

E38D

MINI EXCAVATOR



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	0.42 gal (1.6 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	12 volts
Battery reserve capacity	80 Ah
Work lights	Boom and roof

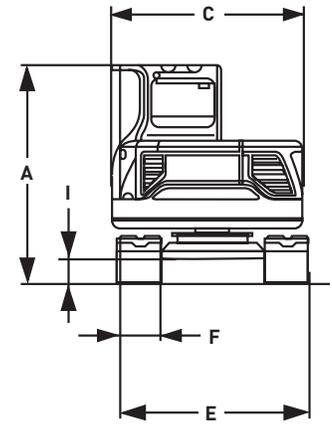
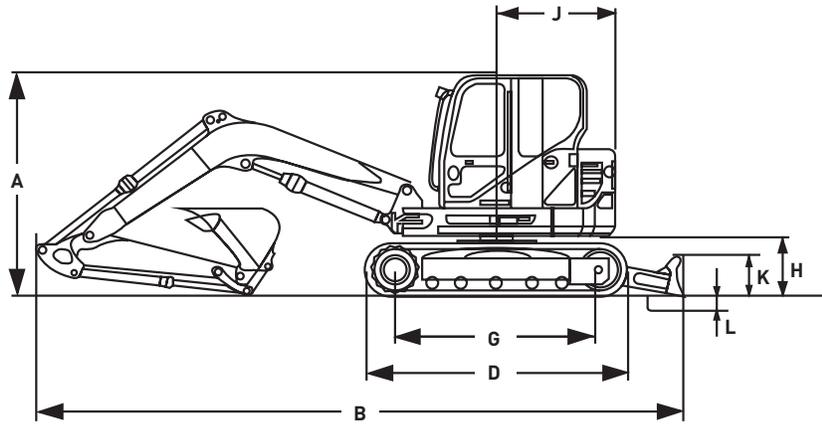
OPERATOR ENVIRONMENT	
Boom, arm, bucket and swing	
	2 x pilot joysticks
Tracks	2 x pilot levers
Dozer blade	1 x pilot lever
AUX 1	1- or 2-way flow
Electric proportional switch on right joystick	
AUX 2	2 way flow
Electric proportional switch on right joystick	
Boom swing	
Electric proportional switch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

OPERATING WEIGHT	
Canopy operating weight with rubber tracks	
	8333 lb (3780 kg)
Cab operating weight with rubber tracks	
	8620 lb (3910 kg)

HYDRAULICS	
Type	Open Center
Pump type	1 x LS variable pump
Max. rated flow total	26.7 gpm (101 L/min)
Max. system pressure	3771 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	

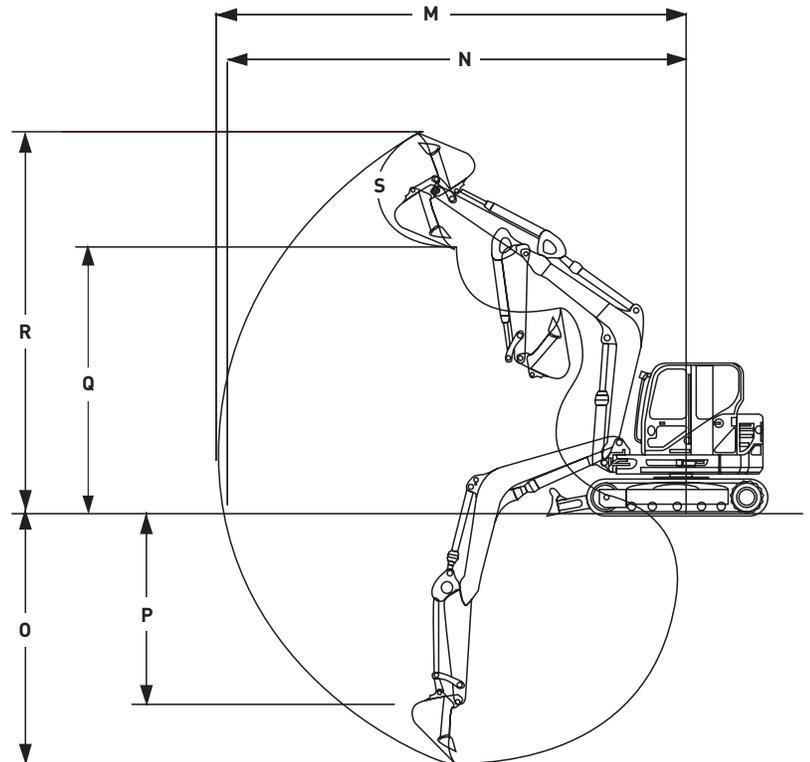
SERVICE CAPACITIES	
Fuel tank	12.9 gal (49 L)
Hydraulic oil tank	8.8 gal (33.5 L)
Hydraulic circuit capacity	14.3 gal (54 L)
Cooling system capacity	2.1 gal (8 L)
Engine oil	1.7 gal (6.3 L)





