg	1,900 lb
Counterweight		
5000 kg (11,020 lb) Counterweight	5000 kg	11,020 lb
Undercarriage (including axles, standard tires and steps)		
Rear Blade	4950 kg	10,910 lb
Front Blade/Rear Outrigger	6000 kg	13,230 lb
Rear Outrigger/Front Blade	6000 kg	13,230 lb
Rear Outrigger/Front Outrigger	6200 kg	13,670 lb
Buckets		
CW Bucket General Duty (GD) 1200 mm (47"), 0.91 m^3 (1.19 yd^3)	610 kg	1,340 lb
Pin-On Bucket GD 1200 mm (47"), 0.91 m^3 (1.19 yd^3)	650 kg	1,430 lb
Quick Couplers (QC)		
CW30 Dedicated Quick Coupler	220 kg	490 lb
Pin Grabber Quick Coupler	300 kg	660 lb

*Europe only.

Hydraulic System

Maximum Pressure – Implement Circuit		
Normal	35 000 kPa	5,076 psi
Heavy Lift	37 000 kPa	5,366 psi
Travel Circuit	35 000 kPa	5,076 psi
Maximum Pressure – Auxiliary Circuit		
High Pressure	35 000 kPa	5,076 psi
Medium Pressure	17 000 kPa	2,466 psi
Swing Mechanism	35 000 kPa	5,076 psi
Maximum Flow		
Implements	254 L/min	67 gal/min
Travel Circuit	210 L/min	56 gal/min
Auxiliary Circuit		
High Pressure	250 L/min	66.0 gal/min
Medium Pressure	55 L/min	14.5 gal/min
Swing Mechanism	98 L/min	25.9 gal/min
Cylinders		
Boom Cylinder (VA) – Bore	120 mm	0'5"
Boom Cylinder (VA) – Stroke	954 mm	3'2"
VAB Cylinder – Bore	140 mm	0'6"
VAB Cylinder – Stroke	743 mm	2'5"
Stick Cylinder – Bore	120 mm	0'5"
Stick Cylinder – Stroke	1147 mm	3'9"
Bucket Cylinder – Bore	100 mm	0'4"
Bucket Cylinder – Stroke	1055 mm	3'6"

Tires

Standard	10.00-20 (dual pneumatic)
Optional	11.00-20 (dual pneumatic) 315/70R22.5 (dual pneumatic spacerless) 445/70/R19.5 TL XF (single pneumatic) 300-80-22.5 (dual pneumatic, spacerless)

M319 Wheel Excavator Specifications

Dozer Blade

Blade Type	Parallel	
Width	2540 mm	8'4"
Width (wide axles)	2750 mm	9'0"
Blade Roll-Over Height	570 mm	1'10"
Blade Total Height	610 mm	2'0"
Maximum Lowering Depth From Ground	130 mm	0'5"
Maximum Raising Height Above Ground	495 mm	1'7"

Vibration Levels

Maximum Hand/Arm (ISO 5349-2001)	<2.5 m/s^2	<8.2 ft/s^2
Maximum Whole Body (ISO/TR 25398:2006)	<0.5 m/s^2	<1.6 ft/s^2
Seat Transmissibility Factor (ISO 7096:2020-spectral class EM6)	<0.7	

Standards

Brakes	ISO 3450:2011
Cab Rollover Protective Structure (ROPS)	ISO 12117-2:2008
Operator Protective Guard (OPG) (Optional)	ISO 10262:1998
Cab/Sound Levels	Meets appropriate standards as listed below

Sound Performance

ISO 6395:2008 internal	70 dB(A)
ISO 6395:2008 external	98 dB(A)

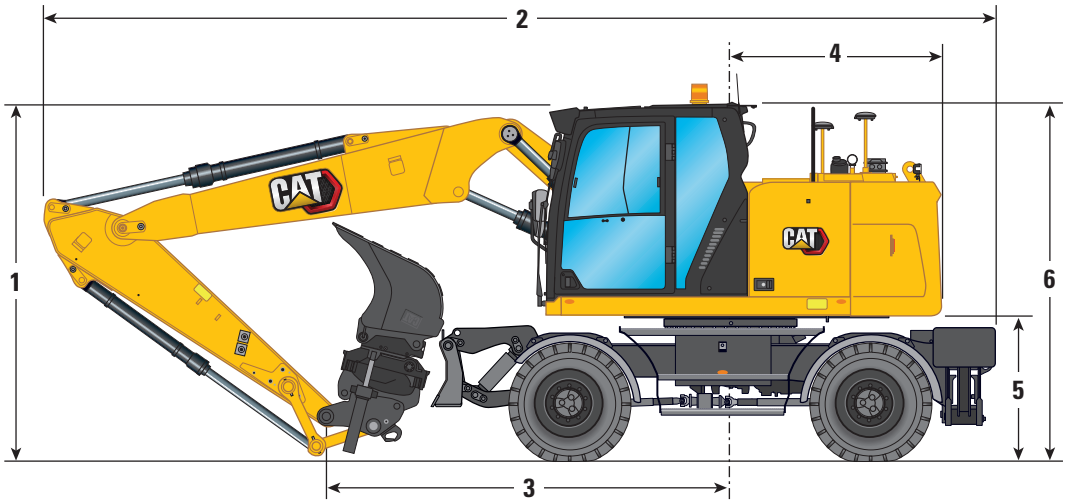
- Blue Angel Certified
- External Sound – The labelled spectator sound power level represents the Guaranteed Value per 2000/14/EC amended by 2005/88/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- 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

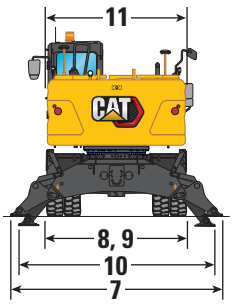
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg of refrigerant, which has a CO_2 equivalent of 1.43 metric tonnes.

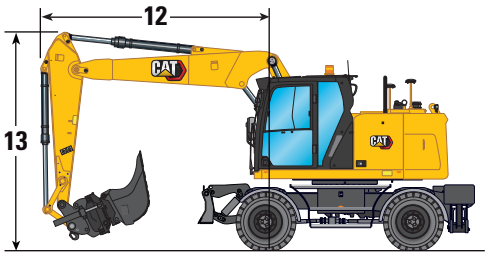
Dimensions

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



Boom Option	Variable Adjustable Boom 5.2 m (17'1")		
Stick Options	**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
1 Shipping Height			
With Operator Protective Guard (OPG) (highest point between boom and cab)	3360 mm (11'0")	3360 mm (11'0")	3380 mm (11'1")
Without OPG	3230 mm (10'7")	3250 mm (10'8")	3390 mm (11'1")
2 Shipping Length	8160 mm (26'9")	8110 mm (26'7")	8080 mm (26'6")
3 Support Point	3860 mm (12'8")	3520 mm (11'7")	3340 mm (10'11")
4 Tail Swing Radius	1900 mm (6'3")	1900 mm (6'3")	1900 mm (6'3")
5 Counterweight Clearance	1300 mm (4'3")	1300 mm (4'3")	1300 mm (4'3")
6 Cab Height			
No OPG	3200 mm (10'6")	3200 mm (10'6")	3200 mm (10'6")
With OPG	3360 mm (11'0")	3360 mm (11'0")	3360 mm (11'0")
Overall Machine Width			
7 Width with Outriggers on Ground	3820 mm (12'6")	3820 mm (12'6")	3820 mm (12'6")
8 Width with Outriggers Up	2540 mm (8'4")	2540 mm (8'4")	2540 mm (8'4")
9 Width with Blade	2540 mm (8'4")	2540 mm (8'4")	2540 mm (8'4")
Width with Blade (wide axles)	2750 mm (9'0")	2750 mm (9'0")	2750 mm (9'0")
10 Width with Outriggers Fully Down	3650 mm (12'0")	3650 mm (12'0")	3650 mm (12'0")
Enclosure Height (doors)	2500 mm (8'2")	2500 mm (8'2")	2500 mm (8'2")
11 Upperframe Width	2540 mm (8'4")	2540 mm (8'4")	2540 mm (8'4")
Roading Position			
12 Steering Wheel to Linkage in Roading Position	3260 mm (10'8")	3250 mm (10'8")	—
13 Height in Roading Position	3970 mm (13'0")	3990 mm (13'1")	—





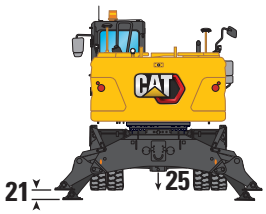
M319 Wheel Excavator Specifications

Undercarriage Dimensions

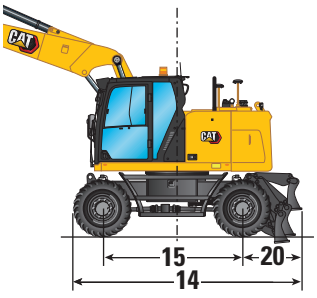
All Dimensions are approximate.

Undercarriage	Rear Blade	Rear Blade/ Front Outrigger	Rear Outrigger/ Front Blade	Rear Outrigger/ Front Outrigger
14 Overall Undercarriage Length	4440 mm (14'7")	5050 mm (16'7")	5050 mm (16'7")	4955 mm (16'3")
15 Wheel Base	2700 mm (8'10")	2700 mm (8'10")	2700 mm (8'10")	2700 mm (8'10")
16 Swing Bearing Center to Rear Axle	1250 mm (4'1")	1250 mm (4'1")	1250 mm (4'1")	1250 mm (4'1")
17 Swing Bearing Center to Front Axle	1450 mm (4'9")	1450 mm (4'9")	1450 mm (4'9")	1450 mm (4'9")
18 Rear Axle to Rear Outrigger (mid)	—	—	875 mm (2'10")	875 mm (2'10")
19 Front Axle to Front Outrigger (mid)	—	875 mm (2'10")	—	875 mm (2'10")
20 Rear Axle to Parallel Blade (end)	1200 mm (3'11")	1200 mm (3'11")	—	—
Front Axle to Parallel Blade (end)	—	—	1245 mm (4'1")	—
21 Maximum Outrigger Depth	—	120 mm (0'5")	120 mm (0'5")	120 mm (0'5")
22 Blade Width (standard axles)	2540 mm (8'4")	2540 mm (8'4")	2540 mm (8'4")	—
Blade Width (wide axles)	2750 mm (9'0")	2750 mm (9'0")	2750 mm (9'0")	—
Maximum Blade Depth Below Ground	130 mm (0'5")	130 mm (0'5")	130 mm (0'5")	—
Ground Clearance				
Lowest Step Clearance	420 mm (1'5")	420 mm (1'5")	420 mm (1'5")	420 mm (1'5")
23 Outrigger Clearance	325 mm (1'1")	325 mm (1'1")	325 mm (1'1")	325 mm (1'1")
24 Blade Clearance	495 mm (1'7")	495 mm (1'7")	495 mm (1'7")	495 mm (1'7")
25 Axle Clearance	360 mm (1'2")	360 mm (1'2")	360 mm (1'2")	360 mm (1'2")

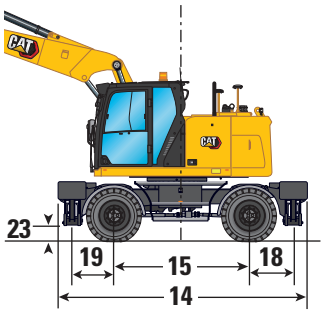
*Maximum tire clearance with outrigger fully down



