



## ET90

Tracked Conventional Tail Excavators

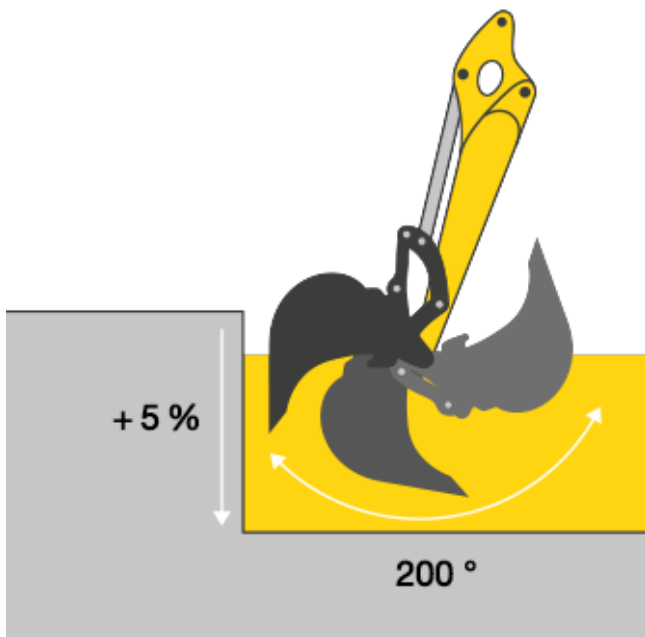


### ET90 offers performance and fuel economy

The minimum swing radius ET90 track excavator offers one of the smoothest and most powerful hydraulic systems available in its class. The 9-ton excavator comes with an air conditioned cab and a choice of short or long dipperstick and is powered by an economical 74.2-hp Deutz Tier 4 Final engine. The ET90 comes standard with rubber tracks, dozer blade and boom-mounted working light. Hydraulic system features an oil cooler, pilot controls and dipperstick-mounted auxiliary connections for single and bidirectional attachments. An in-cab electronic control pattern changeover is standard.

- The unit's compact size, high performance and low center of gravity allow this excavator to work in a variety of applications, especially in confined areas
- The three-pin bucket linkage system provides best-in-class breakout force of 16,636 pounds of force and optimizes the bucket's angle of rotation for digging in tough conditions and to keep the load secure in the bucket before dumping
- Large ergonomically cab design offers operator comfort with 3.5-inch color LCD display, air-ride seat and air conditioning
- Unmatched visibility of the bucket and entire worksite through large windows and front and side lighting, enhancing jobsite safety
- A unique tilting operator's platform and large engine cover are the only two points of access needed to expose all maintenance components

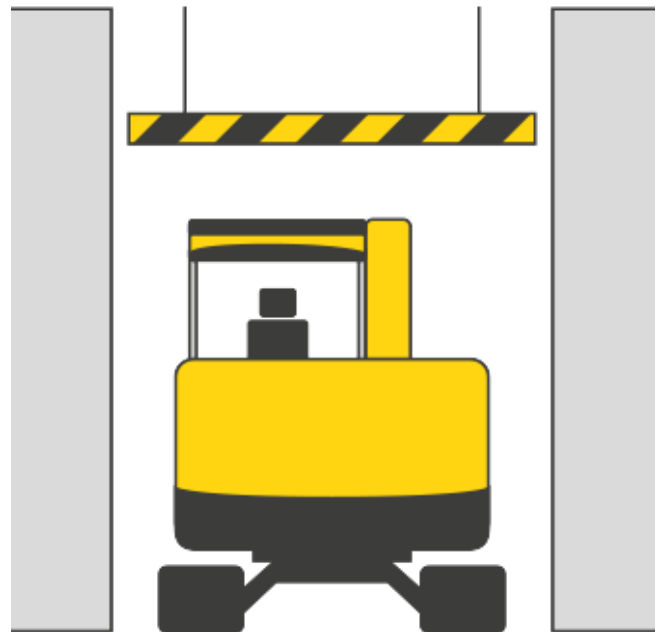
Economical and powerful



- 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
- 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



## Technical specifications



#### Operating data

Shipping weight min.	18,404 lb
Operating weight min.	19,202 lb
Biting force max.	10,341 lbf
Breakaway force max.	16,636 lbf
Digging depth max.	182.5 in
Dumping height max.	231.7 in
Digging radius max.	307.7 in
Superstructure slewing speed	9 rev/min
L x W x H	281 x 88.6 x 100.9 in

#### 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	178.4 in <sup>3</sup>
RPM / speed	2,200 rpm
Engine performance according to ISO	74.2 hp
Battery	88 Ah
Tank capacity	89.8 US qt

#### Hydraulic system

Duty pump	Variable displacement pump
Flow rate	45.7 US gpm
Operating pressure for working and driving hydraulics	4,351.2 psi
Operating pressure swing gear	3,481 psi
Hydraulic oil tank	97.2 US qt

#### Wheel set

Travel speed max.	3.1 mph
Chain width	17.6 in
Ground clearance	14.4 in



Dozer Blade

Stroke dozer blade above subgrade	18.7 in
Stroke dozer blade below subgrade	20.2 in

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

<b>B1</b>	Width traversing gear in	87.8
<b>Z1</b>	Transport length short dipper stick in	277.6
<b>Z2</b>	Transport length long dipper stick in	278.4
<b>D1</b>	Digging depth short dipper stick in	168.7
<b>D2</b>	Digging depth long dipper stick in	180.4
<b>E1</b>	Insertion depth short dipper stick in	124.5
<b>E2</b>	Insertion depth long dipper stick in	135.5
<b>G1</b>	Dumping height short dipper stick in	197.6
<b>G2</b>	Dumping height long dipper stick in	205.6
<b>K1</b>	Digging radius short dipper stick in	285.9
<b>K2</b>	Digging radius long dipper stick in	297.2
<b>H1</b>	Range short dipper stick in	280
<b>H2</b>	Range long dipper stick in	291.5
<b>R1</b>	Rear swivel radius w/o added weight in	61.7
<b>P</b>	Scraping depth below subgrade in	20.2
<b>R2</b>	Boom slewing radius center in	97.6
<b>S</b>	Length total traveling gear in	110.2
<b>W1</b>	Turning angle boom system to the right °	63
<b>W3</b>	Turning angle boom system to the left °	67
<b>Y1</b>	Width dozer blade in	87.6

### 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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