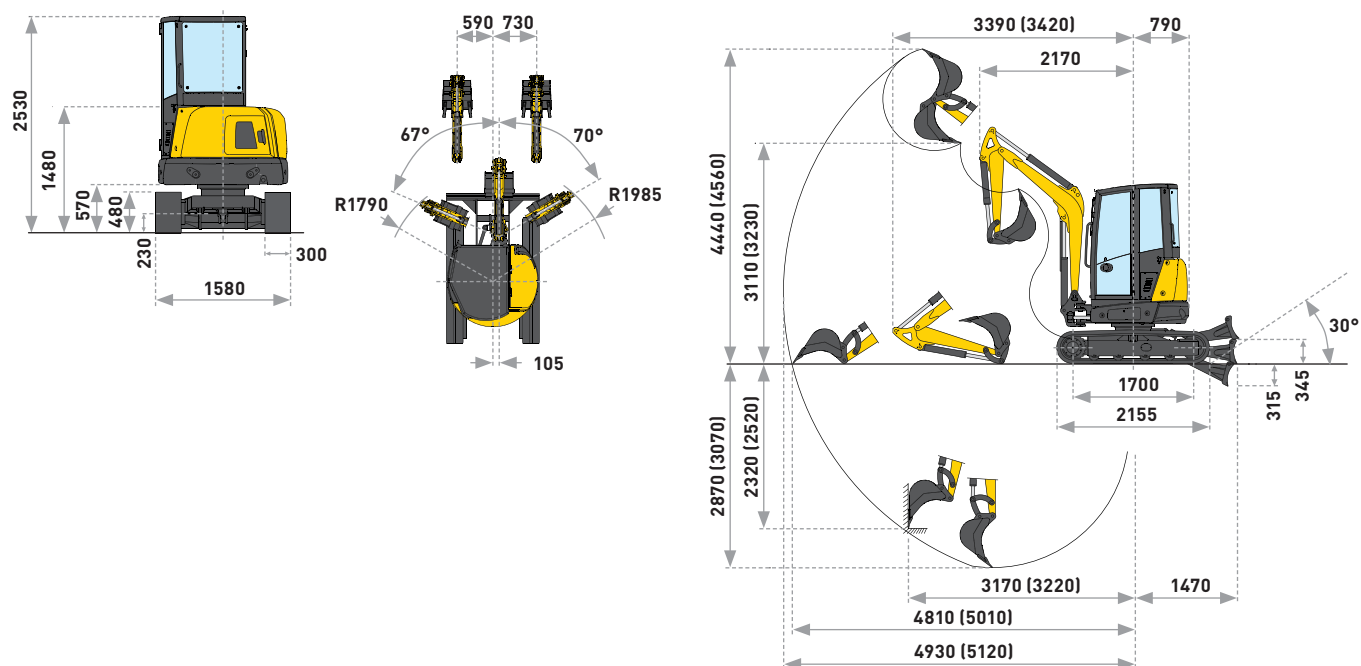


MINI EXCAVATORS

E35D



Models		E35D
Engine		
Type		Kubota D1703-M-DI-E4B - Stage V
Max. Power (2200 rpm)	(kW/hp)	18.2 - 24.7
Displacement	(cm³)	1647
Number of cylinders	(n°)	3
Cooling		Liquid
Consumption	(l/h)	3.5
Alternator	V (Ah)	12 (40)
Battery	V (Ah)	12 (74)
Hydraulic system		
Circuit Type		Load Sensing closed center system with "Flow Sharing" control valve
Pump type		1 LS variable pump + 1 gear pump
Pump displacement	(cm³)	48 + 5
Pump capacity	(l/min)	105 + 10
Max. circuit calibration pressure	(bar)	250
Auxiliary system (max pressure):		
AUX 1 single or double effect with priority	(l/min / bar)	50 / 200
AUX 2 double effect - optional	(l/min / bar)	35 / 20-250
AUX 3 double effect - optional	(l/min / bar)	35 / 20-250
Slewing & travel speed		
Travelling speed (AUTO TWO SPEED)	(km/h)	1st : 0 ÷ 2.5 / 2nd : 0 ÷ 4.6
Slew speed	(rpm)	11
Controls		
Boom, dipper stick, bucket and turret swing		2 pilot joysticks
Track movements (included counter rotation)		2 pilot levers
Dozer blade		pilot lever
Priority auxiliary system with holding function		
AUX 1 single or double effect		electroproportional switch on right joystick
Auxiliary system		
AUX 2 double effect		electroproportional switch on left joystick
Boom swing		electroproportional switch on left joystick
Weights		
Operating weight with canopy* ISO 6016	(kg)	3270
Operating weight with cabin* ISO 6016	(kg)	3400
Transport Weight with canopy	(kg)	3120
Transport Weight with cab	(kg)	3250
* with rubber tracks		
Circuit and component capacities		
Fuel tank	(l)	45
Hydraulic oil tank	(l)	30
Hydraulic circuit capacity	(l)	54
Cooling system capacity	(l)	7.5
Engine oil	(l)	7