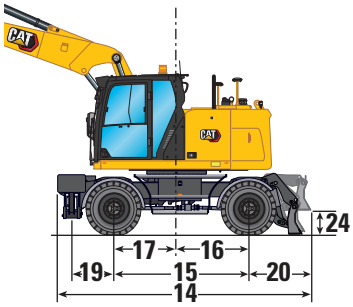
Undercarriage with dozer only



Undercarriage with 2 sets of outriggers

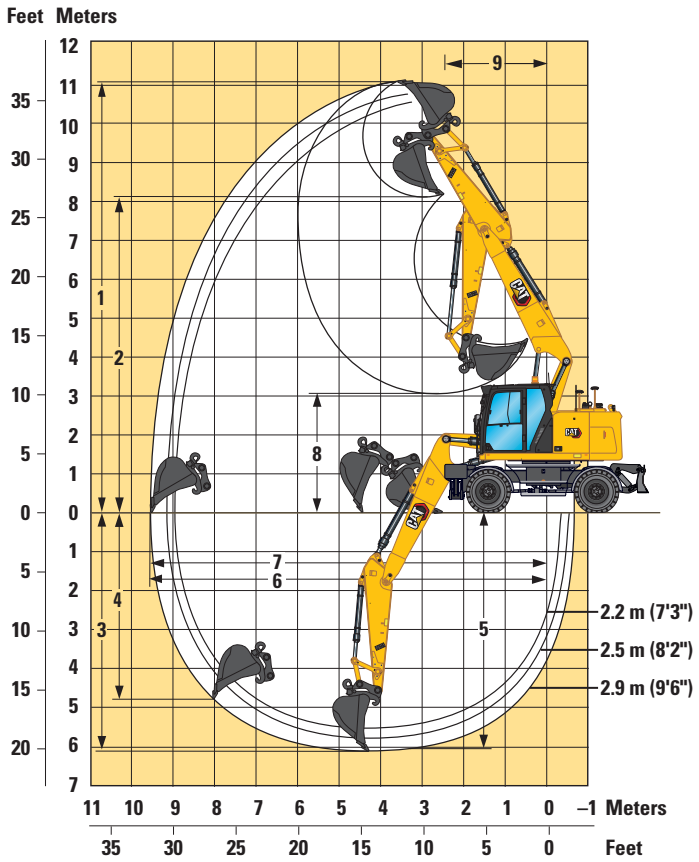


Undercarriage with 1 set of outriggers and dozer



Working Ranges

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



Boom Option	Variable Adjustable Boom 5.2 m (17'1")		
Stick Options	**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
1 Maximum Cutting Height	10 520 mm (34'6")	10 740 mm (35'3")	11 110 mm (36'5")
2 Maximum Loading Height	7580 mm (24'10")	7790 mm (25'7")	8160 mm (26'9")
3 Maximum Digging Depth	5460 mm (17'11")	5750 mm (18'10")	6140 mm (20'2")
4 Maximum Vertical Wall Digging Depth	4230 mm (13'11")	4450 mm (14'7")	4830 mm (15'10")
5 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	5350 mm (17'7")	5640 mm (18'6")	6050 mm (19'10")
6 Maximum Reach	9140 mm (30'0")	9390 mm (30'10")	9610 mm (31'6")
7 Maximum Reach at Ground Line	8960 mm (29'5")	9210 mm (30'3")	9610 mm (31'6")
8 Minimum Loading Height	3780 mm (12'5")	3430 mm (11'3")	3100 mm (10'2")
9 Minimum Front Swing Radius	2150 mm (7'1")	2180 mm (7'2")	2400 mm (7'10")
Bucket Forces (ISO)	119 kN (26,752 lbf)	119 kN (26,752 lbf)	119 kN (26,752 lbf)
Stick Forces (ISO)	81 kN (18,210 lbf)	75 kN (16,861 lbf)	67 kN (15,062 lbf)
Bucket Type	GD	GD	GD
Bucket Capacity	0.91 m^3 (1.19 yd^3)	0.91 m^3 (1.19 yd^3)	0.91 m^3 (1.19 yd^3)
Bucket Tip Radius (Pin-On)	1378 mm (4'6")	1378 mm (4'6")	1378 mm (4'6")
Bucket Tip Radius (QC)	1484 mm (4'10")	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 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").

M319 Wheel Excavator Specifications

Lift Capacities – Variable Adjustable Boom 2.2 m Stick

All values are in kg, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 5000 kg, heavy lift function on.

Load at maximum reach (sticknose/bucket pin)
Load over front
Load over rear
Load over side
Load point height

		3000 mm			4500 mm			6000 mm			7500 mm						
	Undercarriage configuration																mm
9000 mm	Free on Wheels													*9450	*9450	*9450	1630
	Front Empty – Rear Dozer – Stabilized													*9450	*9450	*9450	
	Front Dozer – Rear Stabilizer – Stabilized													*9450	*9450	*9450	
	Front Stabilizer – Rear Stabilizer – Stabilized													*9450	*9450	*9450	
	Free on Wheels – Wide Axles													*9450	*9450	*9450	
7500 mm	Free on Wheels				*5900	*5900	4700							*4450	*4450	4000	4920
	Front Empty – Rear Dozer – Stabilized				*5900	*5900	5250							*4450	*4450	*4450	
	Front Dozer – Rear Stabilizer – Stabilized				*5900	*5900	*5900							*4450	*4450	*4450	
	Front Stabilizer – Rear Stabilizer – Stabilized				*5900	*5900	*5900							*4450	*4450	*4450	
	Free on Wheels – Wide Axles				*5900	*5900	5200							*4450	*4450	4400	
6000 mm	Free on Wheels				*5850	*5850	4750	*4900	3700	2950				*3700	3350	2650	6330
	Front Empty – Rear Dozer – Stabilized				*5850	*5850	5300	4900	*4900	3300				*3700	*3700	2950	
	Front Dozer – Rear Stabilizer – Stabilized				*5850	*5850	*5850	*4900	*4900	*4900				*3700	*3700	*3700	
	Front Stabilizer – Rear Stabilizer – Stabilized				*5850	*5850	*5850	*4900	*4900	*4900				*3700	*3700	*3700	
	Free on Wheels – Wide Axles				*5850	*5850	5200	*4900	3750	3250				*3700	3350	2950	
4500 mm	Free on Wheels				*6450	5750	4500	4850	3650	2900				*3450	2700	2150	7140
	Front Empty – Rear Dozer – Stabilized				*6450	*6450	5050	4850	*5000	3250				*3450	*3450	2400	
	Front Dozer – Rear Stabilizer – Stabilized				*6450	*6450	*6450	*5000	*5000	4900				*3450	*3450	*3450	
	Front Stabilizer – Rear Stabilizer – Stabilized				*6450	*6450	*6450	*5000	*5000	*5000				*3450	*3450	*3450	
	Free on Wheels – Wide Axles				*6450	5800	5000	4900	3650	3200				*3450	2750	2350	
3000 mm	Free on Wheels				7250	5350	4150	4700	3500	2750	3350	2450	1950	3300	2450	1900	7560
	Front Empty – Rear Dozer – Stabilized				7250	*7400	4650	4650	*5300	3050	3300	*4050	2150	3250	*3350	2150	
	Front Dozer – Rear Stabilizer – Stabilized				*7400	*7400	7350	*5300	*5300	4750	*4050	*4050	3350	*3350	*3350	3300	
	Front Stabilizer – Rear Stabilizer – Stabilized				*7400	*7400	*7400	*5300	*5300	*5300	*4050	*4050	4050	*3350	*3350	*3350	
	Free on Wheels – Wide Axles				7300	5400	4600	4700	3500	3050	3350	2500	2150	3300	2450	2100	
1500 mm	Free on Wheels				6900	5000	3800	4550	3350	2600	3300	2400	1900	3200	2350	1800	7660
	Front Empty – Rear Dozer – Stabilized				6850	*8600	4300	4500	*5750	2900	3250	*4450	2100	3150	*3450	2050	
	Front Dozer – Rear Stabilizer – Stabilized				*8600	*8600	6950	*5750	*5750	4550	*4450	*4450	3300	*3450	*3450	3200	
	Front Stabilizer – Rear Stabilizer – Stabilized				*8600	*8600	8600	*5750	*5750	5500	*4450	*4450	3950	*3450	*3450	*3450	
	Free on Wheels – Wide Axles				6950	5000	4250	4550	3350	2900	3300	2400	2100	3200	2350	2050	
0 mm	Free on Wheels				6700	4850	3650	4400	3250	2500				3300	2400	1850	7440
	Front Empty – Rear Dozer – Stabilized				6700	*8400	4150	4400	*6150	2800				3250	*3750	2100	
	Front Dozer – Rear Stabilizer – Stabilized				*8400	*8400	6800	*6150	*6150	4450				*3750	*3750	3300	
	Front Stabilizer – Rear Stabilizer – Stabilized				*8400	*8400	8400	*6150	*6150	5400				*3750	*3750	*3750	
	Free on Wheels – Wide Axles				6750	4850	4100	4450	3250	2800				3300	2400	2100	
–1500 mm	Free on Wheels	*6700	*6700	6650	6700	4800	3650	4400	3200	2450				3650	2700	2100	6890
	Front Empty – Rear Dozer – Stabilized	*6700	*6700	*6700	6650	*7350	4150	4350	*5400	2800				3650	*4050	2350	
	Front Dozer – Rear Stabilizer – Stabilized	*6700	*6700	*6700	*7350	*7350	6750	*5400	*5400	4450				*4050	*4050	3700	
	Front Stabilizer – Rear Stabilizer – Stabilized	*6700	*6700	*6700	*7350	*7350	*7350	*5400	*5400	5400				*4050	*4050	*4050	
	Free on Wheels – Wide Axles	*6700	*6700	*6700	6750	4850	4100	4400	3200	2750				3700	2700	2350	

*Limited by hydraulic 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.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Lift Capacities – Variable Adjustable Boom 7'3" Stick

All values are in lb, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 11,030 lb, heavy lift function on.

