

## ENGINE

Model	Kubota D1703-M
Emissions Certification	Tier 4 Final / Stage V
Net horsepower - SAE J1349 @ 2300 RPM:	24.4 hp (18.2 kW)
Displacement	1.65 L
Cylinders	3-cylinder in line
Cooling	Liquid

## DRIVETRAIN

Travel speeds – 2-speed travel w/ auto-shift:	
1st	1.7 mph (2.7 km/h)
2nd	2.7 mph (4.3 km/h)
Number of lower rollers	4

## ELECTRICAL

Voltage	12 volts
Alternator rating	40 amp
Battery	1 x 12 volts
Battery reserve capacity	80 Ah
Work lights	1 x boom / 1x roof

## OPERATOR ENVIRONMENT

Boom, arm, bucket and swing	2 x pilot joysticks
Tracks	2 x pilot levers
Dozer blade	1 x pilot lever
AUX 1	1- or 2-way flow
Electric proportional switch on right joystick	
AUX 2	2-way flow
Electric proportional switch on right joystick	
Boom swing	
Electric proportional switch on left joystick	
AUX 2/boom swing switch selection on right joystick	

## OPERATING WEIGHT

Canopy operating weight with rubber tracks:	7,385 lb (3 350 kg)
Cab operating weight with rubber tracks:	7,672 lb (3 480 kg)

\*Operating weight includes 165 lb bucket and 165 lb operator

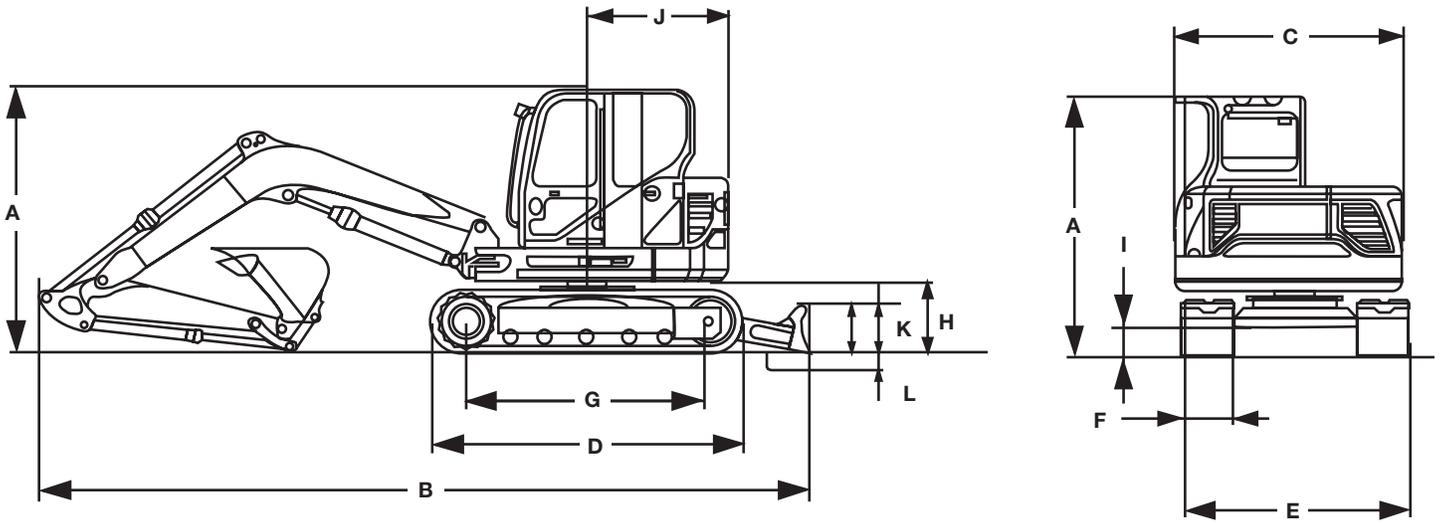
## HYDRAULICS

Type	Open Center
Pump type	1 x LS variable pump
Max. rated flow total	26.7 gpm (101 L/min)
Max. system pressure	3,771 psi (260 bar)
AUX 1 rated flow @ max. system pressure	10.6 gpm (40 L/min)
AUX 2 rated flow @ max. system pressure	8.5 - 5.3 gpm (32 - 20 L/min)
Slew speed	10.5 rpm
2nd Auxiliary (AUX 2) circuit with Electro-Hydraulic proportional control	

## SERVICE CAPACITIES

Fuel tank	12.9 gal (49 L)
Hydraulic oil tank	8.8 gal (33.5 L)
Hydraulic circuit capacity	14.3 gal (54 L)
Cooling system capacity	2.0 gal (7.5 L)
Engine oil	1.7 gal (6.3 L)





Line drawings are for illustrative purpose only and may not be exact representation of unit.

