

# MINI EXCAVATORS

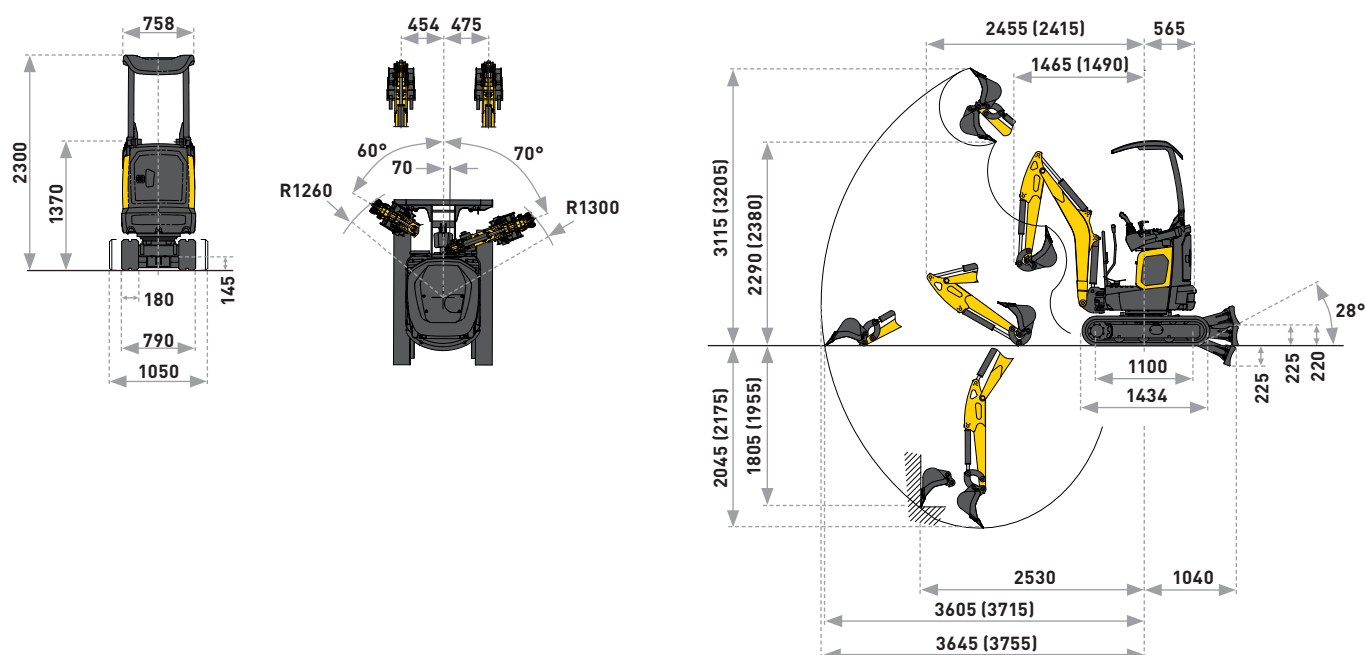
E14D



## Models

## E14D

Engine		
Type		Kubota D722 - Stage V
Max. Power (2200 rpm)	(kW/hp)	8.8/11.8
Displacement	(cm³)	719
Number of cylinders	(n°)	3
Cooling		Liquid
Consumption	(l/h)	1.8
Alternator	V (Ah)	12 (40)
Battery	V (Ah)	12 (45)
Hydraulic system		
Pump type		variable flow
Pump displacement	(cm³)	5.5 + 5.5
Pump capacity	(l/min)	28
Max. circuit calibration pressure	(bar)	200
Auxiliary system (max pressure):		
AUX 1 single or double effect	(l/min / bar)	28 / 200
AUX 2 - optional	(l/min / bar)	13 / 165
Slewing & travel speed		
Travelling speed (AUTO TWO SPEED)	(km/h)	1st : 0 ÷ 1.8 / 2nd : 0 ÷ 3.8
Slew speed	(rpm)	9.5
Controls		
Boom, dipper stick, bucket and turret swing		2 pilot joysticks
Track movements (included counter rotation)		2 pilot levers
Dozer blade		pilot lever
Auxiliary system with latch AUX 1 (single or double effect)		electroproportional switch on right joystick
Boom swing		electroproportional switch on left joystick
Weights		
Transport weight with roll-bar*	(kg)	1255
Transport weight with roll-bar and FOPS 1 roof*	(kg)	1280
Operating weight with roll-bar* ISO 6016	(kg)	1360
Operating weight with roll-bar and FOPS 1 roof* ISO 6016	(kg)	1385
* with rubber tracks		
Circuit and component capacities		
Fuel tank	(l)	14.5
Hydraulic oil tank	(l)	9.5
Hydraulic circuit capacity	(l)	15
Cooling system capacity	(l)	6
Engine oil	(l)	1.8