Load at maximum reach (sticknose/bucket pin)
Load over front
Load over rear
Load over side
Load point height

	Undercarriage configuration	10 ft			15 ft			20 ft			25 ft						ft
	Free on Wheels				*12,100	*12,100	10,100							*10,100	*10,100	9,300	
	Front Empty – Rear Dozer – Stabilized				*12,100	*12,100	11,200							*10,100	*10,100	*10,100	
25 ft	Front Dozer – Rear Stabilizer – Stabilized				*12,100	*12,100	*12,100							*10,100	*10,100	*10,100	15.65
	Front Stabilizer – Rear Stabilizer – Stabilized				*12,100	*12,100	*12,100							*10,100	*10,100	*10,100	
	Free on Wheels – Wide Axles				*12,100	*12,100	11,100							*10,100	*10,100	*10,100	
	Free on Wheels				*12,900	*12,900	10,200	10,500	8,000	6,300				*8,200	7,500	6,000	
	Front Empty – Rear Dozer – Stabilized				*12,900	*12,900	11,400	10,500	*10,600	7,000				*8,200	*8,200	6,700	
20 ft	Front Dozer – Rear Stabilizer – Stabilized				*12,900	*12,900	*12,900	*10,600	*10,600	*10,600				*8,200	*8,200	*8,200	20.54
	Front Stabilizer – Rear Stabilizer – Stabilized				*12,900	*12,900	*12,900	*10,600	*10,600	*10,600				*8,200	*8,200	*8,200	
	Free on Wheels – Wide Axles				*12,900	*12,900	11,200	*10,600	8,000	6,900				*8,200	7,600	6,600	
	Free on Wheels				*14,000	12,400	9,700	10,500	7,900	6,200				*7,600	6,000	4,700	
	Front Empty – Rear Dozer – Stabilized				*14,000	*14,000	10,900	10,400	*10,800	6,900				*7,600	*7,600	5,300	
15 ft	Front Dozer – Rear Stabilizer – Stabilized				*14,000	*14,000	*14,000	*10,800	*10,800	10,600				*7,600	*7,600	*7,600	23.33
	Front Stabilizer – Rear Stabilizer – Stabilized				*14,000	*14,000	*14,000	*10,800	*10,800	*10,800				*7,600	*7,600	*7,600	
	Free on Wheels – Wide Axles				*14,000	12,500	10,800	10,500	7,900	6,900				*7,600	6,100	5,300	
	Free on Wheels				15,700	11,600	8,900	10,100	7,500	5,900				7,300	5,400	4,200	
	Front Empty – Rear Dozer – Stabilized				15,600	*15,900	10,100	10,100	*11,400	6,600				7,200	*7,400	4,700	
10 ft	Front Dozer – Rear Stabilizer – Stabilized				*15,900	*15,900	15,800	*11,400	*11,400	10,200				*7,400	*7,400	7,300	24.77
	Front Stabilizer – Rear Stabilizer – Stabilized				*15,900	*15,900	*15,900	*11,400	*11,400	*11,400				*7,400	*7,400	*7,400	
	Free on Wheels – Wide Axles				15,800	11,600	9,900	10,200	7,600	6,600				7,300	5,400	4,700	
	Free on Wheels				14,800	10,800	8,200	9,800	7,200	5,600	7,100	5,200	4,000	7,000	5,200	4,000	
	Front Empty – Rear Dozer – Stabilized				14,800	*18,600	9,300	9,700	*12,400	6,300	7,000	*8,800	4,600	7,000	*7,600	4,500	
5 ft	Front Dozer – Rear Stabilizer – Stabilized				*18,600	*18,600	15,000	*12,400	*12,400	9,900	*8,800	*8,800	7,100	*7,600	*7,600	7,100	25.13
	Front Stabilizer – Rear Stabilizer – Stabilized				*18,600	*18,600	18,500	*12,400	*12,400	11,900	*8,800	*8,800	8,600	*7,600	*7,600	*7,600	
	Free on Wheels – Wide Axles				14,900	10,800	9,200	9,800	7,200	6,200	7,100	5,200	4,500	7,100	5,200	4,500	
	Free on Wheels				14,400	10,400	7,900	9,500	7,000	5,400				7,200	5,300	4,100	
	Front Empty – Rear Dozer – Stabilized				14,400	*18,200	9,000	9,500	*13,300	6,100				7,200	*8,300	4,700	
0 ft	Front Dozer – Rear Stabilizer – Stabilized				*18,200	*18,200	14,600	*13,300	*13,300	9,600				*8,300	*8,300	7,300	24.41
	Front Stabilizer – Rear Stabilizer – Stabilized				*18,200	*18,200	18,000	*13,300	*13,300	11,600				*8,300	*8,300	*8,300	
	Free on Wheels – Wide Axles				14,500	10,500	8,800	9,600	7,000	6,000				7,300	5,300	4,600	
	Free on Wheels	*15,400	*15,400	14,300	14,400	10,400	7,800	9,500	6,900	5,300				8,100	6,000	4,600	
	Front Empty – Rear Dozer – Stabilized	*15,400	*15,400	*15,400	14,300	*16,000	8,900	9,400	*11,600	6,000				8,100	*8,900	5,200	
–5 ft	Front Dozer – Rear Stabilizer – Stabilized	*15,400	*15,400	*15,400	*16,000	*16,000	14,600	*11,600	*11,600	9,600				*8,900	*8,900	8,200	22.57
	Front Stabilizer – Rear Stabilizer – Stabilized	*15,400	*15,400	*15,400	*16,000	*16,000	*16,000	*11,600	*11,600	11,600				*8,900	*8,900	*8,900	
	Free on Wheels – Wide Axles	*15,400	*15,400	*15,400	14,500	10,400	8,800	9,500	7,000	6,000				8,200	6,000	5,100	

*Limited by hydraulic 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.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M319 Wheel Excavator Specifications

Lift Capacities – Variable Adjustable Boom 2.5 m Stick

All values are in kg, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 5000 kg, heavy lift function on.

Load at maximum reach (sticknose/bucket pin)
Load over front
Load over rear
Load over side
Load point height

	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm						mm
9000 mm	Free on Wheels													*5750	*5750	*5750	2650
	Front Empty – Rear Dozer – Stabilized													*5750	*5750	*5750	
	Front Dozer – Rear Stabilizer – Stabilized													*5750	*5750	*5750	
	Front Stabilizer – Rear Stabilizer – Stabilized													*5750	*5750	*5750	
	Free on Wheels – Wide Axles													*5750	*5750	*5750	
7500 mm	Free on Wheels				*5150	*5150	4800							*3600	*3600	3600	5310
	Front Empty – Rear Dozer – Stabilized				*5150	*5150	*5150							*3600	*3600	*3600	
	Front Dozer – Rear Stabilizer – Stabilized				*5150	*5150	*5150							*3600	*3600	*3600	
	Front Stabilizer – Rear Stabilizer – Stabilized				*5150	*5150	*5150							*3600	*3600	*3600	
	Free on Wheels – Wide Axles				*5150	*5150	*5150							*3600	*3600	*3600	
6000 mm	Free on Wheels				*5100	*5100	4800	*4750	3800	3000				*3100	*3100	2500	6630
	Front Empty – Rear Dozer – Stabilized				*5100	*5100	*5100	*4750	*4750	3350				*3100	*3100	2800	
	Front Dozer – Rear Stabilizer – Stabilized				*5100	*5100	*5100	*4750	*4750	*4750				*3100	*3100	*3100	
	Front Stabilizer – Rear Stabilizer – Stabilized				*5100	*5100	*5100	*4750	*4750	*4750				*3100	*3100	*3100	
	Free on Wheels – Wide Axles				*5100	*5100	*5100	*4750	3800	3300				*3100	*3100	2750	
4500 mm	Free on Wheels				*6150	5850	4600	*4850	3700	2950				*2950	2600	2050	7400
	Front Empty – Rear Dozer – Stabilized				*6150	*6150	5100	*4850	*4850	3250				*2950	*2950	2300	
	Front Dozer – Rear Stabilizer – Stabilized				*6150	*6150	*6150	*4850	*4850	*4850				*2950	*2950	*2950	
	Front Stabilizer – Rear Stabilizer – Stabilized				*6150	*6150	*6150	*4850	*4850	*4850				*2950	*2950	*2950	
	Free on Wheels – Wide Axles				*6150	5850	5050	*4850	3700	3250				*2950	2600	2250	
3000 mm	Free on Wheels				*7150	5450	4200	4750	3550	2750	3350	2500	1950	*2900	2300	1800	7810
	Front Empty – Rear Dozer – Stabilized				*7150	*7150	4750	4700	*5150	3100	3350	*4150	2200	*2900	*2900	2050	
	Front Dozer – Rear Stabilizer – Stabilized				*7150	*7150	*7150	*5150	*5150	4750	*4150	*4150	3400	*2900	*2900	*2900	
	Front Stabilizer – Rear Stabilizer – Stabilized				*7150	*7150	*7150	*5150	*5150	*5150	*4150	*4150	4050	*2900	*2900	*2900	
	Free on Wheels – Wide Axles				*7150	5450	4650	4750	3550	3050	3400	2500	2150	*2900	2350	2000	
1500 mm	Free on Wheels				6950	5050	3850	4550	3350	2600	3300	2400	1900	3050	2250	1750	7900
	Front Empty – Rear Dozer – Stabilized				6900	*8550	4350	4550	*5650	2950	3250	*4350	2100	3000	*3050	1950	
	Front Dozer – Rear Stabilizer – Stabilized				*8550	*8550	7000	*5650	*5650	4600	*4350	*4350	3300	*3050	*3050	*3050	
	Front Stabilizer – Rear Stabilizer – Stabilized				*8550	*8550	*8550	*5650	*5650	5550	*4350	*4350	4000	*3050	*3050	*3050	
	Free on Wheels – Wide Axles				7000	5050	4300	4600	3350	2900	3300	2450	2100	*3050	2250	1950	
0 mm	Free on Wheels				6750	4850	3650	4400	3250	2500	3250	2350	1850	3100	2300	1750	7700
	Front Empty – Rear Dozer – Stabilized				6700	*8500	4150	4400	*6200	2800	3200	*4600	2050	3100	*3350	2000	
	Front Dozer – Rear Stabilizer – Stabilized				*8500	*8500	6800	*6200	*6200	4450	*4600	*4600	3250	*3350	*3350	3150	
	Front Stabilizer – Rear Stabilizer – Stabilized				*8500	*8500	8400	*6200	*6200	5400	*4600	*4600	3950	*3350	*3350	*3350	
	Free on Wheels – Wide Axles				6750	4850	4100	4450	3250	2800	3250	2400	2050	3150	2300	2000	
–1500 mm	Free on Wheels	*6950	*6950	6600	6700	4800	3600	4400	3200	2450				3450	2550	1950	7160
	Front Empty – Rear Dozer – Stabilized	*6950	*6950	*6950	6650	*7650	4150	4350	*5600	2800				3450	*3900	2200	
	Front Dozer – Rear Stabilizer – Stabilized	*6950	*6950	*6950	*7650	*7650	6750	*5600	*5600	4400				*3900	*3900	3500	
	Front Stabilizer – Rear Stabilizer – Stabilized	*6950	*6950	*6950	*7650	*7650	*7650	*5600	*5600	5350				*3900	*3900	*3900	
	Free on Wheels – Wide Axles	*6950	*6950	*6950	6700	4800	4050	4400	3200	2750				3500	2550	2200	
–3000 mm	Free on Wheels				*5850	4900	3700										
	Front Empty – Rear Dozer – Stabilized				*5850	*5850	4200										
	Front Dozer – Rear Stabilizer – Stabilized				*5850	*5850	*5850										
	Front Stabilizer – Rear Stabilizer – Stabilized				*5850	*5850	*5850										
	Free on Wheels – Wide Axles				*5850	4900	4150										

*Limited by hydraulic 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.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Lift Capacities – Variable Adjustable Boom 8'2" Stick

All values are in lb, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 11,030 lb, heavy lift function on.