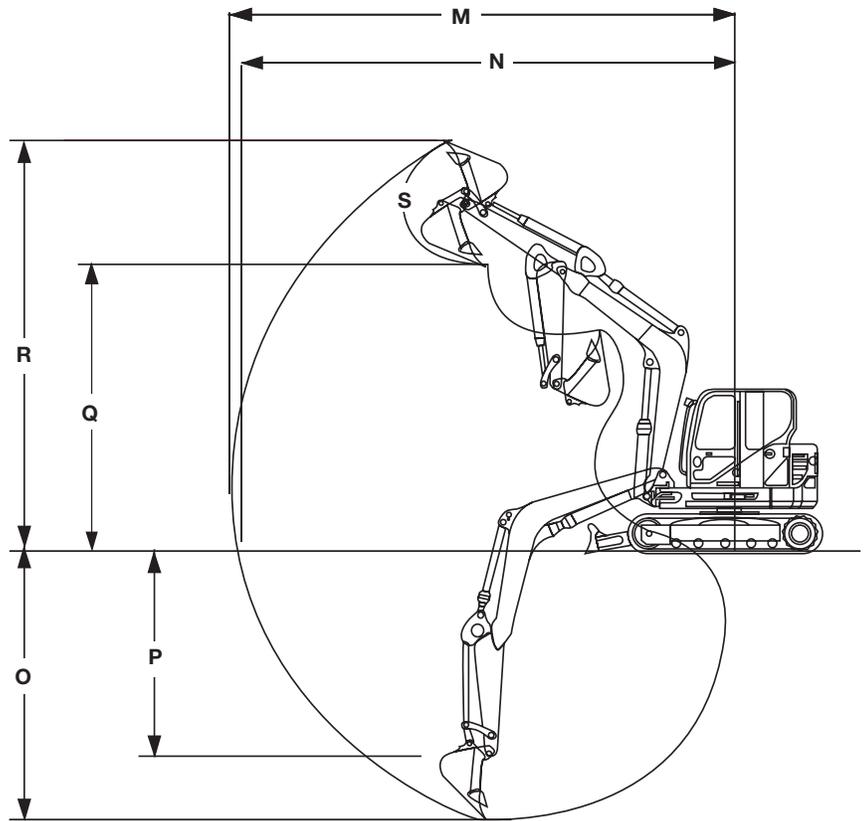
### DIMENSIONS

#### 3 ft 11 in (1.20 m) Arm

A. Overall height	8 ft 3 in (2520 mm)
B. Overall transport length	16 ft 2 in (4920 mm)
C. Width of upper structure	5 ft 0 in (1525 mm)
D. Track overall length	7 ft 1 in (2155 mm)
E. Track overall width	5 ft 6 in (1700 mm)
F. Track shoe width	11.8 in (300 mm)
G. Center to center – idler to sprocket	5 ft 7 in (1700 mm)
H. Upper structure ground clearance	1 ft 10 in (550 mm)
I. Minimum ground clearance	11.4 in (290 mm)
J. Tail swing radius:	
Standard counterweight	2 ft 7 in (790 mm)
Additional counterweight	3 ft 0 in (906 mm)
Additional counterweight – heavy	3 ft 2 in (960 mm)
Boom swing	67° left / 60° right
Tail swing overhang:	
Standard counterweight	0 in (0 mm)
Additional counterweight	4.6 in (116 mm)
Additional counterweight – heavy	6.7 in (170 mm)

### BLADE SPECS

K. Backfill blade rise above ground	1 ft 2 in (352 mm)
L. Backfill blade dig depth	1 ft 1 in (321 mm)
Backfill blade width	5 ft 2 in (1580 mm)



