



ET145

Tracked Conventional Tail Excavators



Compact excavator in a new weight class - ET145

The ET145 is a compact excavator designed for power and productivity. This 14-ton excavator combines the productivity of a larger crawler excavator with the versatility and accessibility of a compact excavator. The 75-hp, Tier 4 Final turbo charged engine along with an optimized power train utilizes a constant power concept to deliver maximum horsepower and torque, regardless of the load on the engine. The 127-degree boom swing allows the operator to dig along walls and trenches, work around pipes and dig along traffic lines while maintaining a compact footprint.

- High performance hydraulics enable spontaneous actuation of the hydraulic functions and maximum working speed
- Ergonomically designed, spacious cab provides visibility of the entire work site.
- Designed for long hours of operation with intuitive, easy to reach controls. A 3.5-inch high resolution color screen displays central functions controlled by the jog dial
- Solid cast dozer blade enhances stability and provides additional functionality for backfilling and grading
- Three track options, steel, rubber and hybrid, enable the machine to operate efficiently in any application

Technical specifications



Operating data

| | |
|------------------------------|-------------------|
| Shipping weight min. | 32,886 lb |
| Operating weight min. | 34,283 lb |
| Biting force max. | 15,512 lbf |
| Breakaway force max. | 20,458 lbf |
| Digging depth | 213.8 in |
| Dumping height max. | 231.9 in |
| Digging radius | 340.4 in |
| Superstructure slewing speed | 11.6 rev/min |
| L x W x H | 304 x 98 x 110 in |

Engine / Motor

| | |
|--------------------------------|---|
| Engine / Motor manufacturer | Perkins |
| Engine / Motor type | 854E |
| Engine / Motor | 4-cylinder turbo diesel engine with water cooling |
| Displacement | 201.3 in ³ |
| Engine performance acc. to ISO | 75 hp |
| Tank capacity | 216.5 US qt |

Hydraulic system

| | |
|--|---------------------------------|
| Duty pump | 2 variable pumps, 2 gear wheels |
| Operating pressure for working and traction hydraulics | 4,641.3 psi |
| Operating pressure Slewing gear | 4,496.2 psi |
| Hydraulic oil tank | 116.2 US qt |

Wheel set

| | |
|-------------------|-----------|
| Travel speed max. | 3.162 mph |
| Chain width | 19.5 in |
| Ground clearance | 18.72 in |

Dozer Blade

| | |
|---------------------------------|---------|
| Stroke Dozer blade above ground | 20.7 in |
| Stroke Dozer blade below ground | 19.3 in |



