



## ET35

### Tracked Conventional Excavator

#### Impressive productivity

The tracked excavator in the 3.5-metric ton class impresses with its performance and many well thought-out details. Along with the optimized engine-pump management for up to 15% faster working cycles, the excellent stability and the ergonomically designed cabin ensure efficient and fatigue-free work. Thanks to the numerous options available ex work, the ET35 can also be adapted individually to the customer's requirements.

## Highlights

- VDS Vertical Digging System
- Optimized drive concept
- Jog dial
- Comfortable, fully glazed cab
- Up to four additional factory-installed control circuits

## Technical Data

### Hydraulic

|                               |                               |
|-------------------------------|-------------------------------|
| Operating pressure hydraulics | 240.0 bar                     |
| Hydraulic pump                | Axial piston and 2 gear pumps |
| Flow rate max.                | 120.0 l/min                   |

### Mechanical - Output Details

|              |          |
|--------------|----------|
| Travel speed | 4.7 km/h |
|--------------|----------|

### Mechanical Details

|                              |                      |
|------------------------------|----------------------|
| Length                       | 5,271.0 mm           |
| Width                        | 1,630.0 mm           |
| Height                       | 2,711.0 mm           |
| Operating weight (min.-max.) | 3,553.0 - 4,753.0 kg |
| Digging depth (max.)         | 3,497.0 mm           |

### Engine

|                        |                         |
|------------------------|-------------------------|
| Cooling                | Water-cooling           |
| Engine type            | Diesel engine           |
| Cylinder               | 3.0                     |
| Cylinder capacity      | 1,642.0 cm <sup>3</sup> |
| Inclined position max. | 30.0 °                  |

|                               |               |
|-------------------------------|---------------|
| Fuel                          | Diesel EN 590 |
| Effective power               | 18.2 KW       |
| Nominal Engine speed          | 2,400.0 1/min |
| Exhaust-gas limit             | EU Stage V    |
| Battery capacity (nom. value) | 71.0 Ah       |
| Engine Manufacturer           | Yanmar        |
| Engine Designation            | 3TNV88        |

### Environment Data

|                             |            |
|-----------------------------|------------|
| Sound power LWA, guaranteed | 94.0 dB(A) |
|-----------------------------|------------|

### Operating Fluids

|                        |         |
|------------------------|---------|
| Oil volume             | 6.700 l |
| Cooling fluid volume   | 5.0 l   |
| Hydraulic fluid volume | 61.5 l  |

### Chassis

|                |                           |
|----------------|---------------------------|
| Traction drive | Axialpistonmotor with RGU |
|----------------|---------------------------|

### Shipping and Storage

|                 |            |
|-----------------|------------|
| Shipping weight | 3,364.0 kg |
|-----------------|------------|

## Available engines

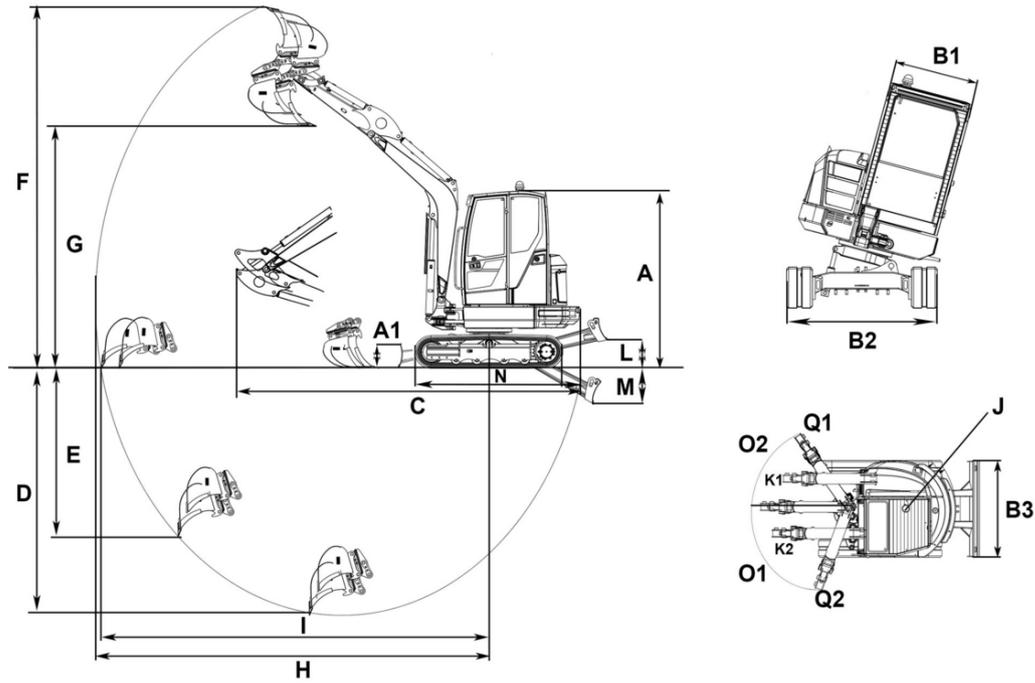
### ■ 22,2 kW Diesel engine (Stage 3a)