### PERFORMANCE SPECS

	3 ft 11 in (1.20 m) Arm	4 ft 7 in (1.40 m) Arm
M. Maximum dig radius	16 ft 2 in (4930 mm)	16 ft 10 in (5120 mm)
N. Dig radius at groundline	15 ft 9 in (4810 mm)	16 ft 5 in (5000 mm)
O. Maximum dig depth	9 ft 5 in (2870 mm)	10 ft 1 in (3070 mm)
P. Vertical straight wall dig depth	7 ft 7 in (2300 mm)	8 ft 2 in (2480 mm)
Q. Dump height	10 ft 2 in (3110 mm)	10 ft 7 in (3230 mm)
R. Overall reach height	14 ft 6 in (4430 mm)	14 ft 11 in (4550 mm)
S. Bucket rotation	197°	197°
Arm digging force – ISO	3,936 lbf (17.5 kN)	3,552 lbf (15.8 kN)
Bucket digging force – ISO	6,800 lbf (30.3 kN)	6,800 lbf (30.3 kN)

3 ft 11 in (1.20 m) Arm, Dozer Blade Down

Load (Lift Point) Height	7 ft (2 m)		8 ft (2.5 m)		10 ft (3 m)		12 ft (3.5 m)		13 ft (4 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+10 ft (3 m)							1,612 lb* (731 kg)*	1,335 lb (606 kg)			11 ft 8 in 3.55 m	1,637 lb* (743 kg)*	1,306 lb (592 kg)
+8 ft (2.5 m)					1,545 lb* (701 kg)*	1,545 lb* (701 kg)*	1,577 lb* (715 kg)*	1,335 lb (606 kg)			12 ft 8 in 3.85 m	1,651 lb* (749 kg)*	1,143 lb (518 kg)
+7 ft (2 m)			1,966 lb* (892 kg)*	1,966 lb* (892 kg)*	1,774 lb* (805 kg)*	1,661 lb (753 kg)	1,679 lb* (762 kg)*	1,317 lb (597 kg)	1,667 lb* (756 kg)*	1,071 lb (486 kg)	13 ft 3 in 4.05 m	1,678 lb* (761 kg)*	1,048 lb (475 kg)
+5 ft (1.5 m)			2,564 lb* (1 163 kg)*	2,112 lb (958 kg)	2,085 lb* (946 kg)*	1,616 lb (733 kg)	1,844 lb* (836 kg)*	1,291 lb (586 kg)	1,724 lb* (782 kg)*	1,060 lb (481 kg)	13 ft 8 in 4.17 m	1,714 lb* (777 kg)*	995 lb (451 kg)
+3 ft (1 m)			3,155 lb* (1 431 kg)*	2,034 lb (923 kg)	2,407 lb* (1 092 kg)*	1,572 lb (713 kg)	2,026 lb* (919 kg)*	1,265 lb (574 kg)	1,812 lb* (822 kg)*	1,046 lb (474 kg)	13 ft 10 in 4.21 m	1,757 lb* (797 kg)*	972 lb (441 kg)
+2 ft (0.5 m)			3,540 lb* (1 606 kg)*	1,983 lb (899 kg)	2,661 lb* (1 207 kg)*	1,536 lb (697 kg)	2,179 lb* (988 kg)*	1,242 lb (563 kg)	1,886 lb* (855 kg)*	1,033 lb (469 kg)	13 ft 8 in 4.17 m	1,806 lb* (819 kg)*	976 lb (443 kg)
Groundline	5,268 lb* (2 390 kg)*	2,754 lb (1 249 kg)	3,694 lb* (1 676 kg)*	1,959 lb (889 kg)	2,802 lb* (1 271 kg)*	1,515 lb (687 kg)	2,269 lb* (1 029 kg)*	1,227 lb (557 kg)	1,904 lb* (864 kg)*	1,027 lb (466 kg)	13 ft 4 in 4.06 m	1,862 lb* (845 kg)*	1,008 lb (457 kg)
-2 ft (-0.5 m)	5,044 lb* (2 288 kg)*	2,760 lb (1 252 kg)	3,653 lb* (1 657 kg)*	1,954 lb (886 kg)	2,812 lb* (1 276 kg)*	1,507 lb (684 kg)	2,258 lb* (1 024 kg)*	1,223 lb (555 kg)			12 ft 8 in 3.86 m	1,920 lb* (871 kg)*	1,078 lb (489 kg)
-3 ft (-1.0 m)	4,635 lb* (2 102 kg)*	2,779 lb (1 261 kg)	3,432 lb* (1 557 kg)*	1,963 lb (890 kg)	2,658 lb* (1 206 kg)*	1,513 lb (686 kg)	2,057 lb* (933 kg)*	1,233 lb (559 kg)			11 ft 8 in 3.56 m	1,977 lb* (897 kg)*	1,209 lb (548 kg)
-5 ft (-1.5 m)	3,954 lb* (1 794 kg)*	2,814 lb (1 276 kg)	2,956 lb* (1 341 kg)*	1,990 lb (903 kg)	2,204 lb* (1 000 kg)*	1,540 lb (699 kg)					10 ft 2 in 3.11 m	2,017 lb* (915 kg)*	1,471 lb (667 kg)
-7 ft (-2 m)	2,697 lb* (1 223 kg)*	2,697 lb* (1 223 kg)*									7 ft 10 in 2.40 m	1,960 lb* (889 kg)*	1,960 lb* (889 kg)*