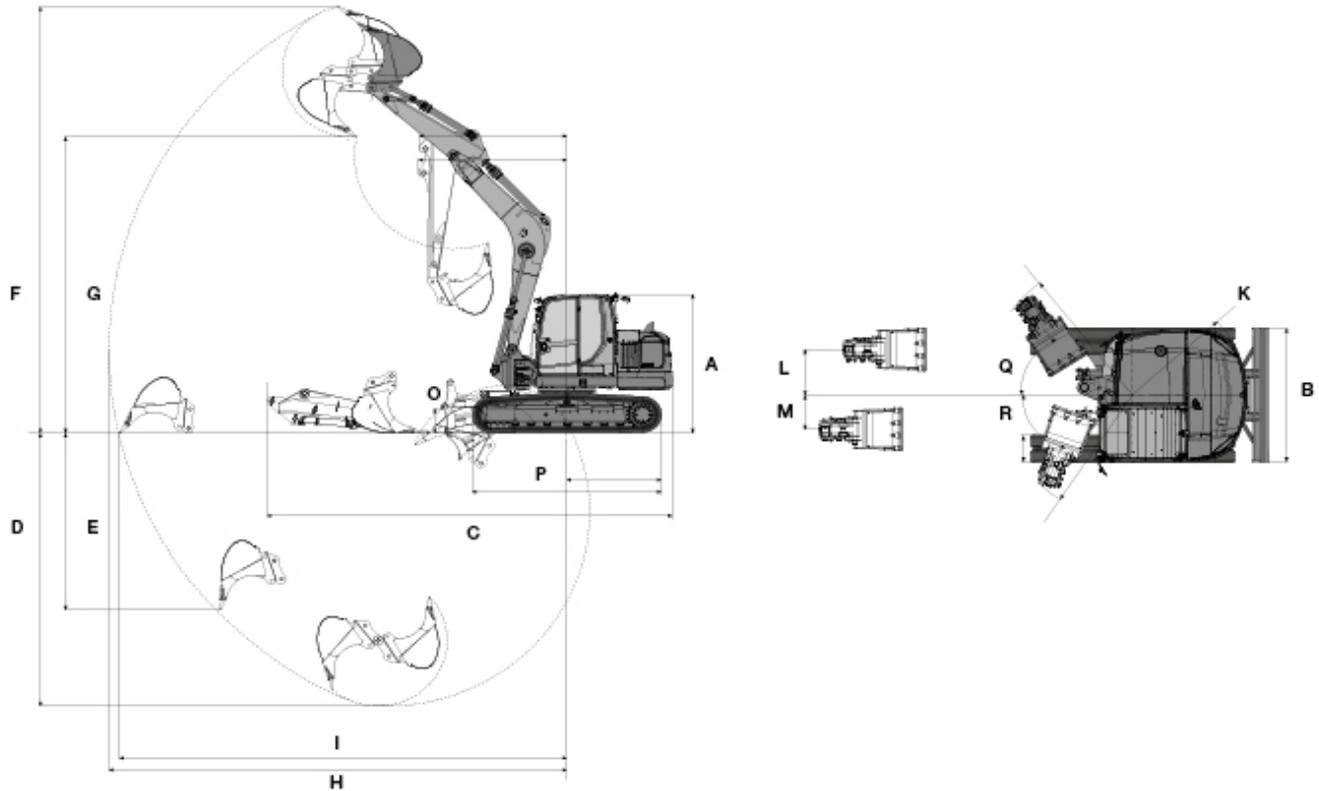
Sound level

Sound level (LwA) acc. to 2000/14/EC 96 dB(A)

Cabin - specified sound pressure level LpA acc. to ISO 6394 75 dB(A)



Dimensions



| | | |
|---|---|-------|
| A | Height in | 109 |
| B | Width in | 97.1 |
| C | Transport length (short bucket arm) in | 301.1 |
| C | Transport length (long bucket arm) in | 303.7 |
| D | Digging depth max. (short bucket arm) in | 194.3 |
| D | Digging depth max. (long bucket arm) in | 214 |
| E | Insertion depth max. vertical (short bucket arm) in | 120 |
| E | Insertion depth max. vertical (long bucket arm) in | 138 |
| F | Insertion height max. (short bucket arm) in | 323.7 |
| F | Insertion height max. (long bucket arm) in | 335.4 |
| G | Dumping height max. (short bucket arm) in | 219 |
| G | Dumping height max. (long bucket arm) in | 232 |
| H | Digging radius max. (short bucket arm) in | 322 |



| | |
|--|-------|
| H Digging radius max. (long bucket arm) in | 340 |
| I Range max. span on the ground (short bucket arm) in | 314 |
| I Range max. span on the ground (long bucket arm) in | 333 |
| K Rear swivel radius in | 78.7 |
| L Arm displacement max. boom offset to centre of bucket right side in | 33.2 |
| M Arm displacement max. boom offset to centre of bucket left side in | 25 |
| O Lift height in | 18.7 |
| Boom slewing radius in | 90.5 |
| P Length track in | 140.6 |
| Q Turning angle max. - boom arm to the right ° | 57 |
| R Turning angle max. - boom arm to the left ° | 70 |
| Chain width in | 19.5 |

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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