

E12D

MINI EXCAVATOR



ENGINE	
Model	Kubota D722
Emissions certification	Tier 4 Final / Stage V
Net horsepower - SAE J1349 @ 2300 RPM:	11.8 hp (8.8 kW)
Displacement	0.19 gal (0.719 L)
Cylinders	3-cylinder in line
Cooling	Liquid

DRIVETRAIN	
Travel speeds – 2-speed travel w/ auto-shift:	
1st	1.1 mph (1.8 kph)
2nd	2.4 mph (3.8 kph)

ELECTRICAL	
Voltage	12 volts
Alternator rating	40 amp
Battery	1 x 12 volts
Battery reserve capacity	45 Ah
Work lights	1 x boom / 1 x roof

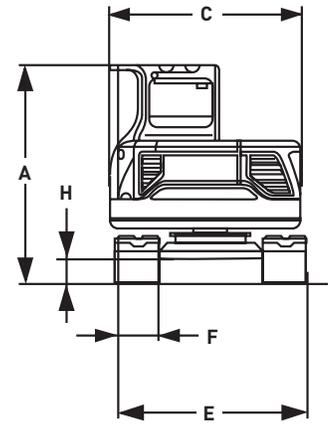
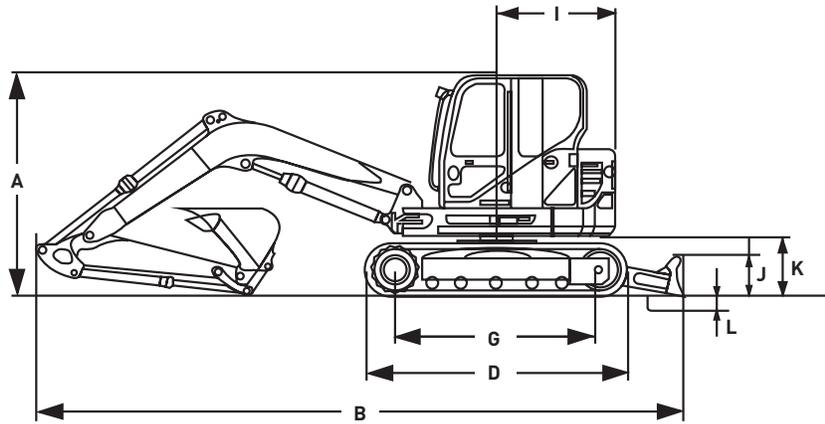
OPERATOR ENVIRONMENT	
Boom, arm, bucket and swing	2 x pilot joysticks
Tracks	2 x pilot levers
Dozer blade	1 x pilot lever
AUX 1	1- or 2-way flow
Electric proportional switch on right joystick	
AUX 2	2 way flow
Electric proportional switch on left joystick	
Boom swing	
Electric proportional switch on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

OPERATING WEIGHT	
Canopy operating weight with rubber tracks:	2932 lb (1330 kg)

HYDRAULICS	
Type	Open Center
Pump type	2 x gear pumps
Max. rated flow total	6.9 gpm (26 L/min)
Max. system pressure	2393 psi (165 bar)
AUX 1 rated flow @ 205 bar	6.9 gpm (26 L/min)
AUX 2 rated flow @ 205 bar	3.2 gpm (12 L/min)
Slew speed	9.5 rpm
2nd Auxiliary (AUX 2) circuit with Electro-Hydraulic proportional control	

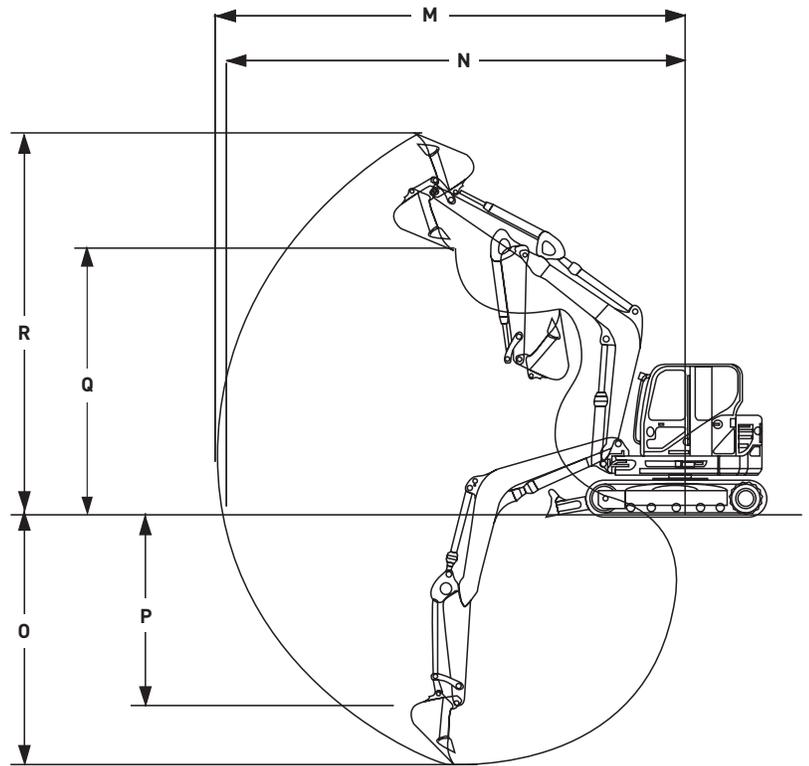
SERVICE CAPACITIES	
Fuel tank	3.8 gal (14.5 L)
Hydraulic oil tank	2.5 gal (9.5 L)
Hydraulic circuit capacity	4 gal (15 L)
Cooling system capacity	1.6 gal (6 L)
Engine oil	0.48 gal (1.8 L)