DIMENSIONS	
Arm Length	4 ft 7 in (1.40 m) Arm
A Overall height	8 ft 3 in (2520 mm)
B Overall transport length	16 ft 1 in (4900 mm)
C Width of upper structure	5 ft 5 in (1640 mm)
D Track overall length	7 ft 1 in (2155 mm)
E Track overall width	5 ft 7 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	11.2 in (286 mm)
J Tail swing radius:	
Standard counterweight	2 ft 9 in (850 mm)
Additional counterweight	3 ft 2 in (966 mm)
Additional counterweight - heavy	3 ft 4 in (1020 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 7 in (1700 mm)



PERFORMANCE SPECS		
Arm Length	4 ft 7 in (1.40 m) Arm	5 ft 5 in (1.65 m) Arm
M Maximum dig radius	16 ft 10 in (5120 mm)	17 ft 7 in (5360 mm)
N Dig radius at groundline	16 ft 5 in (5000 mm)	17 ft 3 in (5250 mm)
O Maximum dig depth	10 ft 1 in (3070 mm)	10 ft 11 in (3320 mm)
P Vertical straight wall dig depth	8 ft 2 in (2480 mm)	8 ft 11 in (2730 mm)
Q Dump height	10 ft 7 in (3230 mm)	11 ft 1 in (3380 mm)
R Overall reach height	14 ft 11 in (4550 mm)	15 ft 5 in (4690 mm)
S Bucket rotation	197°	197°
Arm digging force - ISO	3552 lbf (15.8 kN)	3327 lbf (14.1 kN)
Bucket digging force - ISO	6812 lbf (30.3 kN)	6812 lbf (30.3 kN)

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

E38D MINI EXCAVATOR SPECIFICATIONS

LIFT CAPACITIES													
4 ft 7 in (1.40 m) Arm, Dozer Blade Down													
Load (Lift Point) Height	Load Radius										Maximum Reach		
	7 ft (2 m)		8 ft (2.5 m)		10 ft (3 m)		12 ft (3.5 m)		13 ft (4 m)		Reach	Capacity	
	End	Side	End	Side	End	Side	End	Side	End	Side	∅	End	Side
+10 ft (3 m)							1604 lb* (728 kg)*	1604 lb* (728 kg)*			12 ft 5 in (3.78 m)	1735 lb* (787 kg)*	1547 lb (702 kg)
+8 ft (2.5 m)							1627 lb* (738 kg)*	1627 lb* (738 kg)*	1732 lb* (786 kg)*	1416 lb (642 kg)	13 ft 4 in (4.06 m)	1759 lb* (798 kg)*	1380 lb (626 kg)
+7 ft (2 m)					1823 lb* (827 kg)*	1823 lb* (827 kg)*	1767 lb* (801 kg)*	1724 lb (782 kg)	1758 lb* (797 kg)*	1409 lb (639 kg)	13 ft 11 in (4.25 m)	1792 lb* (813 kg)*	1282 lb (582 kg)
+5 ft (1.5 m)			2614 lb* (1186 kg)*	2614 lb* (1186 kg)*	2195 lb* (996 kg)*	2127 lb (965 kg)	1975 lb* (896 kg)*	1695 lb (769 kg)	1859 lb* (843 kg)*	1394 lb (632 kg)	14 ft 4 in (4.36 m)	1834 lb* (832 kg)*	1225 lb (556 kg)
+3 ft (1 m)			3341 lb* (1515 kg)*	2712 lb (1230 kg)	2592 lb* (1176 kg)*	2076 lb (942 kg)	2206 lb* (1001 kg)*	1665 lb (755 kg)	1985 lb* (900 kg)*	1376 lb (624 kg)	14 ft 5 in (4.40 m)	1883 lb* (854 kg)*	1201 lb (545 kg)
+2 ft (0.5 m)			3886 lb (1763 kg)*	2646 lb (1200 kg)	2930 lb* (1329 kg)*	2034 lb (923 kg)	2413 lb* (1095 kg)*	1638 lb (743 kg)	2101 lb* (953 kg)*	1360 lb (617 kg)	14 ft 4 in (4.36 m)	1938 lb* (879 kg)*	1206 lb (547 kg)
Groundline	6077 lb* (2756 kg)*	3703 lb (1680 kg)	4166 lb (1890 kg)*	2610 lb (1184 kg)	3149 lb* (1428 kg)*	2006 lb (910 kg)	2556 lb* (1159 kg)*	1619 lb (734 kg)	2170 lb* (984 kg)*	1349 lb (612 kg)	14 ft 0 in (4.26 m)	2000 lb* (907 kg)*	1242 lb (563 kg)
-2 ft (-0.5 m)	5942 lb* (2695 kg)*	3701 lb (1679 kg)	4215 lb* (1912 kg)*	2597 lb (1178 kg)	3223 lb* (1462 kg)*	1992 lb* (904 kg)	2599 lb* (1179 kg)*	1609 lb (730 kg)	2138 lb* (970 kg)*	1347 lb (611 kg)	13 ft 4 in (4.07 m)	2067 lb* (938 kg)*	1317 lb (597 kg)
-3 ft (-1.0 m)	5580 lb* (2531 kg)*	3715 lb (1685 kg)	4054 lb* (1839 kg)*	2601 lb (1180 kg)	3131 lb* (1420 kg)*	1993 lb (904 kg)	2489 lb* (1129 kg)*	1612 lb (731 kg)			12 ft 5 in (3.79 m)	2136 lb* (969 kg)*	1454 lb (660 kg)
-5 ft (-1.5 m)	4941 lb* (2241 kg)*	3746 lb (1699 kg)	3648 lb* (1655 kg)*	2621 lb (1189 kg)	2796 lb* (1268 kg)*	2010 lb (912 kg)					11 ft 1 in (3.39 m)	2201 lb* (998 kg)*	1708 lb (775 kg)
-7 ft (-2 m)	3824 lb* (1735 kg)*	3804 lb (1725 kg)	2778 lb* (1260 kg)*	2668 lb (1210 kg)							9 ft 1 in (2.78 m)	2227 lb* (1010 kg)*	2227 lb* (1010 kg)*

