

503Z

ENGINE

Make	YANMAR
Model	4TNV88-PNS, EPA TIER II
Type	4-cyl. water-cooled diesel
Displacement (cc)	134 cu. in. (2189)
Power (kW) @ rpm	38 hp (28.2) @ 2400 rpm
Battery (Ah)	12-V (88)
Fuel Tank (L)	21.9 gal (83)

HYDRAULIC SYSTEM

Pumps	two variable capacity + two gear pumps
Flow Rate (L/min)	2@ 15.0 gpm (57) + 10.9 gpm (41.4) + 3.0 gpm (11.6)
Working Pressure (bar)	3481 psi (240)
Swing System Pressure (bar)	3118 psi (215)
Oil Cooler	standard
Hydraulic Tank (L)	21.1 gal (80)

UNDERCARRIAGE AND SLEWING SYSTEM

Travel Speed - dual (km/h)	1.67 mph (2.7), 2.85 mph (4.6)
Gradability	30° = 58%
Rubber Track Width (mm)	(A) 15.7" (400)
No. of Track Rollers	4 on each side
Tracks Tension	hydraulic
Undercarriage Length (mm)	(C) 8'2" (2500)
Sprocket Center (mm)	6'7" (2000)
Ground Clearance (mm)	12" (305)
Ground Pressure - average (kg/cm ²)	4.0 psi (0.28)
Slew Speed	8.7 rpm

GENERAL SPECIFICATIONS

Operating Weight (kg)	10,582 lbs (4800)
Dimensions (mm)	
Height / Width	(D/E) 8'5" (2570) / 6'6" (1990)
Transport Length	(F) 18'4" (5600)
Arm Length (mm)	4'9" (1450)
w/long arm - optional	5'9" (1750)
Max. Digging Depth (mm)	(G) 11'9" (3570)
w/long arm	(G*) 12'8" (3870)
Max. Digging Height (mm)	(H) 17'5" (5320)
w/long arm	(H*) 18'1" (5500)
Max. Vertical Digging Depth (mm)	(I) 8'7" (2630)
w/long arm	(I*) 9'7" (2915)
Max. Dump Height (mm)	(J) 12'2" (3720)
w/long arm	(J*) 12'10" (3900)
Max. Digging Radius (mm)	(K) 19'9" (6030)
w/long arm	(K*) 20'8" (6300)
Bucket Dig Force (kN)	7599 lbf (33.8)
Arm Force (kN)	5980 lbf (26.6)
Min. Tail Swing Radius (mm)	(L) 3'3" (995)
Min. Front Swing Radius (mm)	(M) 7'6" (2283)
Swing Angle - left / right	(N/O) 65°/61°

DOZER BLADE

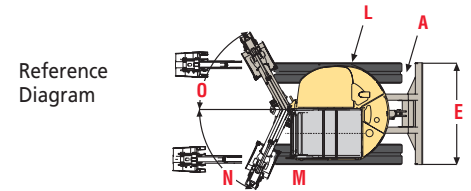
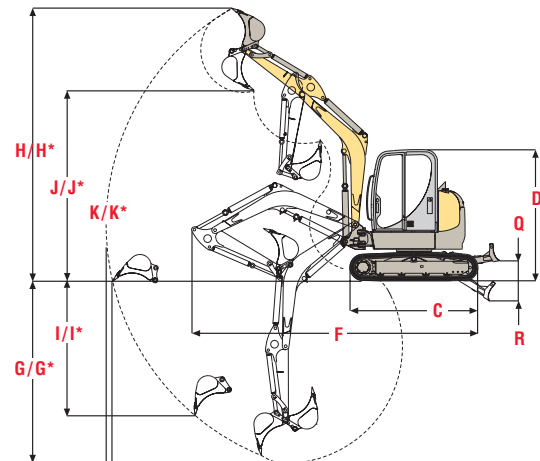
Dimensions - Width / Height (mm)	6'6" (1990) / 15" (380)
Max. Lift - Above / Below Ground (mm)	(Q/R) 15.2" (385) / 15.4" (390)

GENERAL PURPOSE BUCKET OPTIONS

Width (mm) / Capacity (L)	12" (305) / 2.5 cu.ft. (71)
	16" (406) / 3.3 cu.ft. (93)
	20" (508) / 3.7 cu.ft. (105)
	26" (660) / 6.4 cu.ft. (181)
	33" (838) / 8.8 cu.ft. (250)

SOUND LEVELS

Power / Pressure Level	97 dB(A) / 77 dB(A)
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Gehl offers a full line of compact excavator models with operating weights ranging from 3560 to 25,397 lbs. New models with zero tail swing and short tail swing maneuverability offer some of the largest operator cabs in the industry. All models feature a unique combination of digging power, maneuverability, stability, visibility and operator comfort. The result—performance and profitability for you!

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* Denotes optional long dipper arm specifications. Lifting power is hydraulically limited.

503Z

STANDARD EQUIPMENT

- Enclosed ROPS Cab
- Advanced Hydraulic System
- Hydraulic Oil Cooler
- Pilot-operated Joystick Control
- Heating System
- Double Variable Displacement Pump
- Boom-mounted Worklight
- Suspension Seat
- Tool Kit
- Rubber Tracks
- SAE/ISO Control Pattern Selection
- Auto 2-Speed Transmission
- Auxiliary Hydraulic with Flat-faced Couplers
- Independent Boom Swing
- 3rd Return Line
- Dozer Blade












Zero Tail Swing. What more do you want in a compact excavator? How about power, stability and maneuverability? The Gehl Model 503Z has that too. It's all you need in one machine.

OPTIONAL EQUIPMENT

- Air Conditioning
- Counterweight
- Steel Tracks
- Long Dipper Arm

LIFTING CAPACITIES

		Maximum 		13'1" (4.0 m)		9'10" (3.0 m)		6'7" (2.0 m)	
		Pounds (kg)		Pounds (kg)		Pounds (kg)		Pounds (kg)	
B	A								
	13'1" (4.0 m)		2337 * (1060)	1786 (810)					
9'10" (3.0 m)		2260 (1025)	1290 (585)	2227 (1010)	1720 (780)				
6'7" (2.0 m)		2304 (1045)	1080 (490)	2612 (1185)	1609 (730)	3483 (1580)	2535 (1150)		
3'3" (1.0 m)		2403 (1090)	1003 (455)	3120 (1415)	1477 (670)	4905 (2225)	2183 (990)		
0 (0 m)		2524 (1145)	1014 (460)	3428 (1555)	1378 (625)	5368 (2435)	2028 (920)		
-3'3" (-1.0 m)		2668 (1210)	1135 (515)	3329 (1510)	1345 (610)	5049 (2290)	2017 (915)	8973 (4070)	3946 (1790)
-6'7" (-2.0 m)		2767 (1255)	1554 (705)			3924 (1780)	2094 (950)	6614 (3000)	4101 (1860)

A - Overhang from the center of the turntable
B - Height of load fixing point

* - The lifting capacity is hydraulically limited



- Dozer blade support in drive direction

- Dozer blade support 90° to drive direction

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SAFETY IS NO ACCIDENT.

Gehl Company reminds users to read and understand the operator's manual before operating any piece of equipment. Additionally, be sure all safety devices and shields are securely in place and functioning properly.

Gehl Company reserves the right to make changes in design or specifications at any time without notice or obligation.