Load at maximum reach (sticknose/bucket pin)
Load over front
Load over rear
Load over side
Load point height

	Undercarriage configuration	10 ft			15 ft			20 ft			25 ft						ft
30 ft	Free on Wheels													*14,300	*14,300	*14,300	
	Front Empty – Rear Dozer – Stabilized													*14,300	*14,300	*14,300	
	Front Dozer – Rear Stabilizer – Stabilized													*14,300	*14,300	*14,300	7.02
	Front Stabilizer – Rear Stabilizer – Stabilized													*14,300	*14,300	*14,300	
	Free on Wheels – Wide Axles													*14,300	*14,300	*14,300	
25 ft	Free on Wheels				*11,100	*11,100	10,300							*8,100	*8,100	*8,100	
	Front Empty – Rear Dozer – Stabilized				*11,100	*11,100	*11,100							*8,100	*8,100	*8,100	
	Front Dozer – Rear Stabilizer – Stabilized				*11,100	*11,100	*11,100							*8,100	*8,100	*8,100	16.93
	Front Stabilizer – Rear Stabilizer – Stabilized				*11,100	*11,100	*11,100							*8,100	*8,100	*8,100	
	Free on Wheels – Wide Axles				*11,100	*11,100	*11,100							*8,100	*8,100	*8,100	
20 ft	Free on Wheels				*11,300	*11,300	10,400	*10,200	8,100	6,400				*6,900	*6,900	5,600	
	Front Empty – Rear Dozer – Stabilized				*11,300	*11,300	*11,300	*10,200	*10,200	7,200				*6,900	*6,900	6,200	
	Front Dozer – Rear Stabilizer – Stabilized				*11,300	*11,300	*11,300	*10,200	*10,200	*10,200				*6,900	*6,900	*6,900	21.52
	Front Stabilizer – Rear Stabilizer – Stabilized				*11,300	*11,300	*11,300	*10,200	*10,200	*10,200				*6,900	*6,900	*6,900	
	Free on Wheels – Wide Axles				*11,300	*11,300	*11,300	*10,200	8,100	7,100				*6,900	*6,900	6,200	
15 ft	Free on Wheels				*13,300	12,600	9,900	10,500	8,000	6,300				*6,500	5,700	4,500	
	Front Empty – Rear Dozer – Stabilized				*13,300	*13,300	11,000	10,500	*10,600	7,000				*6,500	*6,500	5,100	
	Front Dozer – Rear Stabilizer – Stabilized				*13,300	*13,300	*13,300	*10,600	*10,600	*10,600				*6,500	*6,500	*6,500	24.21
	Front Stabilizer – Rear Stabilizer – Stabilized				*13,300	*13,300	*13,300	*10,600	*10,600	*10,600				*6,500	*6,500	*6,500	
	Free on Wheels – Wide Axles				*13,300	12,600	10,900	*10,600	8,000	6,900				*6,500	5,800	5,000	
10 ft	Free on Wheels				*15,400	11,700	9,100	10,200	7,600	6,000	7,200	5,300	4,200	*6,400	5,100	4,000	
	Front Empty – Rear Dozer – Stabilized				*15,400	*15,400	10,200	10,100	*11,200	6,700	7,200	*9,000	4,700	*6,400	*6,400	4,500	
	Front Dozer – Rear Stabilizer – Stabilized				*15,400	*15,400	*15,400	*11,200	*11,200	10,300	*9,000	*9,000	7,300	*6,400	*6,400	*6,400	25.59
	Front Stabilizer – Rear Stabilizer – Stabilized				*15,400	*15,400	*15,400	*11,200	*11,200	*11,200	*9,000	*9,000	8,700	*6,400	*6,400	*6,400	
	Free on Wheels – Wide Axles				*15,400	11,800	10,100	10,300	7,600	6,600	7,300	5,400	4,600	*6,400	5,100	4,500	
5 ft	Free on Wheels				15,000	10,900	8,300	9,800	7,200	5,600	7,100	5,200	4,000	6,700	4,900	3,800	
	Front Empty – Rear Dozer – Stabilized				14,900	*18,400	9,400	9,800	*12,200	6,300	7,000	*9,400	4,600	6,700	*6,700	4,300	
	Front Dozer – Rear Stabilizer – Stabilized				*18,400	*18,400	15,100	*12,200	*12,200	9,900	*9,400	*9,400	7,100	*6,700	*6,700	*6,700	25.92
	Front Stabilizer – Rear Stabilizer – Stabilized				*18,400	*18,400	*18,400	*12,200	*12,200	11,900	*9,400	*9,400	8,600	*6,700	*6,700	*6,700	
	Free on Wheels – Wide Axles				15,000	10,900	9,300	9,900	7,300	6,300	7,100	5,200	4,500	*6,700	4,900	4,300	
0 ft	Free on Wheels				14,500	10,500	7,900	9,500	7,000	5,400	7,000	5,100	4,000	6,900	5,000	3,900	
	Front Empty – Rear Dozer – Stabilized				14,400	*18,500	9,000	9,500	*13,300	6,100	6,900	*9,100	4,500	6,800	*7,300	4,400	
	Front Dozer – Rear Stabilizer – Stabilized				*18,500	*18,500	14,600	*13,300	*13,300	9,600	*9,100	*9,100	7,000	*7,300	*7,300	6,900	25.26
	Front Stabilizer – Rear Stabilizer – Stabilized				*18,500	*18,500	18,100	*13,300	*13,300	11,700	*9,100	*9,100	8,500	*7,300	*7,300	*7,300	
	Free on Wheels – Wide Axles				14,600	10,500	8,900	9,600	7,000	6,000	7,000	5,100	4,400	6,900	5,100	4,400	
–5 ft	Free on Wheels	*15,900	*15,900	14,200	14,400	10,400	7,800	9,400	6,900	5,300				7,600	5,600	4,300	
	Front Empty – Rear Dozer – Stabilized	*15,900	*15,900	*15,900	14,300	*16,600	8,900	9,400	*12,100	6,000				7,600	*8,600	4,900	
	Front Dozer – Rear Stabilizer – Stabilized	*15,900	*15,900	*15,900	*16,600	*16,600	14,500	*12,100	*12,100	9,500				*8,600	*8,600	7,700	23.46
	Front Stabilizer – Rear Stabilizer – Stabilized	*15,900	*15,900	*15,900	*16,600	*16,600	*16,600	*12,100	*12,100	11,600				*8,600	*8,600	*8,600	
	Free on Wheels – Wide Axles	*15,900	*15,900	*15,900	14,500	10,400	8,800	9,500	6,900	5,900				7,700	5,600	4,800	
–10 ft	Free on Wheels				*12,500	10,500	8,000										
	Front Empty – Rear Dozer – Stabilized				*12,500	*12,500	9,100										
	Front Dozer – Rear Stabilizer – Stabilized				*12,500	*12,500	*12,500										
	Front Stabilizer – Rear Stabilizer – Stabilized				*12,500	*12,500	*12,500										
	Free on Wheels – Wide Axles				*12,500	10,600	8,900										

*Limited by hydraulic 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.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M319 Wheel Excavator Specifications

Lift Capacities – Variable Adjustable Boom 2.9 m Stick

All values are in kg, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 5000 kg, heavy lift function on.

Load at maximum reach (sticknose/bucket pin) Load over front Load over rear Load over side Load point height

	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm						mm
9000 mm	Free on Wheels													*4100	*4100	*4100	3700
	Front Empty – Rear Dozer – Stabilized													*4100	*4100	*4100	
	Front Dozer – Rear Stabilizer – Stabilized													*4100	*4100	*4100	
	Front Stabilizer – Rear Stabilizer – Stabilized													*4100	*4100	*4100	
	Free on Wheels – Wide Axles													*4100	*4100	*4100	
7500 mm	Free on Wheels				*4500	*4500	*4500							*2950	*2950	*2950	5880
	Front Empty – Rear Dozer – Stabilized				*4500	*4500	*4500							*2950	*2950	*2950	
	Front Dozer – Rear Stabilizer – Stabilized				*4500	*4500	*4500							*2950	*2950	*2950	
	Front Stabilizer – Rear Stabilizer – Stabilized				*4500	*4500	*4500							*2950	*2950	*2950	
	Free on Wheels – Wide Axles				*4500	*4500	*4500							*2950	*2950	*2950	
6000 mm	Free on Wheels				*4250	*4250	*4250	*4350	3850	3050				*2600	*2600	2250	7090
	Front Empty – Rear Dozer – Stabilized				*4250	*4250	*4250	*4350	*4350	3400				*2600	*2600	2500	
	Front Dozer – Rear Stabilizer – Stabilized				*4250	*4250	*4250	*4350	*4350	*4350				*2600	*2600	*2600	
	Front Stabilizer – Rear Stabilizer – Stabilized				*4250	*4250	*4250	*4350	*4350	*4350				*2600	*2600	*2600	
	Free on Wheels – Wide Axles				*4250	*4250	*4250	*4350	3850	3350				*2600	*2600	2450	
4500 mm	Free on Wheels				*4850	*4850	4650	*4700	3750	2950	3450	2550	2000	*2450	2350	1850	7820
	Front Empty – Rear Dozer – Stabilized				*4850	*4850	*4850	*4700	*4700	3300	3400	*3650	2250	*2450	*2450	2100	
	Front Dozer – Rear Stabilizer – Stabilized				*4850	*4850	*4850	*4700	*4700	*4700	*3650	*3650	3450	*2450	*2450	*2450	
	Front Stabilizer – Rear Stabilizer – Stabilized				*4850	*4850	*4850	*4700	*4700	*4700	*3650	*3650	*3650	*2450	*2450	*2450	
	Free on Wheels – Wide Axles				*4850	*4850	*4850	*4700	3750	3250	3450	2550	2250	*2450	2400	2050	
3000 mm	Free on Wheels				*6800	5550	4300	4750	3550	2800	3350	2500	1950	*2450	2150	1650	8200
	Front Empty – Rear Dozer – Stabilized				*6800	*6800	4800	4750	*5000	3150	3350	*4000	2200	*2450	*2450	1900	
	Front Dozer – Rear Stabilizer – Stabilized				*6800	*6800	*6800	*5000	*5000	4800	*4000	*4000	3400	*2450	*2450	*2450	
	Front Stabilizer – Rear Stabilizer – Stabilized				*6800	*6800	*6800	*5000	*5000	*5000	*4000	*4000	*4000	*2450	*2450	*2450	
	Free on Wheels – Wide Axles				*6800	5550	4750	4800	3550	3100	3400	2500	2200	*2450	2150	1850	
1500 mm	Free on Wheels				7000	5100	3900	4550	3350	2600	3300	2400	1900	*2550	2050	1600	8290
	Front Empty – Rear Dozer – Stabilized				6950	*8100	4400	4550	*5450	2950	3250	*4200	2100	*2550	*2550	1800	
	Front Dozer – Rear Stabilizer – Stabilized				*8100	*8100	7100	*5450	*5450	4600	*4200	*4200	3300	*2550	*2550	*2550	
	Front Stabilizer – Rear Stabilizer – Stabilized				*8100	*8100	*8100	*5450	*5450	*5450	*4200	*4200	4000	*2550	*2550	*2550	
	Free on Wheels – Wide Axles				7050	5100	4350	4600	3400	2900	3300	2400	2100	*2550	2050	1800	
0 mm	Free on Wheels				6750	4850	3650	4400	3250	2500	3200	2350	1800	*2750	2100	1600	8090
	Front Empty – Rear Dozer – Stabilized				6700	*8550	4150	4400	*6000	2800	3200	*4450	2050	*2750	*2750	1850	
	Front Dozer – Rear Stabilizer – Stabilized				*8550	*8550	6800	*6000	*6000	4450	*4450	*4450	3250	*2750	*2750	*2750	
	Front Stabilizer – Rear Stabilizer – Stabilized				*8550	*8550	8400	*6000	*6000	5400	*4450	*4450	3900	*2750	*2750	*2750	
	Free on Wheels – Wide Axles				6750	4850	4100	4450	3250	2750	3250	2350	2050	*2750	2100	1800	
–1500 mm	Free on Wheels	*6500	*6500	*6500	6650	4750	3600	4350	3150	2400	3200	2350	1800	3150	2300	1800	7590
	Front Empty – Rear Dozer – Stabilized	*6500	*6500	*6500	6600	*7950	4100	4300	*5800	2750	3200	*4000	2050	3150	*3150	2000	
	Front Dozer – Rear Stabilizer – Stabilized	*6500	*6500	*6500	*7950	*7950	6700	*5800	*5800	4400	*4000	*4000	3250	*3150	*3150	*3150	
	Front Stabilizer – Rear Stabilizer – Stabilized	*6500	*6500	*6500	*7950	*7950	*7950	*5800	*5800	5350	*4000	*4000	3900	*3150	*3150	*3150	
	Free on Wheels – Wide Axles	*6500	*6500	*6500	6700	4800	4050	4350	3150	2700	3200	2350	2000	*3150	2300	2000	
–3000 mm	Free on Wheels				*6400	4800	3600	4400	3200	2450							
	Front Empty – Rear Dozer – Stabilized				*6400	*6400	4150	4350	*4550	2800							
	Front Dozer – Rear Stabilizer – Stabilized				*6400	*6400	*6400	*4550	*4550	4450							
	Front Stabilizer – Rear Stabilizer – Stabilized				*6400	*6400	*6400	*4550	*4550	*4550							
	Free on Wheels – Wide Axles				*6400	4850	4050	4400	3200	2750							

*Limited by hydraulic 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.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Lift Capacities – Variable Adjustable Boom 9'6" Stick

All values are in lb, work tool: none, bucket cylinder and bucket linkage installed, counterweight: 11,030 lb, heavy lift function on.