Performance data		Arm Std. 1020 mm	Arm Opt. 1150 mm
Max. digging depth	(mm)	2045	2175
Max. dumping height	(mm)	2290	2380
Bucket breaking force	(daN)	1150	
Arm breaking force ISO 6015	(daN)	630	
Traction force	(daN)	1000	
Ground bearing pressure with canopy (ABS roof)	(kg/cm <sup>2</sup> )	0.31	
Max. slope		60% - 30°	

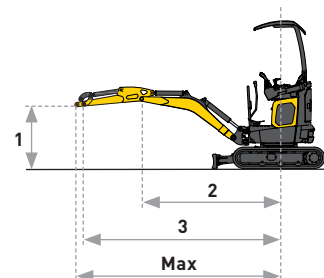
General dimensions		
Maximum width	(mm)	790 - 1050
Total height	(mm)	2300
Tracks width	(mm)	180
Rear rotation radius	(mm)	565
Digging arm length standard (optional)	(mm)	1020 (1150)
Rollers number (for each side)	(n°)	3

### Lifting capacity

Opening arm from the rotation's center (m). Lifting capacity (ton) at 1.0 m height	2	3	Max
Frontal and lowered dozer blade	0.30*	0.15*	0.14*
Frontal and lifted dozer blade	0.30*	0.15	0.13
Lateral, open undercarriage	0.28*	0.14	0.11

\* Indicates the hydraulic load limit.

Standard dipper stick L = 1020 mm  
(Optional dipper stick L = 1150 mm)



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

- Tilttable Roll-bar (ROPS/TOPS)
- Vinyl seat with Mechanical suspension (canopy)
- Standard arm
- Boom Lift cylinder and dozer blade cylinder protection
- Additional counterweight
- Servo-assisted hydraulic joysticks with Electro-Hydraulic proportional controls
- Electro-Hydraulic proportional Swing control
- 1st Auxiliary (AUX1) circuit with Electro-Hydraulic proportional control
- Mechanical diverter between Single effect and Double effect AUX1
- 2 speed travel with Automatic Shift Down (from 2nd to 1st gear if more traction is required) and Shift-up
- Rubber tracks
- Standard Dozer Blade
- Extendable undercarriage
- Operator manual
- Ignition key, which opens every machine lock
- Standard LED working lights (boom)
- Battery disconnect switch
- Variable Volume Pump
- Standard Hydraulic oil and Lubricants

### Optional equipment

- Roll-bar plastic cover (FOPS Level 1)
- Anti-Theft
- Travel alarm
- Long arm
- 2nd Auxiliary (AUX2) circuit with Electro-Hydraulic proportional control
- Extra LED working lights (roof)
- Rotating beacon
- Bio Hydraulic oil and Lubricants
- Mechanical quick couplers
- Buckets

### Aftermarket solutions

- Arm cylinder and bucket cylinder protection
- Vast variety of attachments
- Full range of Buckets
- Full range of Mechanical and Hydraulic quick couplers



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The data indicated in this folder are approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. BTS Adv. - Printed in Italy - 03/23 - (Turin) - 234002/COM