



ET90

Tracked Conventional Tail Excavators



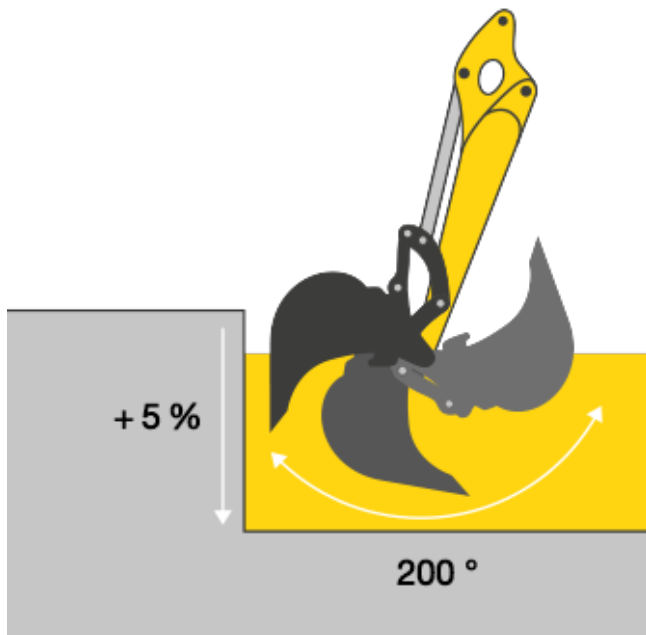
The economic powerhouse: ET90

The fuel consumption of the ET90 is up to 30 percent lower than with comparable models – this reduces the operating costs significantly. At the same time, it scores in applications with an excellent engine and hydraulic performance. This efficient combination provides for first-class digging power with up to 20% more bucket breakaway force. Conversely, the economical load sensing hydraulic system allows for finely controllable lifting arm movements with a full performance at the same time. Whether power or precision – the ET90 is exactly the right excavator for any application.

- Precise and sensitive operation thanks to the load sensing hydraulic system with LUDV (load-independent flow control)*
- Low consumption due to the economical ECO mode
- Up to 5 auxiliary control circuits for the most varied attachments
- Extremely compact and maneuverable
- Maintenance and service made easy due to the tiltable cabin as well as the diagnostic tool

* Load-independent flow distribution

Economical and powerful



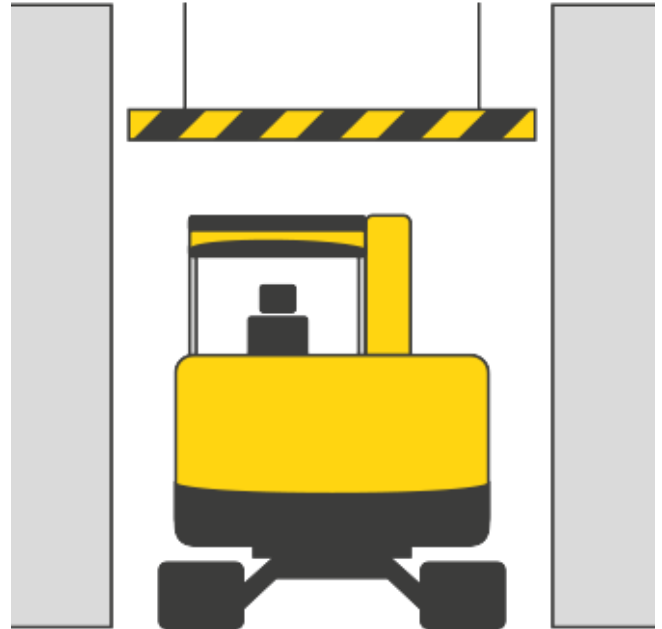
• Optimal force distribution when excavating and up to 20% more breakaway force: plunge in deeper and excavate more powerfully

- Less material loss in the bucket due to an expanded angle of rotation of 200 degrees
- Articulated boom for greater reach, digging depth and dumping height
- Up to 30 % less fuel consumption



Reduced dimensions

- Significantly lower height and width than comparable competition models
- Easily master tight construction sites and low passages
- Higher level of stability due to the low center of gravity
- Easy to transport



