

Engine D1503-M  
Engine power 24,9 kW - 33,4 HP  
Operating Weight 3.350 - 3.500 kg

**ES35.2ZT**

**Concrete solutions. Always**



## TECHNICALS SPECIFICATIONS

|                                                   |      |                                                     |
|---------------------------------------------------|------|-----------------------------------------------------|
| Operating weight with canopy (with rubber tracks) | kg   | 3.350                                               |
| Operating weight with cabin (with rubber tracks)  | kg   | 3.500                                               |
| Travelling speed (AUTO TWO SPEED)                 | km/h | 1 <sup>a</sup> : 0 ÷ 2,5 / 2 <sup>a</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                 | 2.880 (3.080) |
| Max dumping height with cab standard arm (optional arm)            | mm                 | 3.110 (3.240) |
| 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> | 0,33 (0,34)   |
| Max slope                                                          | 60% - 30°          |               |

### DIMENSIONS

|                                   |    |               |
|-----------------------------------|----|---------------|
| Maximum width                     | mm | 1.580         |
| Total height                      | mm | 2.530         |
| Rear rotation radius              | mm | 788           |
| Digging arm length std (optional) | mm | 1.200 (1.400) |
| Tracks width                      | mm | 300           |
| Rollers number (for each side)    | n° | 4/1           |

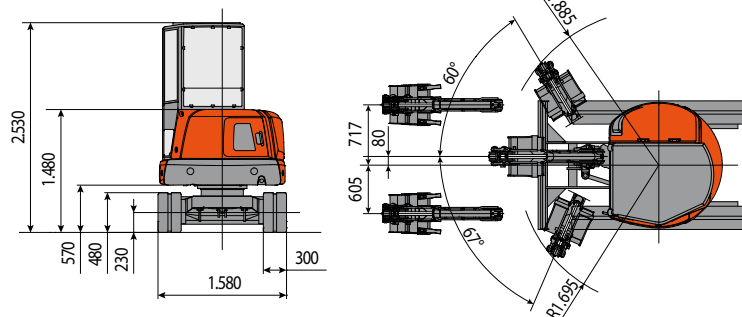
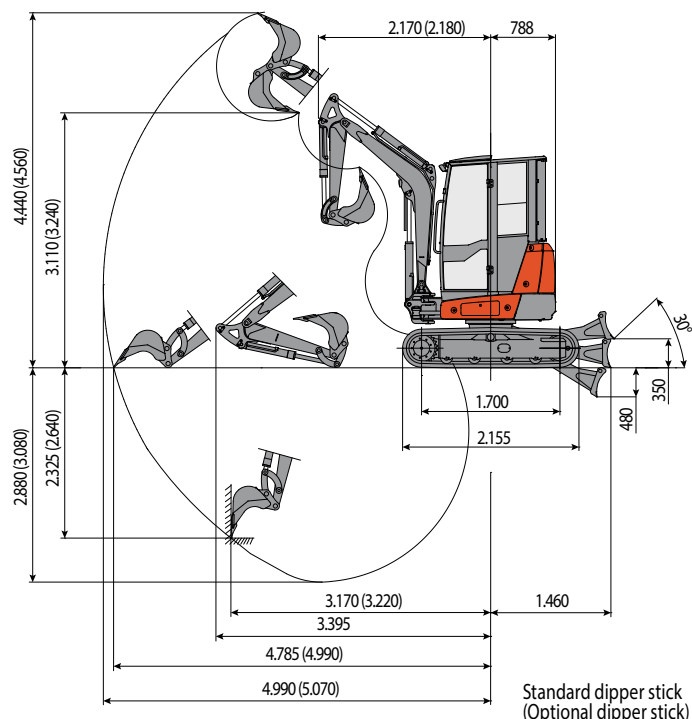
### FILLINGS

|                            |    |     |
|----------------------------|----|-----|
| 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  |  |

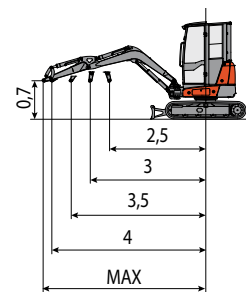
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### LIFTING CAPACITY

Opening arm from the rotation's center (m)  
Lifting capacity (kg) at 0,7 m height

|                                 | 2,5  | 3   | 3,5 | 4   | MAX |
|---------------------------------|------|-----|-----|-----|-----|
| Frontal and lowered dozer blade | 1097 | 894 | 751 | 662 | 633 |
| Frontal and lifted dozer blade  | 1028 | 818 | 632 | 512 | 463 |
| Lateral                         | 722  | 567 | 447 | 371 | 353 |



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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