



Technical Specifications of 323GX SLR

Excavator OEM Solution

Caterpillar Inc.
100 NE Adams St
Peoria, IL 61629-1900 USA

Dear Sirs,

Per the tender requirements, we are pleased to offer our CATERPILLAR 323GX 15 Meters SLR, with the following dimensions, total operating weight of 23,025 kg, complete unit ex-factory of Caterpillar, equipped with 0.53 cubic meter Bucket.

Brand: CATERPILLAR

Model: 323GX SLR Customized Hydraulic Excavator from Caterpillar

Engine: Cat C4.4 engine emits equivalent to U.S. EPA Tier 3 and EU Stage IIIA

Table of Contents

Specifications	2
Operating weights and Ground pressure.....	2
Engine.....	2
Swing Mechanism	2
Track	2
Drive	2
Hydraulic System	2
Service Refill Capacities	2
Standards	2
Sound Performance	2
Air Condition System	2
Dimensions	3
Working Rages	4
Super Long Reach Lift Capacities	5

Technical Specifications of 323 GX SLR

Operating weights and Ground Pressure

Operating Weight:	23,025kg
Counterweight:	4.55ton
Track shoe width:	800mm TG
Number of Track Roller (each side)	8
Number of Carrier Roller (each side)	2
Bucket size:	0.53m ³ GD
Ground Pressure	36.4kPa

Engine		
Engine Model	Cat® C4.4	
Net Power		
ISO 9249	123.7 kW	166 hp
ISO 9249 (DIN)	168 hp (metric)	
Engine Power		
ISO 14396	129.4 kW	174 hp
ISO 14396 (DIN)	176 hp (metric)	
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in³
Biodiesel Capability	Up to B20 ⁽¹⁾	
• Cat C4.4 engine emits equivalent to U.S. EPA Tier 3 and EU Stage IIIA. • Recommended for use up to 4500 m (14,764 ft) altitude with engine power derate above 3000 m (9,842 ft). • 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 the engine is equipped with fan, air intake system, exhaust system and alternator. • Engine speed at 2,000 rpm.		
⁽¹⁾ Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to: ✓ 100% biodiesel FAME (fatty acid methyl ester)* ✓ 100% renewable diesel, HVO (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.		
<i>*For use of blends higher than 20% biodiesel, consult your Cat dealer.</i>		
<i>**Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.</i>		

Standards	
Brakes	ISO 10265:2008
Cab/Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II

Sound Performance	
GB 16710:2010 (external):	105 dB(A)
GB 16710:2010 (inside cab):	80 dB(A)
- Compliant to China Standard GB 16710-2010 Phase II. - Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.	

Drive		
Gradeability	35° +/-70%	
Maximum Travel Speed	5.7 km/h	3.6 mph
Maximum Drawbar Pull	200 kN	44,917 lbf

Hydraulic System			
Main System – Maximum Flow – Implement	429 L/min (214.5 × 2 pumps)	113 gal/min (56.7 × 2 pumps)	
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi	
Maximum Pressure – Travel	35 000 kPa	5,075 psi	
Maximum Pressure – Swing	27 500 kPa	3,988 psi	
Boom Cylinder – Bore	120 mm	5 in	
Boom Cylinder – Stroke	1260 mm	50 in	
Stick Cylinder – Bore	140 mm	6 in	
Stick Cylinder – Stroke	1504 mm	59 in	
Bucket Cylinder – Bore	120 mm	5 in	
Bucket Cylinder – Stroke	1104 mm	43 in	

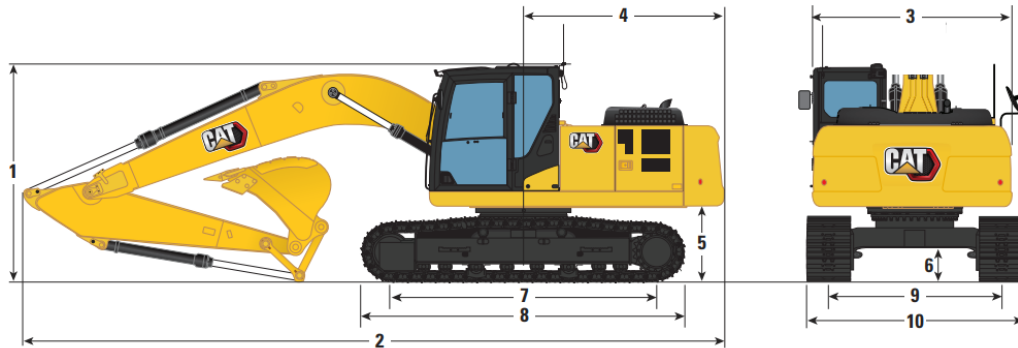
Service Refill Capacities		
Fuel Tank Capacity	390 L	103 gal
Cooling System	24.5 L	6.5 gal
Engine Oil	15 L	4 gal
Swing Drive	5.5 L	1.5 gal
Final Drive (each)	4.5 L	1.2 gal
Hydraulic System (including tank)	218 L	57.6 gal
Hydraulic Tank	115 L	30.4 gal

Swing Mechanism		
Swing Speed	11.13 rpm	
Maximum Swing Torque	82 kN·m	60,333 lbf·ft

Air Conditioning System	
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg of refrigerant, which has a CO ₂ equivalent of 1.216 metric tonnes.	