Cabin, sight and operating comfort



- Innovative solution for the optimal view – boom to the right next to the cabin
- Operator comfort: spacious cabin, air cushioned seat and automatic air-conditioning system
- Innovative front windshield system: two-part windshield can be slid up and moved - rain roof position
- LED headlights for optimal illumination
- Rear camera for more safety when in reverse operation



Jog dial system

- Technology from the automotive sector
- For the direct control of central functions
- Intuitive to operate



iF Design Award 2016

The excavator ET90 persuaded the professional jury at the iF Design Award in 2016. Compactness, character and professionalism were the decisive points, for which he was selected as a winner.

Technical specifications

Operating data



| | |
|------------------------------|--------------------------|
| Shipping weight min. | 8,348 kg |
| Operating weight min. | 8,710 kg |
| Biting force max. | 46 kN |
| Breakaway force max. | 74 kN |
| Digging depth max. | 4,679 mm |
| Dumping height max. | 5,940 mm |
| Digging radius max. | 7,889 mm |
| Superstructure slewing speed | 9 1/min |
| L x W x H | 7,139 x 2,250 x 2,562 mm |

Engine / Motor

| | |
|-------------------------------------|---|
| Engine / Motor manufacturer | Deutz |
| Engine / Motor type | TCD 2.9 DOC only |
| Engine / Motor | Liquid-cooled 4-cycle turbo in-line engine, direct injection, exhaust gas turbocharger and intercooling |
| Displacement | 2,925 cm ³ |
| RPM / speed | 2,200 rpm |
| Engine performance according to ISO | 55.4 kW |
| Battery | 88 Ah |
| Tank capacity | 85 l |

Hydraulic system

| | |
|---|----------------------------|
| Duty pump | Variable displacement pump |
| Flow rate | 175.8 l/min |
| Operating pressure for working and driving hydraulics | 300 bar |
| Operating pressure swing gear | 240 bar |
| Hydraulic oil tank | 92 l |

Wheel set

| | |
|-------------------|--------|
| Travel speed max. | 5 km/h |
| Chain width | 450 mm |
| Ground clearance | 284 mm |

Dozer Blade

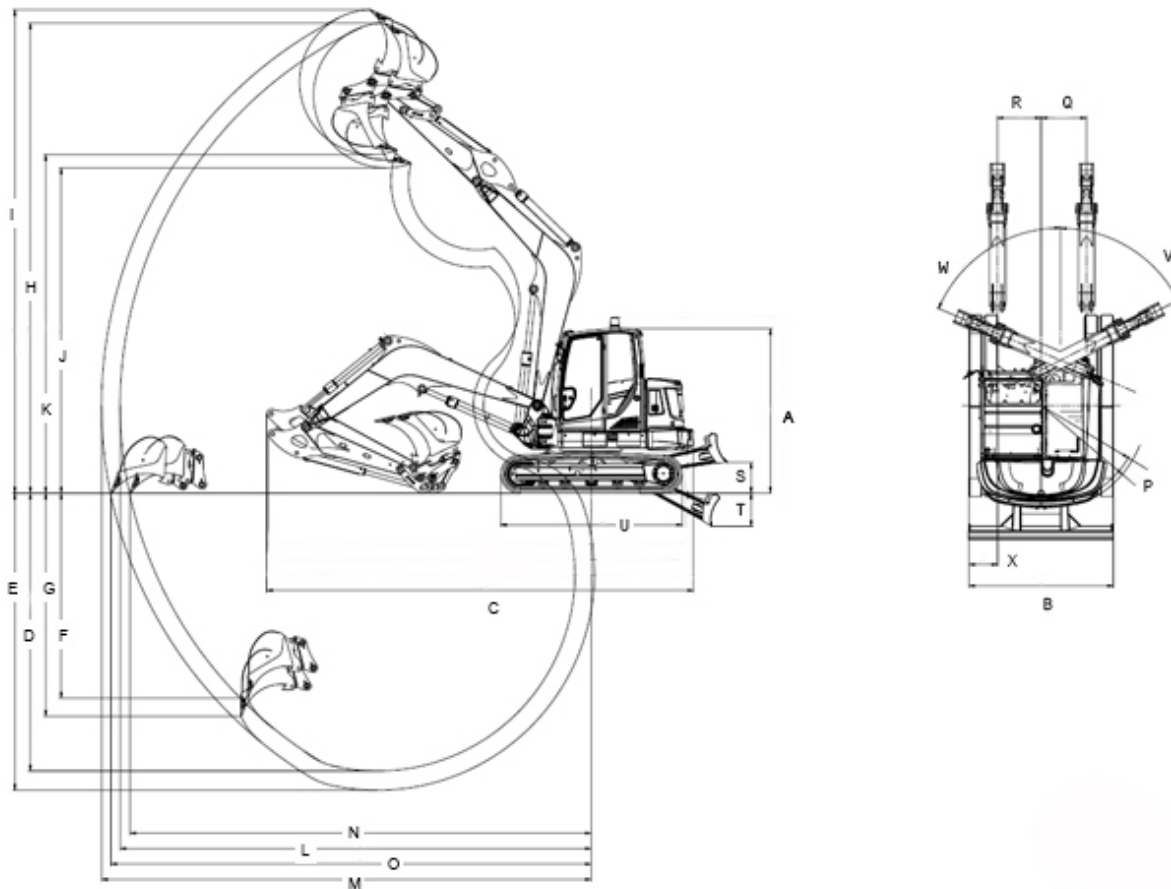
| | |
|-----------------------------------|--------|
| Stroke dozer blade above subgrade | 479 mm |
|-----------------------------------|--------|



