

**Engine D1503-M**

**Engine power 24,9 kW - 33,4 HP**

**Operating Weight 2.700 - 2.850 kg**

**ES28.2ZT**

**Concrete solutions. Always**



# TECHNICALS SPECIFICATIONS

|   |      |   |
|---|------|---|
| Operating weight with canopy (with rubber tracks) | kg   | 2.700   |
| Operating weight with cabin (with rubber tracks)  | kg   | 2.850   |
| Travelling speed (AUTO TWO SPEED)                 | km/h | 1 <sup>o</sup> : 0 ÷ 2,5 / 2 <sup>o</sup> : 0 ÷ 4,6 |
| Slew speed  | rpm  | 10  |

## ENGINE

|                       |                |             |
|-----------------------|----------------|-------------|
| Type                  | KUBOTA D1503-M |             |
| Max Power (2.200 rpm) | kW - HP        | 24,9 - 33,4 |
| Displacement          | cc             | 1.499       |
| Number of cylinders   | n°             | 3           |
| Cooling               | water          |             |
| Consumption           | lt/h           | 4,6         |
| Alternator            | V (A)          | 12 (40)     |
| Battery               | V (Ah)         | 12 (80)     |

## 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                 | cc  | 48 + 5   |
| Pump capacity                     | lt/min  | 105 + 10 |
| Max. circuit calibration pressure | bar   | 250      |
| Auxiliary system: Max capacity    | lt/min  | 50       |
| Max pressure                      | bar   | 200      |

## PERFORMANCES

|  |                    |               |
|--|--------------------|---------------|
| Max digging depth standard arm (optional arm)                      | mm                 | 2.570 (2.770) |
| Max dumping height with cab standard arm (optional arm)            | mm                 | 3.040 (3.165) |
| Bucket breaking force (standard arm) ISO 6015                      | daN                | 2.400         |
| Arm breaking force (standard arm) ISO 6015                         | daN                | 1.950         |
| Traction force   | daN                | 3.400         |
| Ground bearing pressure with rubber tracks and canopy (with cabin) | kg/cm <sup>2</sup> | 0,29 (0,31)   |
| Max slope  | 60° - 30°          |               |

## DIMENSIONS

|                                   |    |               |
|-----------------------------------|----|---------------|
| Maximum width                     | mm | 1.550         |
| Total height                      | mm | 2.530         |
| Rear rotation radius              | mm | 772           |
| Digging arm length std (optional) | mm | 1.110 (1.310) |
| Tracks width                      | mm | 280           |
| Rollers number (for each side)    | n° | 4/1           |

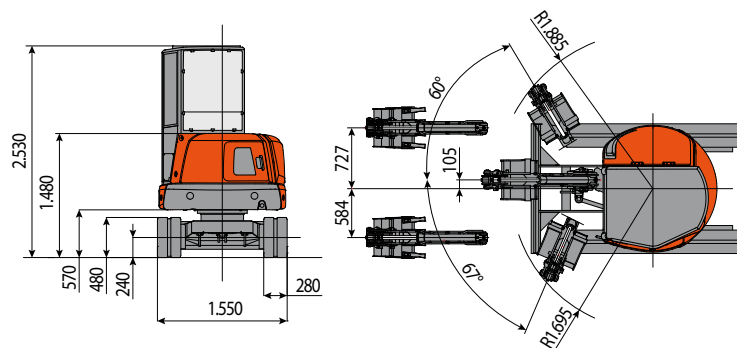
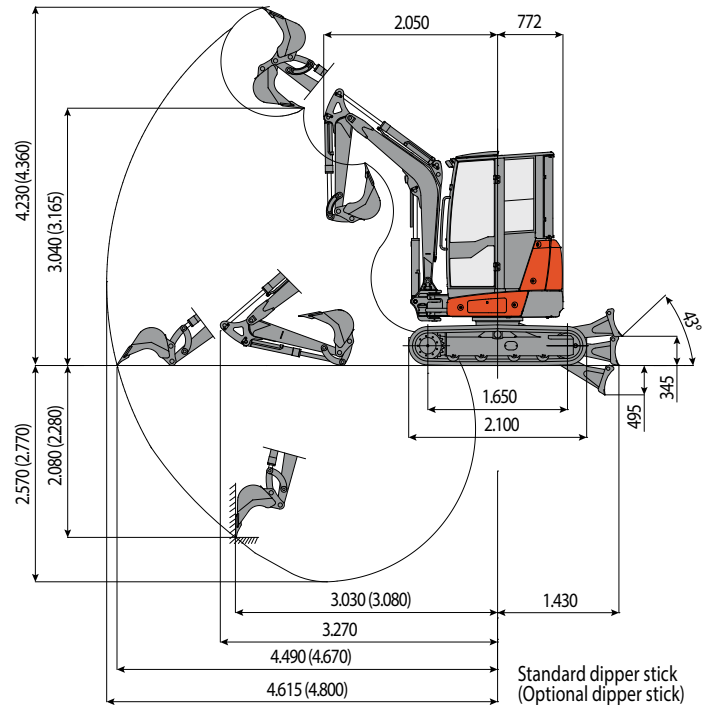
## FILLINGS

|                            |    |     |
|----------------------------|----|-----|
| Fuel tank                  | lt | 46  |
| Hydraulic oil tank         | lt | 30  |
| Hydraulic circuit capacity | lt | 54  |
| Cooling system capacity    | lt | 7,5 |
| Engine oil                 | lt | 7   |

## CONTROLS

|   |  |
|---|--|
| Boom, dipper stick, bucket and turret swing | 2 pilot joysticks                            |
| Tracks movement (included counter rotation) | 2 pilot levers                               |
| Dozer blade                                 | pilot lever                                  |
| Auxiliary circuit (simple or double effect) | electroproportional switch on right joystick |
| Boom swing                                  | electroproportional switch on left joystick  |

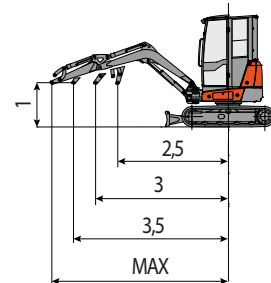
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## LIFTING CAPACITY

Opening arm from the rotation's center (m)  
Lifting capacity (kg) at 1.0 m height

|                                 | 2,5  | 3   | 3,5 | MAX |
|---------------------------------|------|-----|-----|-----|
| Frontal and lowered dozer blade | 1002 | 818 | 690 | 600 |
| Frontal and lifted dozer blade  | 775  | 574 | 445 | 375 |
| Lateral                         | 623  | 471 | 377 | 320 |



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.



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