Performance data		Arm Std. 1200 mm	Arm Opt. 1400 mm
Max. digging depth	(mm)	2870	3070
Max. dumping height	(mm)	3110	3230
Bucket breaking force	(daN)	3100	
Arm breaking force ISO 6015	(daN)	1750	
Traction force	(daN)	3400	
Ground bearing pressure with rubber tracks and canopy (with cabin)	(kg/cm ²)	0.33 [0.34]	
Max. slope		60% - 30°	

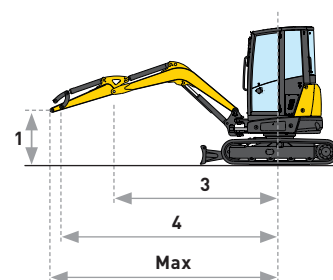
General dimensions		
Maximum width	(mm)	1580
Total height	(mm)	2530
Tracks width	(mm)	300
Rear rotation radius	(mm)	790
Digging arm length standard (optional)	(mm)	1200 (1400)
Rollers number (for each side)	(n°)	4/1

Lifting capacity

Opening arm from the rotation's center (mm). Lifting capacity (ton) at 1.0 m height	3	4	Max
Frontal and lowered dozer blade	870*	650*	630*
Frontal and lifted dozer blade	870*	650*	630*
Lateral, open undercarriage	690	470	430

* Indicates the hydraulic load limit.

Standard dipper stick L = 1200 mm
(Optional dipper stick L = 1400 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 Cab/Canopy (ROP/TOPS - FOPS Level 1)
- Automatic Courtesy light
- Electric socket on the roof for Rotating Beacon
- Windshield washer
- Rear-view mirrors (left, right)
- Fabric seat with Mechanical suspension (cab)
- Vinyl seat with Mechanical suspension (canopy)
- Standard arm
- Boom Lift cylinder and dozer blade cylinder protection
- Standard counterweight
- Air Filter with drain valve and electric anti-clogging indicator
- Servo-assisted hydraulic joysticks with Electro-Hydraulic proportional controls
- Electro-Hydraulic proportional Swing control
- 1st Auxiliary (AUX1) circuit with Electro-Hydraulic proportional control
- AUX1 circuit maximum flow mechanical setting
- 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
- 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

- Air conditioning and Heating
- DAB Radio, Bluetooth, USB, Memory card SD/SDHC, Aux-in (cab only)
- Anti-Theft
- Fabric seat with Pneumatic suspension (cab)
- Travel alarm
- Long arm
- Additional counterweight
- Electric fuel refill pump
- 2nd Auxiliary (AUX2) circuit with Electro-Hydraulic proportional control
- 3rd Auxiliary (AUX3) circuit with Electro-Hydraulic proportional control
- Grapple provision (AUX3 with flow diverter from bucket cylinder)
- Direct Drainage to tank
- Block valves on dozer blade cylinder
- Object handling kit (block valves on boom and arm, lifting hook and load chart)
- Steel tracks
- Dozer Float
- Extra LED working lights (cab-front and cab-rear)
- Rotating beacon
- Bio Hydraulic oil and Lubricants
- Automatic Centralized Lubrication
- High Flow provision (i.e. for Mulcher): max constant flow of 31 l/min at 180 bar
- Hydraulic quick coupler provision (Single or Double Effect)
- Mechanical and Hydraulic quick couplers
- Buckets

Aftermarket solutions

- Superior Protection grid (FOPS Level 2)
- Front Protection grid (Level 2)
- Arm cylinder and bucket cylinder protection
- Rubber pads for steel tracks
- Vast variety of attachments
- Full range of Mechanical and Hydraulic quick couplers
- Full range of Buckets



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