

Engine 3TNV76

Engine power 14,0 kW - 19,0 HP

Operating Weight 2.160 - 2.290 kg

ES 22 SR

Concrete solutions. Always



TECHNICALS SPECIFICATIONS

| | | |
|---|------|---|
| Operating weight with canopy (with rubber tracks) | kg | 2.160 |
| Operating weight with cabin (rubber tracks) | kg | 2.290 |
| Travelling speed | km/h | 1 ^o : 0 ÷ 2,6 / 2 ^a : 0 ÷ 4,0 |
| Slew speed | rpm | 11 |

ENGINE

| | | |
|---------------------|---------------|-------------|
| Type | YANMAR 3TNV76 | |
| Power (2.200 rpm) | kW - HP | 14,0 - 19,0 |
| Displacement | cc | 1.116 |
| Number of cylinders | n° | 3 |
| Cooling | water | |
| Consumption | lt/h | 2,8 |
| Alternator | V (A) | 12 (40) |
| Battery | V (Ah) | 12 (65) |

HYDRAULIC SYSTEM

| | | |
|-----------------------------------|---------------|--------------|
| Pump type | variable flow | |
| Pump displacement | cc | 2 x 13 + 8,3 |
| Pump capacity | lt/min | 2 x 26,5+17 |
| Max. circuit calibration pressure | bar | 230 |
| Auxiliary system: Max capacity | lt/min | 40 |
| Max pressure | bar | 210 |

PERFORMANCES

| | | |
|--|--------------------|---------------|
| Max digging depth standard arm (optional arm) | mm | 2.493 (2.693) |
| Max dumping height with canopy standard arm (optional arm) | mm | 2.967 (3.106) |
| Max dumping height with cab standard arm (optional arm) | mm | 2.836 (2.957) |
| Bucket breaking force (standard arm) ISO 6015 | daN | 2.200 |
| Arm breaking force (standard arm) ISO 6015 | daN | 1.520 |
| Traction force | daN | 2.000 |
| Ground bearing pressure with rubber tracks and canopy (with cabin) | kg/cm ² | 0,28 (0,30) |
| Max slope | 60% - 30° | |

DIMENSIONS

| | | |
|-----------------------------------|----|---------------|
| Maximum width | mm | 1.450 |
| Total height | mm | 2.395 |
| Rear rotation radius | mm | 750 |
| Digging arm length std (optional) | mm | 1.150 (1.350) |
| Tracks width | mm | 250 |
| Rollers number (for each side) | n° | 4 |

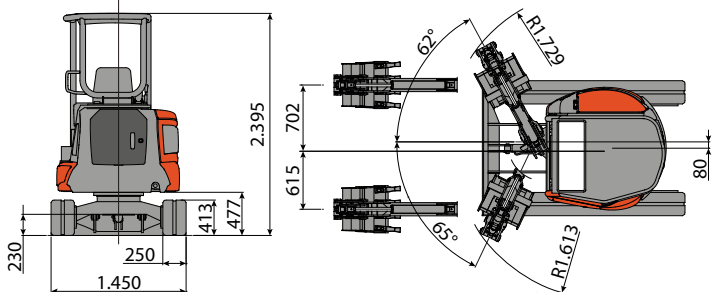
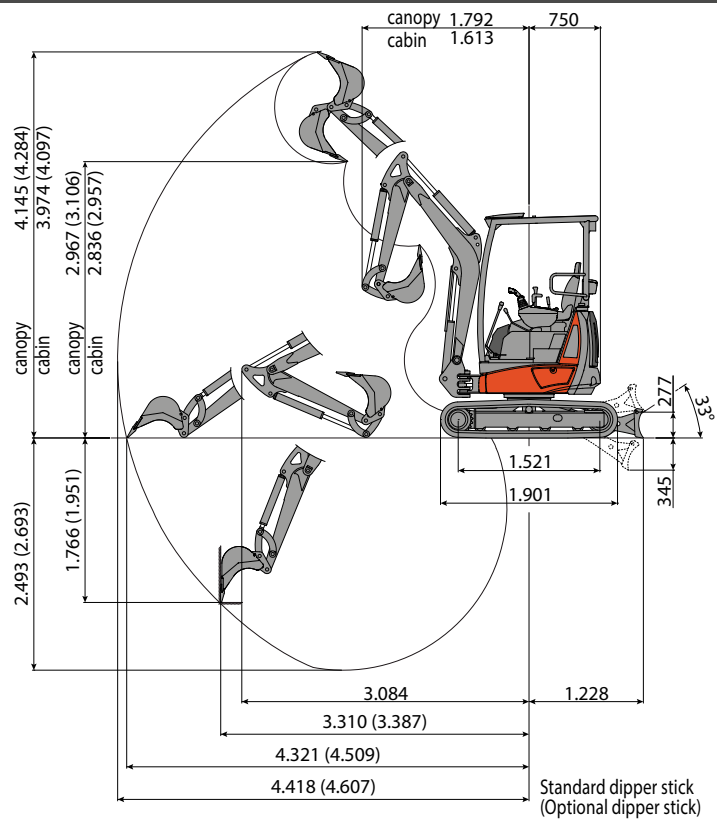
FILLINGS

| | | |
|----------------------------|----|-----|
| Fuel tank | lt | 26 |
| Hydraulic oil tank | lt | 29 |
| Hydraulic circuit capacity | lt | 40 |
| Cooling system capacity | lt | 5 |
| Engine oil | lt | 2,8 |

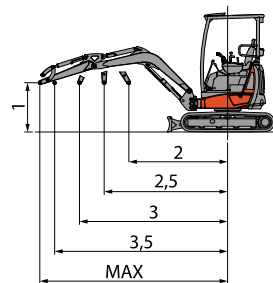
CONTROLS

| | |
|---|--|
| Boom, dipper stick, bucket and turret swing | 2 pilot joysticks |
| Track movements (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 |

ES 22 SR



| LIFTING CAPACITY | | | | | |
|--|-----|-----|-----|-----|-----|
| Opening arm from the rotation's center (m) | | | | | |
| Lifting capacity (kg) at 1.0 m height | | | | | |
| | 2 | 2,5 | 3 | 3,5 | MAX |
| Frontal and lowered dozer blade | 948 | 661 | 531 | 457 | 431 |
| Frontal and lifted dozer blade | 788 | 544 | 413 | 323 | 293 |
| Lateral | 593 | 424 | 319 | 251 | 225 |



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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