Load at maximum reach (sticknose/bucket pin)
Load over front
Load over rear
Load over side
Load point height

	Undercarriage configuration	10 ft			15 ft			20 ft			25 ft						ft
30 ft	Free on Wheels													*9,600	*9,600	*9,600	
	Front Empty – Rear Dozer – Stabilized													*9,600	*9,600	*9,600	
	Front Dozer – Rear Stabilizer – Stabilized													*9,600	*9,600	*9,600	11.09
	Front Stabilizer – Rear Stabilizer – Stabilized													*9,600	*9,600	*9,600	
	Free on Wheels – Wide Axles													*9,600	*9,600	*9,600	
25 ft	Free on Wheels				*9,900	*9,900	*9,900							*6,600	*6,600	*6,600	
	Front Empty – Rear Dozer – Stabilized				*9,900	*9,900	*9,900							*6,600	*6,600	*6,600	
	Front Dozer – Rear Stabilizer – Stabilized				*9,900	*9,900	*9,900							*6,600	*6,600	*6,600	18.86
	Front Stabilizer – Rear Stabilizer – Stabilized				*9,900	*9,900	*9,900							*6,600	*6,600	*6,600	
	Free on Wheels – Wide Axles				*9,900	*9,900	*9,900							*6,600	*6,600	*6,600	
20 ft	Free on Wheels				*9,400	*9,400	*9,400	*9,400	8,200	6,600				*5,700	*5,700	5,000	
	Front Empty – Rear Dozer – Stabilized				*9,400	*9,400	*9,400	*9,400	*9,400	7,300				*5,700	*5,700	5,600	
	Front Dozer – Rear Stabilizer – Stabilized				*9,400	*9,400	*9,400	*9,400	*9,400	*9,400				*5,700	*5,700	*5,700	23.06
	Front Stabilizer – Rear Stabilizer – Stabilized				*9,400	*9,400	*9,400	*9,400	*9,400	*9,400				*5,700	*5,700	*5,700	
	Free on Wheels – Wide Axles				*9,400	*9,400	*9,400	*9,400	8,200	7,200				*5,700	*5,700	5,500	
15 ft	Free on Wheels				*10,500	*10,500	10,100	*10,200	8,000	6,400	*7,100	5,500	4,300	*5,400	5,300	4,100	
	Front Empty – Rear Dozer – Stabilized				*10,500	*10,500	*10,500	*10,200	*10,200	7,100	*7,100	*7,100	4,800	*5,400	*5,400	4,600	
	Front Dozer – Rear Stabilizer – Stabilized				*10,500	*10,500	*10,500	*10,200	*10,200	*10,200	*7,100	*7,100	*7,100	*5,400	*5,400	*5,400	25.56
	Front Stabilizer – Rear Stabilizer – Stabilized				*10,500	*10,500	*10,500	*10,200	*10,200	*10,200	*7,100	*7,100	*7,100	*5,400	*5,400	*5,400	
	Free on Wheels – Wide Axles				*10,500	*10,500	*10,500	*10,200	8,100	7,000	*7,100	5,500	4,800	*5,400	5,300	4,600	
10 ft	Free on Wheels				*14,700	11,900	9,200	10,300	7,700	6,000	7,300	5,400	4,200	*5,400	4,700	3,700	
	Front Empty – Rear Dozer – Stabilized				*14,700	*14,700	10,400	10,200	*10,800	6,700	7,200	*8,700	4,700	*5,400	*5,400	4,200	
	Front Dozer – Rear Stabilizer – Stabilized				*14,700	*14,700	*14,700	*10,800	*10,800	10,400	*8,700	*8,700	7,300	*5,400	*5,400	*5,400	26.87
	Front Stabilizer – Rear Stabilizer – Stabilized				*14,700	*14,700	*14,700	*10,800	*10,800	*10,800	*8,700	*8,700	*8,700	*5,400	*5,400	*5,400	
	Free on Wheels – Wide Axles				*14,700	12,000	10,300	10,300	7,700	6,700	7,300	5,400	4,700	*5,400	4,800	4,100	
5 ft	Free on Wheels				15,100	11,000	8,400	9,800	7,300	5,600	7,100	5,200	4,000	*5,600	4,600	3,500	
	Front Empty – Rear Dozer – Stabilized				15,000	*17,400	9,500	9,800	*11,800	6,400	7,000	*9,100	4,600	*5,600	*5,600	4,000	
	Front Dozer – Rear Stabilizer – Stabilized				*17,400	*17,400	15,200	*11,800	*11,800	9,900	*9,100	*9,100	7,100	*5,600	*5,600	*5,600	27.20
	Front Stabilizer – Rear Stabilizer – Stabilized				*17,400	*17,400	*17,400	*11,800	*11,800	*11,800	*9,100	*9,100	8,600	*5,600	*5,600	*5,600	
	Free on Wheels – Wide Axles				15,200	11,000	9,400	9,900	7,300	6,300	7,100	5,200	4,500	*5,600	4,600	3,900	
0 ft	Free on Wheels				14,500	10,500	7,900	9,500	7,000	5,300	6,900	5,100	3,900	*6,100	4,600	3,600	
	Front Empty – Rear Dozer – Stabilized				14,400	*18,600	9,000	9,500	*12,900	6,100	6,900	*9,700	4,400	*6,100	*6,100	4,100	
	Front Dozer – Rear Stabilizer – Stabilized				*18,600	*18,600	14,600	*12,900	*12,900	9,600	*9,700	*9,700	7,000	*6,100	*6,100	*6,100	26.54
	Front Stabilizer – Rear Stabilizer – Stabilized				*18,600	*18,600	18,100	*12,900	*12,900	11,600	*9,700	*9,700	8,400	*6,100	*6,100	*6,100	
	Free on Wheels – Wide Axles				14,600	10,500	8,900	9,600	7,000	6,000	7,000	5,100	4,400	*6,100	4,700	4,000	
–5 ft	Free on Wheels	*14,800	*14,800	14,000	14,300	10,300	7,700	9,400	6,800	5,200				7,000	5,100	3,900	
	Front Empty – Rear Dozer – Stabilized	*14,800	*14,800	*14,800	14,200	*17,200	8,800	9,300	*12,500	5,900				6,900	*7,000	4,500	
	Front Dozer – Rear Stabilizer – Stabilized	*14,800	*14,800	*14,800	*17,200	*17,200	14,400	*12,500	*12,500	9,500				*7,000	*7,000	*7,000	24.87
	Front Stabilizer – Rear Stabilizer – Stabilized	*14,800	*14,800	*14,800	*17,200	*17,200	*17,200	*12,500	*12,500	11,500				*7,000	*7,000	*7,000	
	Free on Wheels – Wide Axles	*14,800	*14,800	*14,800	14,400	10,300	8,700	9,400	6,800	5,900				7,000	5,100	4,400	
–10 ft	Free on Wheels				*13,800	10,400	7,800	9,500	6,900	5,300							
	Front Empty – Rear Dozer – Stabilized				*13,800	*13,800	8,900	9,400	*9,600	6,000							
	Front Dozer – Rear Stabilizer – Stabilized				*13,800	*13,800	*13,800	*9,600	*9,600	9,600							
	Front Stabilizer – Rear Stabilizer – Stabilized				*13,800	*13,800	*13,800	*9,600	*9,600	*9,600							
	Free on Wheels – Wide Axles				*13,800	10,400	8,800	9,500	6,900	5,900							

*Limited by hydraulic 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.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M319 Wheel Excavator Specifications

Bucket Specifications and Compatibility – Europe

Contact your Cat dealer for special bucket requirements. Configurations calculated with wide axle width 2.5 m (8'2").

	Linkage	Width mm	Width in	Capacity m^3	Capacity yd^3	Weight kg	Weight lb	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	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
									Variable Adjustable Boom											
Pin-On (No Quick Coupler)									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
General Duty	316	1300	51	1.00	1.31	695	1,532	100	◇	○	●	●	◇	○	●	●	X	◇	●	●
	316	600	24	0.35	0.46	440	969	100	●	●	●	●	●	●	●	●	●	●	●	●
	316	900	36	0.62	0.81	546	1,203	100	●	●	●	●	◉	●	●	●	⊖	●	●	●
	316	1200	48	0.91	1.19	658	1,450	100	○	⊖	●	●	○	⊖	●	●	◇	○	●	●
Ditch Cleaning	316	2000	78	0.94	1.23	723	1,594	100	○	⊖	●	●	◇	○	●	●	◇	◇	●	●
Ditch Cleaning Tilt	316	2000	79	0.86	1.12	1028	2,266	100	◇	○	●	●	X	◇	●	●	X	◇	●	●
Maximum load with pin-on (payload + bucket)								kg	1800	2070	3390	4129	1706	1964	3226	3929	1548	1790	2968	3621
								lb	3,968	4,563	7,475	9,103	3,761	4,330	7,112	8,661	3,413	3,946	6,544	7,984

	Linkage	Width mm	Width in	Capacity m^3	Capacity yd^3	Weight kg	Weight lb	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	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
									Variable Adjustable Boom											
With Pin Grabber Coupler									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
General Duty	316	1300	51	1.00	1.31	695	1,532	100	X	◇	●	●	X	◇	●	●	X	X	◉	●
	316	1100	43	0.80	1.04	632	1,392	100	◇	○	●	●	◇	○	●	●	X	◇	●	●
	316	600	24	0.35	0.46	440	969	100	●	●	●	●	●	●	●	●	●	●	●	●
	316	900	36	0.62	0.81	546	1,203	100	⊖	◉	●	●	○	◉	●	●	◇	⊖	●	●
	316	1200	48	0.91	1.19	658	1,450	100	◇	○	●	●	X	◇	●	●	X	◇	●	●
Ditch Cleaning	316	2000	78	0.94	1.23	723	1,594	100	X	◇	●	●	X	◇	●	●	X	X	●	●
Ditch Cleaning Tilt	316	2000	79	0.86	1.12	1028	2,266	100	X	X	●	●	X	X	●	●	X	X	◉	●
Maximum load with coupler (payload + bucket)								kg	1469	1739	3060	3798	1375	1633	2895	3598	1217	1459	2638	3290
								lb	3,239	3,834	6,745	8,373	3,032	3,601	6,382	7,932	2,684	3,217	5,815	7,254

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- 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 7451:2007.

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)

Bucket Specifications and Compatibility – Europe *(continued)*

Contact your Cat dealer for special bucket requirements. Configurations calculated with wide axle width 2.5 m (8'2").