\*Indicates load limited by hydraulic capacity

4 ft 7 in (1.40 m) Arm, Dozer Blade Down

Load (Lift Point) Height	7 ft (2 m)		8 ft (2.5 m)		10 ft (3 m)		12 ft (3.5 m)		13 ft (4 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+10 ft (3 m)							1,393 lb* (632 kg)*	1,343 lb (609 kg)			12 ft 5 in 3.78 m	1,506 lb* (683 kg)*	1,179 lb (535 kg)
+8 ft (2.5 m)							1,413 lb* (641 kg)*	1,336 lb (606 kg)	1,502 lb* (681 kg)*	1,076 lb (488 kg)	13 ft 4 in 4.06 m	1,525 lb* (692 kg)*	1,046 lb (474 kg)
+7 ft (2 m)					1,585 lb* (719 kg)*	1,585 lb* (719 kg)*	1,534 lb* (696 kg)*	1,315 lb (596 kg)	1,524 lb* (691 kg)*	1,069 lb (485 kg)	13 ft 11 in 4.25 m	1,554 lb* (705 kg)*	968 lb (439 kg)
+5 ft (1.5 m)			2,276 lb* (1 032 kg)*	2,128 lb (965 kg)	1,907 lb* (865 kg)*	1,619 lb (734 kg)	1,714 lb* (777 kg)*	1,288 lb (584 kg)	1,612 lb* (731 kg)*	1,054 lb (478 kg)	14 ft 4 in 4.36 m	1,590 lb* (721 kg)*	921 lb (418 kg)
+3 ft (1 m)			2,908 lb* (1 319 kg)*	2,042 lb (926 kg)	2,253 lb* (1 022 kg)*	1,570 lb (712 kg)	1,915 lb* (869 kg)*	1,258 lb (571 kg)	1,721 lb* (781 kg)*	1,036 lb (470 kg)	14 ft 5 in 4.40 m	1,632 lb* (740 kg)*	901 lb (409 kg)
+2 ft (0.5 m)			3,381 lb* (1 534 kg)*	1,979 lb (898 kg)	2,547 lb* (1 155 kg)*	1,528 lb (693 kg)	2,095 lb* (950 kg)*	1,231 lb (558 kg)	1,822 lb* (826 kg)*	1,021 lb (463 kg)	14 ft 4 in 4.36 m	1,679 lb* (762 kg)*	903 lb (410 kg)
Groundline	5,294 lb* (2 401 kg)*	2,727 lb (1 237 kg)	3,625 lb* (1 644 kg)*	1,944 lb (882 kg)	2,737 lb* (1 241 kg)*	1,501 lb (680 kg)	2,218 lb* (1 006 kg)*	1,213 lb (550 kg)	1,881 lb* (853 kg)*	1,010 lb (458 kg)	14 ft 0 in 4.26 m	1,733 lb* (786 kg)*	929 lb (421 kg)
-2 ft (-0.5 m)	5,175 lb* (2 347 kg)*	2,726 lb (1 236 kg)	3,666 lb* (1 663 kg)*	1,931 lb (876 kg)	2,801 lb* (1 271 kg)*	1,488 lb (675 kg)	2,255 lb* (1 023 kg)*	1,203 lb (546 kg)	1,853 lb* (840 kg)*	1,008 lb (457 kg)	13 ft 4 in 4.07 m	1,790 lb* (812 kg)*	986 lb (447 kg)
-3 ft (-1.0 m)	4,855 lb* (2 202 kg)*	2,740 lb (1 243 kg)	3,525 lb* (1 599 kg)*	1,935 lb (878 kg)	2,719 lb* (1 233 kg)*	1,488 lb (675 kg)	2,158 lb* (979 kg)*	1,206 lb (547 kg)			12 ft 5 in 3.79 m	1,850 lb* (839 kg)*	1,089 lb (494 kg)
-5 ft (-1.5 m)	4,294 lb* (1 948 kg)*	2,769 lb (1 256 kg)	3,167 lb* (1 437 kg)*	1,954 lb (886 kg)	2,425 lb* (1 100 kg)*	1,505 lb (683 kg)					11 ft 1 in 3.39 m	1,904 lb* (864 kg)*	1,283 lb (582 kg)
-7 ft (-2 m)	3,312 lb* (1 502 kg)*	2,824 lb (1 281 kg)	2,404 lb* (1 090 kg)*	2,000 lb (907 kg)							9 ft 1 in 2.78 m	1,923 lb* (872 kg)*	1,724 lb (782 kg)