*Indicates load limited by hydraulic capacity

5 ft 5 in (1.65 m) Arm, Dozer Blade Down															
Load (Lift Point) Height	Load Radius										Maximum Reach				
	7 ft (2 m)		8 ft (2.5 m)		10 ft (3 m)		12 ft (3.5 m)		13 ft (4 m)		15 ft (4.5 m)		Reach	Capacity	
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	∅	End	Side
+10 ft (3 m)							1344 lb* (610 kg)*	1344 lb* (610 kg)*	1540 lb* (699 kg)*	1420 lb (644 kg)			13 ft 4 in (4.06 m)	1577 lb* (715 kg)*	1382 lb (627 kg)
+8 ft (2.5 m)							1401 lb* (635 kg)*	1401 lb* (635 kg)*	1505 lb* (683 kg)*	1420 lb (644 kg)			14 ft 2 in (4.32 m)	1604 lb* (728 kg)*	1251 lb (567 kg)
+7 ft (2 m)					1543 lb* (700 kg)*	1543 lb* (700 kg)*	1558 lb* (707 kg)*	1558 lb* (707 kg)*	1576 lb* (715 kg)*	1408 lb (639 kg)	1639 lb* (743 kg)*	1170 lb (531 kg)	14 ft 9 in (4.50 m)	1639 lb* (743 kg)*	1170 lb (531 kg)
+5 ft (1.5 m)			2182 lb* (990 kg)*	2182 lb* (990 kg)*	1925 lb* (873 kg)*	1925 lb* (873 kg)*	1782 lb* (808 kg)*	1695 lb (769 kg)	1701 lb* (772 kg)*	1390 lb (630 kg)	1674 lb* (759 kg)*	1163 lb (528 kg)	15 ft 1 in (4.60 m)	1681 lb* (762 kg)*	1123 lb (509 kg)
+3 ft (1 m)			2960 lb* (1343 kg)*	2731 lb (1239 kg)	2355 lb* (1068 kg)*	2080 lb (943 kg)	2036 lb* (924 kg)*	1662 lb (754 kg)	1852 lb* (840 kg)*	1369 lb (621 kg)	1745 lb* (792 kg)*	1152 lb (523 kg)	15 ft 3 in (4.64 m)	1728 lb* (784 kg)*	1102 lb (500 kg)
+2 ft (0.5 m)	5508 lb* (2498 kg)*	3742 lb (1697 kg)	3612 lb* (1638 kg)*	2650 lb (1202 kg)	2745 lb* (1245 kg)*	2031 lb (921 kg)	2278 lb* (1033 kg)*	1630 lb (740 kg)	1997 lb* (906 kg)*	1349 lb (612 kg)	1813 lb* (822 kg)*	1141 lb (518 kg)	15 ft 1 in (4.60 m)	1780 lb* (807 kg)*	1105 lb (501 kg)
Groundline	5968 lb* (2707 kg)*	3685 lb (1671 kg)	4017 lb* (1822 kg)*	2600 lb (1179 kg)	3029 lb* (1374 kg)*	1994 lb (904 kg)	2464 lb* (1118 kg)*	1605 lb (728 kg)	2108 lb* (956 kg)*	1333 lb (605 kg)	1839 lb* (834 kg)*	1133 lb (514 kg)	14 ft 9 in (4.50 m)	1839 lb* (834 kg)*	1133 lb (514 kg)
-2 ft (-0.5 m)	6023 lb* (2732 kg)*	3667 lb (1663 kg)	4183 lb* (1897 kg)*	2575 lb (1168 kg)	3178 lb* (1442 kg)*	1973 lb (895 kg)	2565 lb* (1163 kg)*	1590 lb (721 kg)	2149 lb* (975 kg)*	1325 lb (601 kg)			14 ft 2 in (4.33 m)	1903 lb* (863 kg)*	1192 lb (541 kg)
-3 ft (-1.0 m)	5807 lb* (2634 kg)*	3672 lb (1666 kg)	4135 lb* (1876 kg)*	2570 lb (1166 kg)	3173 lb* (1439 kg)*	1967 lb (892 kg)	2545 lb* (1154 kg)*	1586 lb (719 kg)	2055 lb* (932 kg)*	1328 lb (602 kg)			13 ft 4 in (4.07 m)	1973 lb* (895 kg)*	1298 lb (589 kg)