|                         |                       |
|-------------------------|-----------------------|
| Cooling                 | Water-cooling         |
| Engine type             | Diesel engine         |
| Cylinder                | 3                     |
| Cylinder capacity       | 1,642 cm <sup>3</sup> |
| Effective power         | 22.2 KW               |
| Nominal Engine speed    | 2,400 1/min           |
| Exhaust-gas limit       | EPA3                  |
| Starter battery Voltage | 12 µg/l               |
| Engine Manufacturer     | Yanmar                |
| Engine Designation      | 3TNV88                |
| Stroke                  | 90 mlai               |
| Bore                    | 88 mlai               |

### ■ 18,2 kW Diesel engine (Stage 5)

|                            |                       |
|----------------------------|-----------------------|
| Cooling                    | Water-cooling         |
| Engine type                | Diesel engine         |
| Cylinder                   | 3                     |
| Cylinder capacity          | 1,642 cm <sup>3</sup> |
| Fuel                       | Diesel EN 590         |
| Effective power            | 18.2 KW               |
| Nominal Engine speed       | 2,400 1/min           |
| Idling speed               | 1,200 1/min           |
| Maximum torque             | 87.8 Nm               |
| Engine speed (max. torque) | 2,400 1/min           |
| Exhaust-gas limit          | EU Stage V            |
| Engine Manufacturer        | Yanmar                |
| Engine Designation         | 3TNV88                |
| Stroke                     | 90 mlai               |
| Bore                       | 88 mlai               |

## Dimensions



|    |   | Standard | VDS      |
|----|---|----------|----------|
| A  | Height with cab                                   | 2,491 mm | 2,573 mm |
|    | Total height with rotating beacon                 | 2,630 mm | 2,711 mm |
| B1 | Width of cab                                      | 980 mm   | 980 mm   |
| B2 | Width travel gear                                 | 1,630 mm | 1,630 mm |
| B3 | Width of dozer blade                              | 1,630 mm | 1,630 mm |
| C  | Transport length short shovel arm                 | 5,268 mm | 5,252 mm |
| D  | Digging depth max., short shovel arm              | 3,245 mm | 3,166 mm |
|    | Digging depth max., long shovel arm               | 3,497 mm | 3,416 mm |
| E  | Piercing depth max., short shovel arm             | 2,120 mm | 2,042 mm |
|    | Piercing depth max., long shovel arm              | 2,360 mm | 2,279 mm |
| F  | Piercing height max., short shovel arm            | 4,929 mm | 5,010 mm |
|    | Piercing height max., long shovel arm             | 5,082 mm | 5,163 mm |
| G  | Dumping height max., short shovel arm             | 3,337 mm | 3,417 mm |
|    | Dumping height max., long shovel arm              | 3,489 mm | 3,570 mm |
| H  | Digging radius max., short shovel arm             | 5,270 mm | 5,270 mm |
|    | Digging radius max., long shovel arm              | 5,507 mm | 5,507 mm |
| I  | Max. reach at ground level (short shovel arm)     | 5,158 mm | 5,143 mm |
|    | Max. reach at ground level (long shovel arm)      | 5,408 mm | 5,393 mm |
| J  | Tail swing radius                                 | 1,168 mm | 1,168 mm |
| K1 | Boom offset max. (to center of bucket right side) | 476 mm   | 476 mm   |
| K2 | Boom offset max. (to center of bucket left side)  | 447 mm   | 447 mm   |
| L  | Stacking height max. (dozer blade above surface)  | 393 mm   | 393 mm   |
| M  | Digging depth max. (dozer blade below surface)    | 505 mm   | 505 mm   |
| N  | Length travel drive                               | 2,062 mm | 2,062 mm |
| O1 | Max. swivel angle (arm system to the left)        | 70 °     | 70 °     |
| O2 | Max. swivel angle (arm system to the right)       | 55 °     | 55 °     |
| Q1 | Boom swing radius right                           | 55 °     | 55 °     |
| Q2 | Boom swing radius left                            | 70 °     | 70 °     |