Technical Specifications of 323 GX SLR

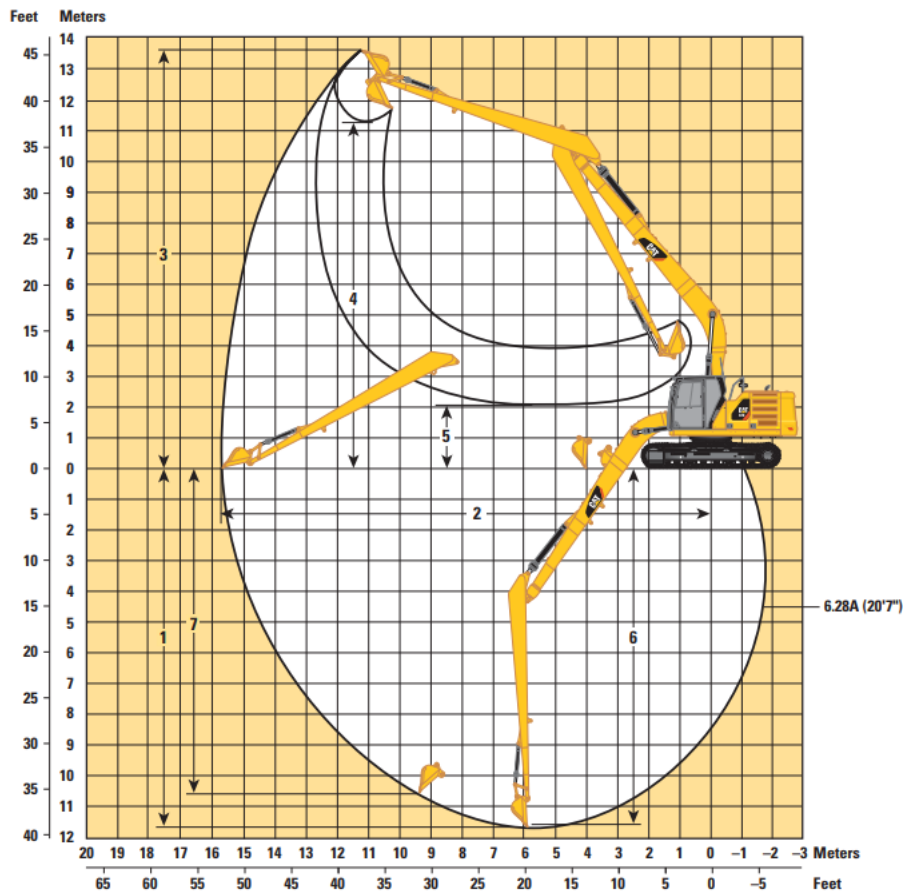
Dimension



Boom Option	SLR BOOM 8.85m (29'0")
Stick Option	SLR Stick 6.28A (20'7")
1 Machine Height:	
Top of Cab height	2980 mm
Top of FOGS height	3120 mm
Guardrails/Handrails height	3030 mm
With boom/stick/bucket installed	3190 mm
With boom/stick installed	3030 mm
With boom installed	3030 mm
2 Machine length:	
With boom/stick/bucket installed	12800 mm
With boom/stick installed	12800 mm
With boom installed	11760 mm
3 Upper frame width	2740 mm
4 Tail Swing Radius	2840 mm
5 Counterweight clearance	1065 mm
6 Ground clearance	465 mm
7 Track length- Length to center of rollers	3650 mm
8 Track length- Crawler Overall Length	4450 mm
9 Track Gauge	2380 mm
Track width	800 mm
10 Undercarriage width (with steps / without steps)	3180 mm
Bucket type	GD
Bucket Capacity	0.53 m³
Bucket Tip Radius	1230 mm

Technical Specifications of 323 GX SLR

Working Ranges



Boom Option	SLR BOOM 8.85m (29'0")
Stick Option	SLR Stick 6.28A (20'7")
1 Maximum Digging Depth	11680 mm
2 Maximum Reach at Ground Line	15720 mm
3 Maximum Cutting Height	13610 mm
4 Maximum Loading Height	11290 mm
5 Minimum Loading height	2100 mm
6 Maximum Depth Cut for 2440 mm (8ft) Level Bottom	11580 mm
7 Maximum Vertical Wall Digging Depth	10730 mm
Bucket Digging Force (ISO)	60 KN
Stick Digging Force (ISO)	49 KN
Bucket type	GD
Bucket Capacity	0.53 m ³
Bucket Tip Radius	1230 mm

