

Engine 4TNV98CT
Engine power 53,7 kW - 73,0 HP
Operating Weight 8.300 kg

ES 85 SB₄

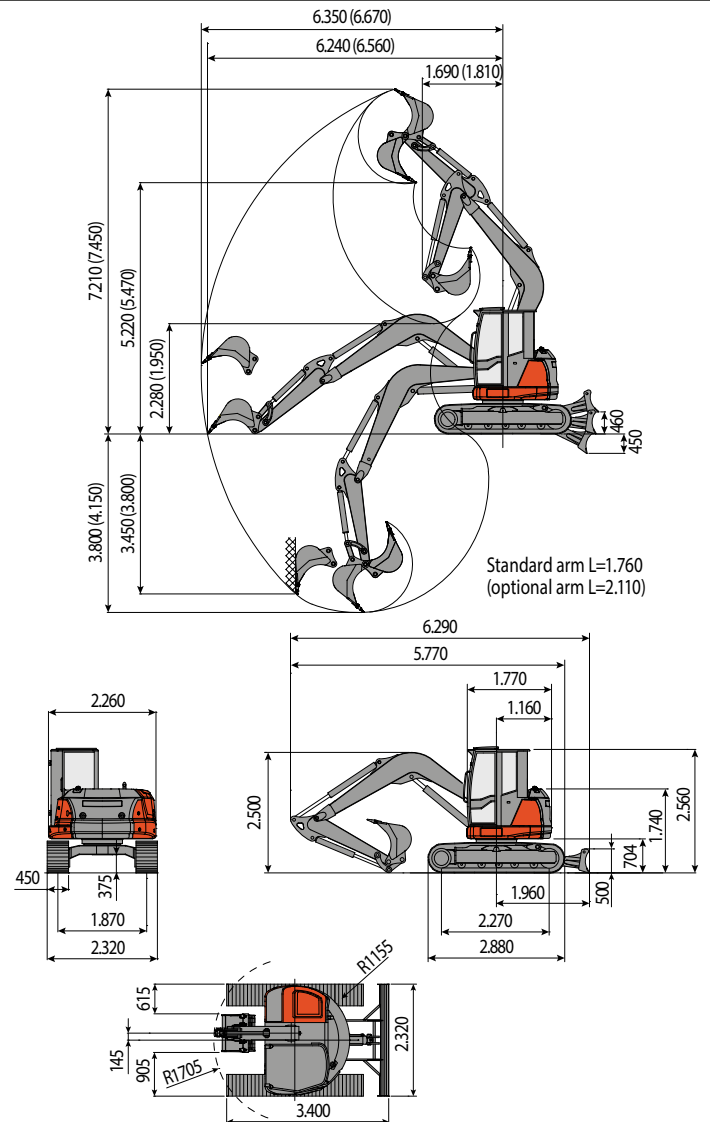
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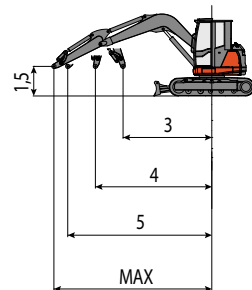
TECHNICALS SPECIFICATIONS

| | | |
|--|--|---|
| Operating weight (with rubber track) | kg | 8.300 |
| Operating weight (with steel track) | kg | 8.620 |
| Travelling speed(AUTO TWO SPEED) | km/h | 1 ^a : 0 ÷ 2,6 / 2 ^a : 0 ÷ 5,2 |
| Slew speed | rpm | 10 |
| ENGINE | | |
| Type | YANMAR 4TNV98CT EU Stage IIIB - EPA Tier 4 | |
| Power (2.100 rpm) | kW - HP | 53,7 - 73,0 |
| Displacement | cc | 3.319 |
| Number of cylinders | n° | 4 |
| Cooling | water | |
| Consumption | lt/h | 10,5 |
| Alternator | V (A) | 12 (80) |
| Battery | V (Ah) | 12 (100/900) |
| HYDRAULIC SYSTEM | | |
| Circuit Type | Load Sensing system with "Flow Sharing" control valve with 10 elements | |
| Pump type | 1 LS hydraulic variable pump with electronic control + 1 gear pump | |
| Pump displacement | cc | 84 + 9 |
| Pump capacity | lt/min | 185 + 20 |
| Max. circuit calibration pressure | bar | 290 - 200 - 35 |
| Auxiliary Flow (max pressure): AUX 1 main high flow simple or double effect AUX 2 double effect AUX 3 double effect | lt/min (bar) | 100 / 100 (200) 90 / 80 (290) 60 / 40 (290) |
| PERFORMANCES | | |
| Max digging depth standard arm (optional arm) | mm | 3.800 (4.150) |
| Max dumping height with cab standard arm (optional arm) | mm | 5.220 (5.470) |
| Bucket breaking force (standard arm) ISO 6015 | daN | 5.500 |
| Arm breaking force (standard arm) ISO 6015 | daN | 4.350 |
| Traction force | daN | 7.960 |
| Ground bearing pressure with rubber tracks | kg/cm ² | 0,41 |
| Max slope | 60% - 30° | |
| DIMENSIONS | | |
| Maximum width | mm | 2.320 |
| Total height | mm | 2.560 |
| Rear rotation radius | mm | 1.155 |
| Digging arm length std (optional) | mm | 1.760 (2.110) |
| Tracks width | mm | 450 |
| Rollers number (for each side) | n° | 5/1 (rubber track) 6/1 (steel track) |
| FILLINGS | | |
| Fuel tank | lt | 105 |
| Hydraulic oil tank | lt | 90 |
| Hydraulic circuit capacity | lt | 120 |
| Cooling system capacity | lt | 25 |
| Engine oil | lt | 10 |
| 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 main high flow with latch AUX 1 (simple or double effect) | electroproportional switch on right joystick | |
| Auxiliary circuit AUX 2 (double effect) | electroproportional switch on right joystick | |
| Auxiliary circuit low flow AUX 3 (double effect) | electroproportional switch on left joystick | |

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| LIFTING CAPACITY | | | | |
|--|------|------|------|------|
| Opening arm from the rotation's center (m) | | | | |
| Lifting capacity (kg) at 1.5 m height | | | | |
| | 3 | 4 | 5 | MAX |
| Frontal and lowered dozer blade | 4270 | 3130 | 2540 | 2390 |
| Frontal and lifted dozer blade | 3282 | 2070 | 1485 | 1340 |
| Lateral | 2859 | 1827 | 1292 | 1140 |



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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