\*Indicates load limited by hydraulic capacity

## STANDARD EQUIPMENT

### ENGINE

Kubota D1703-M diesel engine - Tier 4 Final/ Stage V compliant  
Dry air filter with drain valve and electric anti-clogging indicator  
Glow plugs for cold weather starting

### ELECTRICAL

12-volt electrical system  
Heavy-duty battery  
Battery disconnect switch  
Auxiliary power socket next to operator  
Auxiliary power socket on roof for beacon  
Key start switch  
Horn  
Travel alarm  
MyCASEConstruction Telematics  
Includes hardware and 7-year data subscription

### UPPER STRUCTURE

Zero tail swing (with standard counterweight)  
Short arm with thumb bracket  
Pin-on bucket  
Swing boom  
Open canopy with ROPS/TOPS/FOPS Level 1  
LED work lights  
Standard counterweight  
Bucket linkage with lifting hook  
Tilttable operator station

### HYDRAULICS

Variable displacement hydraulic pump  
High flow 1-1/2-way auxiliary hydraulics (AUX1)  
Low flow 2-way auxiliary hydraulics (AUX2)  
Attachment quick coupler auxiliary hydraulics (2-way I double effect)  
Control pattern selector valve (ISO/SAE)  
Cylinder guard on boom and dozer blade cylinders  
Mineral based hydraulic oil and lubricants  
AUX1 1-1/2-way flow manual selection valve

### UNDERCARRIAGE & TRACK DRIVE

Rubber belt tracks  
2-speed travel with auto shift down/up  
Fully hydrostatic drive system  
Sealed and lubricated track rollers  
Hydraulically adjustable track tensioner (with grease)  
Dozer blade with float

### OPERATOR ENVIRONMENT

Adjustable mechanical suspension vinyl seat with seat belt  
Travel levers with foldable foot pedals  
Pilot controlled joysticks for boom, arm, bucket, and boom swing with electro-hydraulic proportional controls for boom swing, AUX1, AUX2, and AUX3  
Blade control lever  
Engine throttle lever  
Digital cluster with warning light indicators  
Visual indicators  
Ignition key that opens all machine panel locks  
Operator's manual compartment  
Adjustable arm rests  
Cup holder  
Footrests

### WARRANTY

Base warranty coverage: 2-Year/ 3,000-Hour  
Full Machine Limited Warranty

## OPTIONAL EQUIPMENT

### ENGINE

Electric engine RPM and idle control

### ELECTRICAL

Electric refuel pump with auto-stop function

### UPPER STRUCTURE

Long arm with thumb bracket  
Full range of attachment quick couplers  
Full range of buckets  
Hydraulic thumb  
Biodegradable hydraulic oil and lubricants  
Anti-theft system  
Additional bolt-on counterweight  
Front protection guard (Level 2)  
Enclosed cab with ROPS/TOPS/FOPS Level 1  
LED beacon

### HYDRAULICS

Low flow 2-way auxiliary hydraulics (AUX3)  
Direct drain to tank auxiliary circuit  
Object handling kit with hose burst check valves on boom and arm and overload indicator light  
Blade safety hose burst check valve  
High constant flow 1-way mulching head auxiliary hydraulics  
Automatic centralized lubrication  
Attachment quick coupler auxiliary hydraulics (1-way I single effect)  
AUX1 hydraulic flow control

### UNDERCARRIAGE & TRACK DRIVE

Steel tracks

### OPERATOR ENVIRONMENT

Adjustable mechanical suspension fabric seat with seat belt  
Rear view mirrors  
Windshield wiper and washer  
Automatic courtesy light (in-cab)  
2-piece overhead stowable windshield  
Slide right side window  
Radio & Speakers

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Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE202512CX34D

Replaces Form No. CCE202505CX34D

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4 of 4