		Width		Capacity		Weight		Fill	Variable Adjustable Boom											
									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
	Linkage	mm	in	m^3	yd^3	kg	lb	%	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	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
With CW-30 Coupler																				
General Duty	316	600	24	0.35	0.46	439	967	100	●	●	●	●	●	●	●	●	●	●	●	●
	316	750	30	0.49	0.64	475	1,047	100	●	●	●	●	●	●	●	●	◉	●	●	●
	316	900	36	0.62	0.81	534	1,177	100	⊖	●	●	●	⊖	◉	●	●	○	⊖	●	●
	316	1100	43	0.80	1.04	593	1,307	100	○	⊖	●	●	◇	⊖	●	●	◇	○	●	●
	316	1200	48	0.90	1.18	646	1,423	100	◇	○	●	●	◇	○	●	●	X	◇	●	●
	316	1300	51	1.00	1.31	677	1,492	100	◇	○	●	●	X	◇	●	●	X	◇	●	●
Heavy Duty	316	1300	51	1.00	1.31	694	1,529	100	◇	○	●	●	X	◇	●	●	X	◇	●	●
General Duty – Leveling Edge	316	996	39.2	0.70	0.93	586	1,291	100	⊖	◉	●	●	○	⊖	●	●	◇	○	●	●
	316	1200	47	0.91	1.19	672	1,481	100	◇	○	●	●	◇	○	●	●	X	◇	●	●
	316	690	27	0.47	0.61	476	1,049	100	●	●	●	●	●	●	●	●	◉	●	●	●
	316	790	31	0.56	0.73	509	1,122	100	◉	●	●	●	◉	●	●	●	⊖	◉	●	●
Ditch Cleaning Tilt	316	1800	72	0.78	1.02	1048	2,310	100	X	◇	●	●	X	◇	●	●	X	X	●	●
	316	2000	79	0.86	1.13	1111	2,449	100	X	◇	●	●	X	X	●	●	X	X	◉	●
Maximum load with coupler (payload + bucket)								kg	1588	1858	3178	3917	1494	1752	3014	3717	1336	1578	2756	3409
								lb	3,501	4,096	7,007	8,635	3,294	3,863	6,644	8,194	2,946	3,479	6,077	7,516

									Variable Adjustable Boom											
									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
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	●	●	●	●	●	●	●	●	◉	●	●	●
	316	900	36	0.62	0.81	534	1,177	100	◉	●	●	●	⊖	◉	●	●	○	⊖	●	●
	316	1100	43	0.80	1.04	593	1,307	100	○	⊖	●	●	◇	⊖	●	●	◇	○	●	●
	316	1200	48	0.91	1.18	646	1,423	100	◇	○	●	●	◇	○	●	●	X	◇	●	●
	316	1300	51	1.00	1.31	677	1,492	100	◇	○	●	●	X	◇	●	●	X	◇	●	●
Heavy Duty	316	1200	48	0.91	1.18	663	1,461	100	◇	○	●	●	◇	○	●	●	X	◇	●	●
	316	1300	51	1.00	1.31	695	1,531	100	◇	○	●	●	X	◇	●	●	X	◇	●	●
Ditch Cleaning Tilt	316	2000	79	0.86	1.13	1092	2,407	101	X	◇	●	●	X	X	●	●	X	X	◉	●
Maximum load with coupler (payload + bucket)								kg	1596	1866	3186	3925	1502	1760	3022	3725	1344	1586	2764	3417
								lb	3,519	4,114	7,025	8,653	3,311	3,881	6,662	8,211	2,963	3,497	6,095	7,534

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- 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 7451:2007.

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(continued on next page)

M319 Wheel Excavator Specifications

Bucket Specifications and Compatibility – Europe *(continued)*

Contact your Cat dealer for special bucket requirements. Configurations calculated with wide axle width 2.5 m (8'2").

	Linkage	Width mm	Width in	Capacity m^3	Capacity yd^3	Weight kg	Weight lb	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	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
									Variable Adjustable Boom											
No Machine Coupler, TRS14 CW30									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
Grading – General Duty	316	1700	67	0.65	0.85	634	1,397	100	X	◇	●	●	X	◇	●	●	X	X	●	●
Trenching – General Duty	316	660	26	0.45	0.59	395	871	100	⊖	●	●	●	○	◉	●	●	◇	⊖	●	●
Maximum load with pin-on (payload + bucket)								kg	1078	1348	2668	3407	984	1242	2504	3207	826	1068	2246	2899
								lb	2,377	2,972	5,883	7,511	2,169	2,739	5,520	7,069	1,821	2,355	4,953	6,392
									Variable Adjustable Boom											
No Machine Coupler, TRS14 CW30S									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
Grading – General Duty	316	1600	63	0.75	0.98	595	1,311	100	X	◇	●	●	X	◇	●	●	X	X	●	●
Maximum load with pin-on (payload + bucket)								kg	1124	1394	2714	3453	1030	1288	2550	3253	872	1114	2292	2945
								lb	2,478	3,073	5,984	7,612	2,271	2,840	5,621	7,171	1,923	2,456	5,054	6,493
									Variable Adjustable Boom											
No Machine Coupler, TRS14 S60									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
Grading – General Duty	316	1500	59	0.52	0.68	511	1,127	100	○	◉	●	●	○	⊖	●	●	◇	○	●	●
	316	1500	59	0.65	0.85	535	1,179	100	◇	⊖	●	●	◇	○	●	●	X	◇	●	●
	316	1600	63	0.75	0.98	576	1,270	100	◇	○	●	●	X	◇	●	●	X	X	●	●
Trenching – General Duty	316	540	21	0.33	0.43	320	706	100	●	●	●	●	●	●	●	●	◉	●	●	●
Maximum load with pin-on (payload + bucket)								kg	1225	1495	2815	3554	1131	1389	2651	3354	973	1215	2393	3046
								lb	2,701	3,296	6,207	7,835	2,493	3,063	5,844	7,393	2,145	2,679	5,277	6,716
									Variable Adjustable Boom											
CW30, TRS14 CW30									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
Grading – General Duty	316	1700	67	0.65	0.85	634	1,397	100	X	X	●	●	X	X	●	●	X	X	●	●
Trenching – General Duty	316	660	26	0.45	0.59	395	871	100	◇	⊖	●	●	X	○	●	●	X	◇	●	●
Maximum load with pin-on (payload + bucket)								kg	852	1122	2442	3181	758	1016	2278	2981	600	842	2020	2673
								lb	1,878	2,473	5,385	7,013	1,671	2,240	5,022	6,571	1,323	1,856	4,454	5,894

Maximum Material Density:

- ● 2100 kg/m³ (3,500 lb/yd³)
- ◉ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- ○ 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 7451:2007.

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(continued on next page)

Bucket Specifications and Compatibility – Europe *(continued)*

Contact your Cat dealer for special bucket requirements. Configurations calculated with wide axle width 2.5 m (8'2").

		Width		Capacity		Weight		Fill	Variable Adjustable Boom											
									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
	Linkage	mm	in	m^3	yd^3	kg	lb	%	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	Free on wheels	Only dozer (blade) lowered	Dozer (blade) and two stabilizers (outrigger) lowered	Four stabilizers (outrigger) lowered
CW30S, TRS14 CW30S																				
Grading – General Duty	316	1600	63	0.75	0.98	595	1,311	100	X	X	●	●	X	X	●	●	X	X	●	●
Maximum load with pin-on (payload + bucket)								kg	927	1197	2517	3256	833	1091	2353	3056	675	917	2095	2748
								lb	2,044	2,639	5,550	7,178	1,836	2,406	5,187	6,736	1,488	2,022	4,620	6,059

									Variable Adjustable Boom											
									2.2 m (7'3")				2.5 m (8'2")				2.9 m (9'6")			
S60, TRS14 S60																				
Grading – General Duty	316	1600	63	0.75	0.98	576	1,270	100	X	◇	●	●	X	◇	●	●	X	X	●	●
	316	1700	67	0.80	1.05	610	1,346	100	X	◇	●	●	X	X	●	●	X	X	●	●
	316	1800	71	0.90	1.18	643	1,418	100	X	X	●	●	X	X	●	●	X	X	◉	●
Trenching – General Duty	316	540	21	0.33	0.43	540	1,190	100	⊖	●	●	●	○	●	●	●	◇	⊖	●	●
Maximum load with pin-on (payload + bucket)								kg	1084	1354	2674	3413	990	1248	2510	3213	832	1074	2252	2905
								lb	2,390	2,985	5,896	7,524	2,183	2,752	5,533	7,083	1,835	2,368	4,966	6,405

Maximum Material Density:

- ● 2100 kg/m³ (3,500 lb/yd³)
- ◉ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- ○ 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 7451:2007.

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M319 Wheel Excavator Specifications

Bucket Specifications and Compatibility – North America

Contact your Cat dealer for special bucket requirements. Configurations calculated with wide axle width 2.5 m (8'2").

	Linkage	Width mm	Width in	Capacity m^3	Capacity yd^3	Weight kg	Weight lb	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
									Variable Adjustable Boom							
Pin-On (No Quick Coupler)									2.5 m (8'2")				2.9 m (9'6")			
General Duty	316	600	24	0.35	0.46	454	1,001	100	●	●	●	●	●	●	●	●
	316	750	30	0.49	0.64	516	1,137	100	●	●	●	●	●	●	●	●
	316	900	36	0.62	0.81	580	1,278	100	◉	●	●	●	⊖	◉	●	●
	316	1050	42	0.76	1.00	629	1,386	100	○	◉	●	●	○	⊖	●	●
	316	1200	48	0.91	1.19	697	1,538	100	◇	○	●	●	◇	○	●	●
General Duty – Wide Tip	316	600	24	0.42	0.55	473	1,042	100	●	●	●	●	●	●	●	●
	316	750	30	0.58	0.76	535	1,179	100	●	●	●	●	◉	●	●	●
	316	1050	42	0.90	1.18	670	1,478	100	○	⊖	●	●	◇	○	●	●
Severe Duty	316	600	24	0.35	0.46	505	1,113	90	●	●	●	●	●	●	●	●
	316	750	30	0.49	0.64	578	1,274	90	●	●	●	●	●	●	●	●
	316	900	36	0.62	0.81	653	1,440	90	◉	●	●	●	⊖	●	●	●
	316	1050	42	0.76	1.00	708	1,561	90	⊖	◉	●	●	○	⊖	●	●
	316	1200	48	0.91	1.19	785	1,731	90	◇	⊖	●	●	◇	○	●	●
Ditch Cleaning	316	1500	60	0.93	1.22	579	1,277	100	○	⊖	●	●	◇	○	●	●
	316	1500	60	0.64	0.84	830	1,829	100	○	◉	●	●	◇	⊖	●	●
	316	1800	72	0.78	1.02	928	2,046	100	◇	○	●	●	X	◇	●	●
	316	2000	79	0.86	1.12	1043	2,299	100	X	◇	●	●	X	◇	●	●
Maximum load with pin-on (payload + bucket)								kg	1706	1964	3226	3929	1548	1790	2968	3621
								lb	3,761	4,330	7,112	8,661	3,413	3,946	6,544	7,984