DIMENSIONS	
Arm Length	2 ft 11 in (0.90 m)
A Overall height	7 ft 7 in (2300 mm)
B Overall transport length	11 ft 3 in (3425 mm)
C Width of upper structure	2 ft 6 in (758 mm)
D Track overall length	4 ft 8 in (1434 mm)
E Track overall width	2 ft 7 in (790 mm)
F Track shoe width	7 in (180 mm)
G Center to center – idler to sprocket	3 ft 7 in (1100 mm)
H Minimum ground clearance	6 in (145 mm)
I Tail swing radius:	
Standard counterweight	1 ft 9 in (525 mm)
Boom swing	60° left / 70° right
Tail swing overhang:	
Standard counterweight	0 in (0 mm)

BLADE SPECS	
J Backfill blade height	9 in (220 mm)
K Backfill blade rise above ground	9 in (220 mm)
L Backfill blade dig depth	9 in (225 mm)
Backfill blade width	2 ft 7 in (790 mm)



PERFORMANCE SPECS		
Arm Length	2 ft 11 in (0.90 m)	3 ft 4 in (1.02 m)
M Maximum dig radius	11 ft 3 in (3440 mm)	11 ft 8 in (3545 mm)
N Dig radius at groundline	11 ft 2 in (3400 mm)	11 ft 6 in (3505 mm)
O Maximum dig depth	6 ft 1 in (1860 mm)	6 ft 6 in (1980 mm)
P Vertical straight wall dig depth	5 ft 2 in (1580 mm)	5 ft 9 in (1745 mm)
Q Dump height	7 ft (2130 mm)	7 ft 3 in (2215 mm)
R Overall reach height	9 ft 8 in (2940 mm)	9 ft 11 in (3025 mm)
Arm digging force – ISO	1551 lbf (6.9 kN)	1551 lbf (6.9 kN)
Bucket digging force – ISO	2585 lbf (11.5 kN)	2585 lbf (11.5 kN)

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

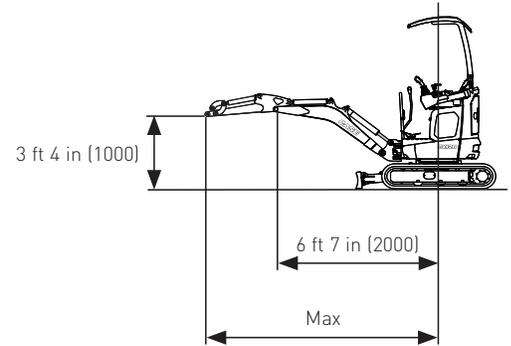
E12D MINI EXCAVATOR SPECIFICATIONS

Standard arm L = 2 ft 11 in (900)
Long arm L = 3 ft 4 in (1020)

Opening arm from the rotation's center ft-in (mm)
Lifting capacity in lb (kg) at 3 ft 4 in (1000) height

LIFTING CAPACITY		
	6 ft 7 in (2000 mm)	Max
Frontal and lowered dozer blade	582.4 [264.2]	313.6 [142.2]
Frontal and lifted dozer blade	582.4 [264.2]	313.6 [142.2]
Frontal and lifted dozer blade	560 [254]	268.8 [122]

The lifting capacity is based on the ISO 10567 and it does not exceed more than the 75% of static tipping load or more than the 87% of the hydraulic lifting capacity of the machine.



Standard Equipment

Engine

- Kubota D722 diesel engine - Tier 4 Final/ Stage V compliant
- Glow plugs for cold weather starting

Electrical

- 12-volt battery
- 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
- myNewHollandConstruction Telematics –includes hardware and a 7-year advanced data subscription

Upper Structure

- Zero tail swing (with standard counterweight)
- Standard arm
- Pin-on bucket
- Swing boom
- Foldable rollover ROPS/TOPS with plastic roof cover
- LED work lights
- Standard counterweight
- Semi-tilting operator station

Hydraulics

- High flow 1-/2-way auxiliary hydraulics (Aux 1)
- Low flow 2-way auxiliary hydraulics (Aux 2)
- Control pattern selector valve (ISO/SAE)
- Cylinder guard on boom and dozer blade cylinders
- Hydraulic variable flow rate pump
- Mineral based hydraulic oil and lubricants

UNDERCARRIAGE & TRACK DRIVE

- Rubber belt tracks
- Retractable tracks/undercarriage
- 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 dual side foldable extensions

Operator Environment

- Adjustable vinyl seat with seat belt
- Travel levers with foot pedals
- Pilot controlled joysticks
- Blade control lever
- Engine throttle lever
- Warning light indicators
- Ignition key that opens all machine panel locks
- Operator's manual compartment
- Footrests

Optional Equipment

Hydraulics

- Attachment quick coupler auxiliary hydraulics (2-way | double effect)

Upper Structure

- Long arm
- Full range of attachment quick couplers
- Full range of buckets
- Hydraulic thumb
- Biodegradable hydraulic oil and lubricants
- Additional bolt-on counterweight
- LED beacon

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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.

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