-5 ft (-1.5 m)	5323 lb* (2414 kg)*	3696 lb (1676 kg)	3866 lb* (1754 kg)*	2582 lb (1171 kg)	2976 lb* (1350 kg)*	1975 lb (896 kg)	2325 lb* (1055 kg)*	1597 lb (724 kg)					12 ft 2 in (3.71 m)	2046 lb* (928 kg)*	1483 lb (673 kg)
-7 ft (-2 m)	4472 lb* (2028 kg)*	3740 lb (1696 kg)	3276 lb* (1486 kg)*	2615 lb (1186 kg)	2434 lb* (1104 kg)*	2006 lb (910 kg)							10 ft 5 in (3.18 m)	2111 lb* (958 kg)*	1853 lb (841 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
- Electric engine RPM and idle control

Electrical

- Electric refuel pump with auto-stop function
- 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
- Radio & Speakers
- Horn
- Travel alarm
- myNewHollandConstruction Telematics –includes hardware and a 7-year advanced data subscription

Upper Structure

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

Hydraulics

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

- A/C and heating
- 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
- Automatic courtesy light (in-cab)
- Windshield wiper and washer
- 2-piece overhead stowable windshield
- Slide right side window
- Adjustable arm rests
- Cup holder
- Foot rests
- Rear view mirrors

Optional Equipment

Upper Structure

- Short arm with thumb bracket
- Multi-pin grabber coupler
- Full range of buckets
- Hydraulic thumb
- Bio degradable hydraulic oil and lubricants
- Additional bolt-on counterweight
- Open canopy with ROPS/TOPS/FOPS Level 1
- LED beacon

Hydraulics

- Low flow 2-way auxiliary hydraulics (AUX3)
- 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

Undercarriage & Track Drive

- Steel tracks
- 6-way dozer blade with cutting edge, float and dual side foldable extensions

*Removes dozer blade float feature



New Holland Construction
500 Diller Ave.
New Holland, PA 17557

Learn more at www.newholland.com



Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

© 2025 CNH Industrial America LLC. All rights reserved. New Holland is a trademark in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. Any trademarks referred to herein, in association with goods and/or services of companies other than CNH America LLC, are the property of those respective companies.



Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place. This is a one-person machine. Never allow riders in the cab, outside the machine, or in/on any bucket or attachment.

NHC713025826 • 0925 • OTP • PRINTED IN U.S.A.