Technical Specifications of 323 GX SLR

Super Long Reach Boom Lift Capacities – Counterweight: 4.55 mt (10,060 lb) – without Bucket

800mm track																
(mm) (finch)	1500 5'0"	3000 10'0"	4500 15'0"	6000 20'0"	7500 25'0"	9000 30'0"	10500 35'0"	12000 40'0"	13500 45'0"			(mm) (finch)				
																
12000 40'0"												* 1500 * 3250	* 1500 * 3250	10360 33'3"		
10500 35'0"												* 2200 * 4850	* 2200 * 4850	* 1400 * 3050	11660 37'8"	
9000 30'0"												* 2200 * 4800	* 2200 * 4800	* 1350 * 2900	12660 41'2"	
7500 25'0"												* 2250 * 4900	* 2250 * 4900	* 1300 * 2850	13410 43'9"	
6000 20'0"												* 2400 * 5200	* 2400 * 5150	* 1300 * 2850	13960 45'8"	
4500 15'0"												* 2800 * 6050	* 2800 * 6050	* 1300 * 2850	14330 46'9"	
3000 10'0"		* 4550 * 11500	* 4550 * 11500	* 6050 * 12950	* 6050 * 12950	* 4450 * 9600	* 4450 * 9600	* 3650 * 7800	* 3600 * 7800	* 3100 * 6750	* 2750 * 5850	* 2550 * 6000	* 2150 * 4550	* 1700 * 5550	* 1250 * 3600	14540 47'7"
1500 5'0"				* 6650 * 15700	* 6400 * 13800	* 5250 * 11350	* 4400 * 9500	* 4100 * 8900	* 3250 * 7050	* 3450 * 7450	* 2500 * 5400	* 2000 * 4250	* 1600 * 3650	* 1300 * 2900	* 1400 * 3100	14590 47'8"
0		* 2000 * 4500	* 2000 * 4500	* 4600 * 10600	* 4600 * 10600	* 5900 * 12700	* 3950 * 8550	* 4500 * 9800	* 3000 * 6400	* 3750 * 8050	* 2300 * 5000	* 1850 * 3950	* 1500 * 3200	* 1250 * 2700	* 1100 * 2400	14480 47'5"
-1500 -5'0"	* 2050 * 4550	* 2050 * 4550	* 2700 * 6050	* 2700 * 6050	* 4600 * 10400	* 4600 * 10400	* 6300 * 13600	* 3700 * 7950	* 4800 * 10300	* 2750 * 5950	* 2200 * 4650	* 3000 * 6750	* 2500 * 5300	* 1700 * 3850	* 1400 * 3050	14220 46'6"
-3000 -10'0"	* 2850 * 6300	* 2850 * 6300	* 3500 * 7850	* 3500 * 7850	* 5150 * 11650	* 5150 * 11650	* 6400 * 13750	* 3500 * 7650	* 4650 * 10000	* 2650 * 5700	* 2100 * 4450	* 1700 * 3600	* 1400 * 3050	* 1150 * 2550	* 1800 * 3900	13780 45'2"
-4500 -15'0"	* 3650 * 8150	* 3650 * 8150	* 4400 * 9850	* 4400 * 9850	* 5350 * 13650	* 5350 * 13650	* 6350 * 13650	* 3500 * 7550	* 4600 * 9850	* 2600 * 5550	* 2050 * 4350	* 1600 * 3500	* 1350 * 2950	* 1250 * 2750	* 2000 * 4450	13160 43'1"
-6000 -20'0"	* 4500 * 10100	* 4500 * 10100	* 5400 * 12100	* 5400 * 12100	* 7200 * 16250	* 7200 * 16250	* 8500 * 18750	* 3500 * 7650	* 4600 * 9900	* 2600 * 5600	* 2050 * 4350	* 1600 * 3500	* 1400 * 3000	* 1250 * 2750	* 2350 * 5250	12320 40'2"
-7500 -25'0"	* 5450 * 12200	* 5450 * 12200	* 6550 * 14750	* 6550 * 14750	* 7300 * 15700	* 7300 * 15700	* 8500 * 18750	* 3650 * 7950	* 4550 * 9800	* 2700 * 5750	* 2100 * 4550	* 1600 * 3500	* 1400 * 3000	* 1250 * 2750	* 2700 * 5950	11230 36'5"
-9000 -30'0"		* 7950 * 17550	* 7950 * 17550	* 6150 * 13500	* 6150 * 13500	* 5950 * 12800	* 4900 * 10350	* 3850 * 8350	* 2800 * 6100	* 2150 * 4650	* 1600 * 3500			* 2700 * 5950	* 2050 * 4550	9770 31'5"

*



ISO 10567



*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

Prepared by:
EXCAVATOR OEM GCN1/ASIA SALES/ PRODUCT SUPPORT
EXCAVATOR ENGINEERING