| | |
|--|----------|
| Stroke dozer blade below subgrade | 518 mm |
| Sound level | |
| Sound level (LwA) according to 2000/14/EC | 99 dB(A) |
| Cabin - specified sound pressure level LpA according to ISO 6394 | 79 dB(A) |



Dimensions



| | monobloc boom | articulated boom |
|---|----------------------|-------------------------|
| A Height mm | 0 | 2,562 |
| B Width Fahrwerk mm | 2,250 | 2,250 |
| Transport length kurzer Löffelstiel mm | 7,117 | 6,468 |
| C Transport length langer Löffelstiel mm | 7,139 | 6,690 |
| D Digging depth kurzer Löffelstiel mm | 4,325 | 4,379 |
| E Digging depth langer Löffelstiel mm | 4,625 | 4,679 |
| F Insertion depth kurzer Löffelstiel mm | 3,192 | 3,198 |
| G Insertion depth langer Löffelstiel mm | 3,474 | 3,456 |
| H Insertion height kurzer Löffelstiel mm | 7,322 | 7,931 |
| I Insertion height langer Löffelstiel mm | 7,529 | 8,196 |
| J Dumping height kurzer Löffelstiel mm | 5,066 | 5,674 |
| K Dumping height langer Löffelstiel mm | 5,272 | 5,940 |



| | | | |
|----------|---|-------|-------|
| L | Digging radius kurzer Löffelstiel mm | 7,331 | 7,596 |
| M | Digging radius langer Löffelstiel mm | 7,620 | 7,889 |
| N | Range kurzer Löffelstiel mm | 7,179 | 7,463 |
| O | Range langer Löffelstiel mm | 7,474 | 7,751 |
| P | Rear swivel radius ohne Zusatzgewicht mm | 1,583 | 1,583 |
| | Arm displacement auf Mitte Löffel rechts mm | 705 | 705 |
| | Arm displacement auf Mitte Löffel links mm | 683 | 683 |
| S | Lift height über Planum mm | 479 | 479 |
| T | Scraping depth unter Planum mm | 518 | 518 |
| | Boom slewing radius Mitte mm | 2,503 | 2,840 |
| U | Length Laufwerkslänge gesamt mm | 2,826 | 2,826 |
| V | Turning angle Armsystem nach rechts ° | 63 | 63 |
| W | Turning angle Armsystem nach links ° | 67 | 67 |
| B | Width Planierschild mm | 2,250 | 2,250 |

Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions. Subject to alterations and errors excepted. Applicable also to illustrations.
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