	Linkage	Width mm	Width in	Capacity m^3	Capacity yd^3	Weight kg	Weight lb	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
									Variable Adjustable Boom							
With Pin Grabber Coupler									2.5 m (8'2")				2.9 m (9'6")			
General Duty	316	600	24	0.35	0.46	454	1,001	100	●	●	●	●	●	●	●	●
	316	750	30	0.49	0.64	516	1,137	100	●	●	●	●	●	●	●	●
	316	900	36	0.62	0.81	580	1,278	100	◉	●	●	●	⊖	◉	●	●
	316	1050	42	0.76	1.00	629	1,386	100	○	◉	●	●	○	⊖	●	●
	316	1200	48	0.91	1.19	697	1,538	100	◇	○	●	●	◇	○	●	●
General Duty – Wide Tip	316	600	24	0.42	0.55	473	1,042	100	●	●	●	●	●	●	●	●
	316	750	30	0.58	0.76	535	1,179	100	●	●	●	●	◉	●	●	●
	316	1050	42	0.90	1.18	670	1,478	100	○	⊖	●	●	◇	○	●	●
Severe Duty	316	600	24	0.35	0.46	505	1,113	90	●	●	●	●	●	●	●	●
	316	750	30	0.49	0.64	578	1,274	90	●	●	●	●	●	●	●	●
	316	900	36	0.62	0.81	653	1,440	90	◉	●	●	●	⊖	●	●	●
	316	1050	42	0.76	1.00	708	1,561	90	⊖	◉	●	●	○	⊖	●	●
	316	1200	48	0.91	1.19	785	1,731	90	◇	⊖	●	●	◇	○	●	●
General Duty – Pin Grabber Performance	316	600	24	0.33	0.43	436	961	100	●	●	●	●	●	●	●	●
	316	900	36	0.57	0.75	578	1,273	100	◉	●	●	●	⊖	●	●	●
Severe Duty – Pin Grabber Performance	316	1050	42	0.70	0.92	712	1,570	90	⊖	◉	●	●	○	◉	●	●
Ditch Cleaning	316	1500	60	0.93	1.22	579	1,277	100	○	⊖	●	●	◇	○	●	●
Ditch Cleaning Tilt	316	1500	60	0.64	0.84	830	1,829	100	○	◉	●	●	◇	⊖	●	●
	316	1800	72	0.78	1.02	928	2,046	100	◇	○	●	●	X	◇	●	●
	316	2000	79	0.86	1.12	1043	2,299	100	X	◇	●	●	X	◇	●	●
Maximum load with coupler (payload + bucket)								kg	1375	1633	2895	3598	1217	1459	2638	3290
								lb	3,032	3,601	6,382	7,932	2,684	3,217	5,815	7,254

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- 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 7451:2007.

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Attachments Offering Guide – Europe

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match ● 1800 kg/m³ (3,000 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade			Rear Outrigger/Front Outrigger		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
	H120 S		✓	✓		✓	✓
Demolition and Sorting Grapples	G313 GC	✓	✓	✓	✓	✓	✓
	G314	✓	✓	✓	✓	✓	✓
Mobile Scrap and Demolition Shears	S3015 Flat Top		✓			✓	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓
Orange Peel Grapples	GSH420-500	●	●	●	●	●	●
	GSH420-600	●	●	●	●	●	●
	GSH420-750	●	●	○	●	●	○
	GSH520-500	●	●	●	●	●	●
	GSH520-600	●	●	○	●	●	○
	GSH520-750	●	●		●	●	
	GSV420-400	●	●	●	●	●	●
	GSV420-500	●	●	●	●	●	●
	GSV420-600	●	●	●	●	●	●
	GSV420-750	●	●	○	●	●	○
	GSV520-400	●	●	●	●	●	●
	GSV520-500	●	●	●	●	●	●
	GSV520-600	●	●	○	●	●	○
	GSV520-750	●	●	○	●	●	○
	GSV520 GC-400	●	●	●	●	●	●
	GSV520 GC-500	●	●	●	●	●	●
	GSV520 GC-600	●	●	●	●	●	●
	GSV520 GC-750	●	●	○	●	●	○
Clamshell Grapples	CTV15-1000	●	○		●	○	
	CTV15-1200	○			○		

(continued on next page)

Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match ● 1800 kg/m³ (3,000 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)			Front Outriggers; Rear Blade		
Boom Type		**Variable Adjustable Boom**			**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 GC S	✓	✓	✓			
	H115 S	✓	✓	✓			
	H120 S		✓	✓			
Demolition and Sorting Grapples	G313 GC	✓	✓	✓			
	G314	✓	✓	✓			
Mobile Scrap and Demolition Shears	S3015 Flat Top		✓				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓
Orange Peel Grapples	GSH420-500	●	●	●			
	GSH420-600	●	●	●			
	GSH420-750	●	●	○			
	GSH520-500	●	●	●			
	GSH520-600	●	●	○			
	GSH520-750	●	●				
	GSV420-400	●	●	●			
	GSV420-500	●	●	●			
	GSV420-600	●	●	●			
	GSV420-750	●	●	○			
	GSV520-400	●	●	●			
	GSV520-500	●	●	●			
	GSV520-600	●	●	○			
	GSV520-750	●	●	○			
	GSV520 GC-400	●	●	●			
	GSV520 GC-500	●	●	●			
	GSV520 GC-600	●	●	●			
	GSV520 GC-750	●	●	○			
Clamshell Grapples	CTV15-1000	●	○				
	CTV15-1200	○					

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match ● 1800 kg/m³ (3,000 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS *(continued)*

Undercarriage		**Rear Blade (Wide Undercarriage)**			**Rear Blade**		
Boom Type		**Variable Adjustable Boom**			**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 GC S	✓	✓	✓			
	H115 S	✓	✓	✓			
	H120 S		✓	✓			
Demolition and Sorting Grapples	G313 GC	✓	✓	✓			
	G314	✓	✓	✓			
Mobile Scrap and Demolition Shears	S3015 Flat Top		✓				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓
Orange Peel Grapples	GSH420-500	●	●	○			
	GSH420-600	●	○	○			
	GSH420-750	○	○				
	GSH520-500	●	○	○			
	GSH520-600	○	○				
	GSV420-400	●	●	●			
	GSV420-500	●	●	●			
	GSV420-600	●	○	○			
	GSV420-750	○	○				
	GSV520-400	●	●	●			
	GSV520-500	●	●	○			
	GSV520-600	○	○	○			
	GSV520-750	○					
	GSV520 GC-400	●	●	●			
	GSV520 GC-500	●	●	○			
	GSV520 GC-600	○	○	○			
	GSV520 GC-750	○	○				

(continued on next page)

Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade			Rear Outrigger/Front Outrigger		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S		✓	✓		✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

CAT PIN GRABBER COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)			Front Outriggers; Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 GC S		✓	✓			
	H115 S	✓	✓	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

CAT PIN GRABBER COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)			Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 GC S		✓	✓			
	H115 S	✓	✓	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

(continued on next page)

Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match

CW-30s DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade			Rear Outrigger/Front Outrigger		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G313 GC		✓	✓		✓	✓
	G314		✓	✓		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

CW-30s DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)			Front Outriggers; Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 S	✓	✓	✓			
Demolition and Sorting Grapples	G313 GC		✓	✓			
	G314		✓	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

CW-30s DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)			Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 S	✓	✓	✓			
Demolition and Sorting Grapples	G313 GC		✓	✓			
	G314		✓	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match

CW-30 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade			Rear Outrigger/Front Outrigger		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G313 GC	✓	✓	✓	✓	✓	✓
	G313 GC Fixed CAN	✓	✓	✓	✓	✓	✓
	G314	✓	✓	✓	✓	✓	✓
Mobile Scrap and Demolition Shears	S3015 Flat Top		✓	✓		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

CW-30 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)			Front Outriggers; Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 GC S	✓	✓	✓			
	H115 S	✓	✓	✓			
Demolition and Sorting Grapples	G313 GC	✓	✓	✓			
	G313 GC Fixed CAN	✓	✓	✓			
	G314	✓	✓	✓			
Mobile Scrap and Demolition Shears	S3015 Flat Top		✓	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

CW-30 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)			Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 GC S	✓	✓	✓			
	H115 S	✓	✓	✓			
Demolition and Sorting Grapples	G313 GC	✓	✓	✓			
	G313 GC Fixed CAN	✓	✓	✓			
	G314	✓	✓	✓			
Mobile Scrap and Demolition Shears	S3015 Flat Top		✓	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match * Working range front only No Match

HCCW30 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Front Blade; Rear Outriggers			Front and Rear Outriggers		
Boom Type		**Variable Adjustable Boom**			**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S		✓	✓		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15		✓	✓		✓	✓

HCCW30 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Front Outriggers; Rear Blade (Wide Undercarriage)			Front Outriggers; Rear Blade	
Boom Type		**Variable Adjustable Boom**			**Variable Adjustable Boom**	
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.2 m (7'3")**	**2.5 m (8'2")**
Hydraulic Hammers	H110 S		✓	✓		
Compactors (Vibratory Plate)	CVP75	✓	✓	✓		
Rotary Cutters	RC15		✓	✓	✓	✓

HCCW30 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Blade (Wide Undercarriage)			Rear Blade	
Boom Type		**Variable Adjustable Boom**			**Variable Adjustable Boom**	
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S		✓	✓		
Compactors (Vibratory Plate)	CVP75	✓	✓	✓		
Rotary Cutters	RC15		✓	✓	✓	✓*

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match

S60 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade			Rear Outrigger/Front Outrigger		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G313 GC		✓			✓	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

S60 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)			Front Outriggers; Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 GC S	✓	✓	✓			
	H115 S	✓	✓	✓			
Demolition and Sorting Grapples	G313 GC		✓				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

S60 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)			Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 GC S	✓	✓	✓			
	H115 S	✓	✓	✓			
Demolition and Sorting Grapples	G313 GC		✓				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

HCS60 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade			Rear Outrigger/Front Outrigger		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

HCS60 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)		
Boom Type		Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓
	H115 S	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓

HCS60 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)		
Boom Type		Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓
	H115 S	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

HCS65 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade			Rear Outrigger/Front Outrigger		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

HCS65 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)			Front Outriggers; Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 S	✓	✓	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

HCS65 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)			Rear Blade		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓			
	H115 S	✓	✓	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓			
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region. Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (PIN-ON TOP/S60 BOTTOM) ATTACHMENTS

Undercarriage		**Rear Outrigger/Front Blade**			**Rear Outrigger/Front Outrigger**		
Boom Type		**Variable Adjustable Boom**			**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 GC S		✓			✓	
	H110 S		✓			✓	
Demolition and Sorting Grapples	G212 GC		✓	✓		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

TRS14 (PIN-ON TOP/S60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		**Rear Blade/Front Outrigger (Wide Undercarriage)**		
Boom Type		**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 GC S		✓	
	H110 S		✓	
Demolition and Sorting Grapples	G212 GC		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓

TRS14 (PIN-ON TOP/S60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		**Rear Blade (Wide Undercarriage)**		
Boom Type		**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 GC S		✓	
	H110 S		✓	
Demolition and Sorting Grapples	G212 GC		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (S60 TOP/S60 BOTTOM) ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade		Rear Outrigger/Front Outrigger	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓

TRS14 (S60 TOP/S60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓

TRS14 (S60 TOP/S60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region. Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (PIN-ON TOP/HCS60 BOTTOM) ATTACHMENTS

Undercarriage		**Rear Outrigger/Front Blade**			**Rear Outrigger/Front Outrigger**		
Boom Type		**Variable Adjustable Boom**			**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S		✓	✓		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

TRS14 (PIN-ON TOP/HCS60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		**Rear Blade/Front Outrigger (Wide Undercarriage)**		
Boom Type		**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓

TRS14 (PIN-ON TOP/HCS60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		**Rear Blade (Wide Undercarriage)**		
Boom Type		**Variable Adjustable Boom**		
Stick Length		**2.2 m (7'3")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S		✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region. Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (HCS60 TOP/HCS60 BOTTOM) ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade		Rear Outrigger/Front Outrigger	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓

TRS14 (HCS60 TOP/HCS60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓

TRS14 (HCS60 TOP/HCS60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

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Attachments Offering Guide – Europe *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (PIN-ON TOP/HCS65 BOTTOM) ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade			Rear Outrigger/Front Outrigger		
Boom Type		Variable Adjustable Boom			Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

TRS14 (PIN-ON TOP/HCS65 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)		
Boom Type		Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Compactors (Vibratory Plate)	CVP75	✓	✓	✓

TRS14 (PIN-ON TOP/HCS65 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade (Wide Undercarriage)		
Boom Type		Variable Adjustable Boom		
Stick Length		2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
Compactors (Vibratory Plate)	CVP75	✓	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

M319 Wheel Excavator Specifications

Attachments Offering Guide – North America

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match | No Match | ● 1800 kg/m³ (3,000 lb/yd³) | ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Undercarriage		Rear Outrigger/ Front Blade		Rear Outrigger/ Front Outrigger		Rear Blade/ Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G314	✓	✓	✓	✓	✓	✓
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓		✓		✓	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓
Orange Peel Grapples	GSH420-500	●	●	●	●	●	●
	GSH420-600	●	●	●	●	●	●
	GSH420-750	●	○	●	○	●	○
	GSH520-500	●	●	●	●	●	●
	GSH520-600	●	○	●	○	●	○
	GSH520-750	●		●		●	

(continued on next page)

Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match | No Match | ● 1800 kg/m³ (3,000 lb/yd³) | ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS *(continued)*

Undercarriage		**Rear Blade/Front Outrigger**	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓
	H115 GC S	✓	✓
	H115 S	✓	✓
	H120 S	✓	✓
Demolition and Sorting Grapples	G314	✓	✓
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓	
Compactors (Vibratory Plate)	CVP75	✓	✓
Rotary Cutters	RC15	✓	✓
Orange Peel Grapples	GSH420-500	●	●
	GSH420-600	●	●
	GSH420-750	●	○
	GSH520-500	●	●
	GSH520-600	●	○
	GSH520-750	●	

(continued on next page)

Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/ Front Blade		Rear Outrigger/ Front Outrigger		Rear Blade/ Front Outrigger (Wide Undercarriage)	
Boom Type		Variable Adjustable Boom		Variable Adjustable Boom		Variable Adjustable Boom	
Stick Length		2.5 m (8'2")	2.9 m (9'6")	2.5 m (8'2")	2.9 m (9'6")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

CAT PIN GRABBER COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger	
Boom Type		Variable Adjustable Boom	
Stick Length		2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H110 S	✓	✓
	H115 GC S	✓	✓
	H115 S	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓
Rotary Cutters	RC15	✓	✓

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Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

S60 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/ Front Blade		Rear Outrigger/ Front Outrigger		Rear Blade/ Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

S60 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓
	H115 GC S	✓	✓
	H115 S	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓
Rotary Cutters	RC15	✓	✓

(continued on next page)

Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

HCS60 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade		Rear Outrigger/Front Outrigger	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓

HCS60 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓
	H115 S	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓

(continued on next page)

Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

HCS65 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Rear Outrigger/ Front Blade		Rear Outrigger/ Front Outrigger		Rear Blade/ Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓	✓	✓

HCS65 DEDICATED COUPLER ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓
	H115 S	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓
Rotary Cutters	RC15	✓	✓

(continued on next page)

Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region. Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match ☐ No Match

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (PIN-ON TOP/S60 BOTTOM) ATTACHMENTS

Undercarriage		**Rear Outrigger/Front Blade**		**Rear Outrigger/Front Outrigger**	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 GC S	✓		✓	
	H110 S	✓		✓	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓

TRS14 (PIN-ON TOP/S60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		**Rear Blade/Front Outrigger (Wide Undercarriage)**	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 GC S	✓	
	H110 S	✓	
Compactors (Vibratory Plate)	CVP75	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

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Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (S60 TOP/S60 BOTTOM) ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade		Rear Outrigger/Front Outrigger	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓

TRS14 (S60 TOP/S60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

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Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

* Working range front only

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (PIN-ON TOP/HCS60 BOTTOM) ATTACHMENTS

Undercarriage		**Rear Outrigger/Front Blade**		**Rear Outrigger/Front Outrigger**	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓

TRS14 (PIN-ON TOP/HCS60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		**Rear Blade/Front Outrigger (Wide Undercarriage)**	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Hydraulic Hammers	H110 S	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

(continued on next page)

Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

* Working range front only

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (HCS60 TOP/HCS60 BOTTOM) ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade		Rear Outrigger/Front Outrigger	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓

TRS14 (HCS60 TOP/HCS60 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

(continued on next page)

Attachments Offering Guide – North America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.
Configurations calculated with wide axle width 2.5 m (8'2").

✓ Match

* Working range front only

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

TRS14 (PIN-ON TOP/HCS65 BOTTOM) ATTACHMENTS

Undercarriage		Rear Outrigger/Front Blade		Rear Outrigger/Front Outrigger	
Boom Type		**Variable Adjustable Boom**		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**	**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓

TRS14 (PIN-ON TOP/HCS65 BOTTOM) ATTACHMENTS *(continued)*

Undercarriage		Rear Blade/Front Outrigger (Wide Undercarriage)	
Boom Type		**Variable Adjustable Boom**	
Stick Length		**2.5 m (8'2")**	**2.9 m (9'6")**
Compactors (Vibratory Plate)	CVP75	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

Standard and Optional Equipment

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

	Standard	Optional
BOOM, STICKS AND LINKAGES		
5.2 m (17'1") Variable Adjustable boom	✓	
2.9 m (9'6") stick		✓
2.5 m (8'2") stick		✓
2.2 m (7'3") stick[1]		✓
Bucket linkage, 316-family with lifting eye		✓
Bucket linkage, 316-family without lifting eye		✓
ELECTRICAL SYSTEM		
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		✓
ENGINE		
Cat C4.4 Twin Turbo diesel engine – meets U.S. EPA Tier 4 Final and EU Stage V emission standards.	✓	
Power mode selector	✓	
One-touch low idle with automatic engine speed control	✓	
Automatic engine idle shutdown	✓	
52°C (125°F) high-ambient cooling capacity	✓	
Cold starting capability for –18°C (0°F)	✓	
Double element air filter with integrated pre-cleaner	✓	
Electric fuel priming pump	✓	
On-demand electric cooling fans	✓	

[1]Available in Europe only.

	Standard	Optional
HYDRAULIC SYSTEM		
Boom, stick and bucket drift reduction valves	✓	
Boom/stick lowering check valves		✓
Bucket cylinder check valves		✓
Overload warning	✓	
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 coupler	✓	
SmartBoom™		✓
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	✓	

(continued on next page)

M319 Standard and Optional Equipment

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
SAFETY AND SECURITY		
Rear and right-side-view cameras	✓	
360° visibility		✓
Wide angle mirrors	✓	
Heated and remotely adjustable mirrors		✓
Travel alarm		✓
Signal/warning horn		✓
Inspection Lighting		✓
Rotating beacon on cab and chassis		✓
Neutral lever (lock out) for all controls	✓	
Ground-level accessible secondary engine shutoff switch in cab	✓	
Lockable disconnect switch	✓	
Bluetooth® receiver	✓	
Anti-skid plate and countersunk bolts on service platform	✓	
2D E-Fence		✓
Inspection lighting		✓
Cab Avoidance	✓	
TECHNOLOGY		
Cat Equipment Management:		
– VisionLink®	✓[1]	
– VisionLink Productivity		✓[2]
– Remote Flash	✓	
– Remote Troubleshoot	✓	
Cat Grade:		
– Cat Grade with 2D		✓
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓
– Laser catcher		✓
– Cat Grade 3D Ready		✓
– Cat Grade Connectivity		✓[2]
Cat Assist:		
– Grade Assist	✓	
Cat Payload:		
– On-the-go weighing	✓	
– Payload/cycle information	✓	
Other:		
Cat Tiltrotator (TRS) integration		✓

	Standard	Optional
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 16 PR, dual tires		✓
315/70R22.5, no gap dual tires		✓
445/70R 19.5, single tires		✓
300-80-22.5 dual pneumatic, spacerless tire		✓[3]
Steps with tool box in undercarriage (left and right)	✓	
Two-piece drive shaft	✓	
Two speed hydrostatic transmission	✓	
Rear blade undercarriage		✓[3]
Rear blade undercarriage wide axle gauge		✓[3]
Rear blade/front outrigger undercarriage		✓
Rear blade/front outrigger undercarriage wide axle gauge		✓
Rear outrigger/front blade undercarriage		✓
Rear outrigger/front outrigger undercarriage		✓
Fenders, front and rear, synthetic		✓
Travel restraint bracket for grapple/clamshell		✓
5000 kg (11,020 lb) counterweight	✓	
Trailer Package		✓[3]
SERVICE AND MAINTENANCE		
Scheduled Oil Sampling (S·O·S℠) ports	✓	
Automatic lubrication system for implement and swing system		✓
Integrated vehicle health management system	✓	

[1]Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

[2]VisionLink subscription required. Consult your Cat dealer for details.

[3]Europe only

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

- Operator Protective Guard (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)

M319 Cab Options

Cab Options

	Deluxe	Premium
Sound-suppressed ROPS cab	●	●
Heated seat with air-adjustable suspension	●	X
Heated and cooled seat with automatic adjustable suspension	X	●
Height-adjustable console, infinite with no tool	●	●
High-resolution 254 mm (10") LCD touchscreen monitor	●	●
Mechanical mirror	●	X
Electrical mirror	X	●
Automatic bi-level air conditioner	●	●
Jog dial and shortcut keys for monitor control	●	●
Keyless push-to-start engine control	●	●
51 mm (2") orange seat belt	●	●
Unfastened seat belt warning	●	●
Bluetooth integrated radio (including USB, auxiliary port and microphone)	●	●
Auxiliary relay	○	○
2 × 12V DC outlets	●	●
Document storage	●	●
Cup and bottle holders	●	●
Openable two-piece front window (laminated)	●	○
Fixed one-piece front window (P5A classified)*	X	○
Parallel wiper with washer	●	●
Fixed glass skylight	●	●
LED dome lights	●	●
Foot illumination	●	●
Roller rear sunscreen	X	●
Rear window emergency exit	●	●
Washable floor mat	●	●
Beacon ready	●	●
Operator Protective Guard (OPG) “ready”	●	●
Vandalism “ready”	●	●
Two LED cab lights	●	●
Rain visor	●	●

*Europe only

● Standard

○ Optional

X Not available

M319 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® C4.4 engine meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Cat 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 (hydrotreated 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.

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

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

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg (2.2 lb) of refrigerant which has a CO_2 equivalent of 1.43 metric tonnes (1.576 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 Performance

ISO 6395:2008 internal	70 dB(A)
ISO 6395:2008 external	98 dB(A)

- Blue Angel Certified
- External Sound – The labelled spectator sound power level represents the Guaranteed Value per 2000/14/EC amended by 2005/88/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- 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).

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.
  - Advanced hydraulic systems balance power and efficiency
  - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval
  - Eco mode supports reduced fuel consumption for light applications
  - One-touch low idle with automatic engine speed control
  - Boost productivity and increase operating efficiency with optional Cat technologies
  - Remote Flash and Remote Troubleshoot

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

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