

# LOVOL



|                  |                    |
|------------------|--------------------|
| Rated Power      | 10.9KW/2400rpm     |
| Operating Weight | 1810kg             |
| Bucket Capacity  | 0.04m <sup>3</sup> |

# FR18E2-u

MINI EXCAVATOR

# TECHNICAL SPECIFICATIONS



## Dimensions

|                                    |            |
|------------------------------------|------------|
| Shipping Length                    | 3575mm     |
| Shipping Ground Length             | 1230mm     |
| Shipping Height                    | 2347mm     |
| Shipping Width                     | 990mm      |
| Cab Height                         | 2347mm     |
| Ground Clearance of Counter Weight | 438mm      |
| Min. Ground Clearance              | 150mm      |
| Tail Turning Radius                | 640mm      |
| Wheel Tread                        | 1230mm     |
| Track Length                       | 1590mm     |
| Track Gauge                        | 760/1050mm |
| Track Shoe Width                   | 230mm      |



## Working Range

|                             |        |
|-----------------------------|--------|
| Max. Digging Height         | 3553mm |
| Max. Dumping Height         | 2455mm |
| Max. Digging Depth          | 2297mm |
| Max. Vertical Digging Depth | 1690mm |
| Max. Digging Radius         | 3908mm |
| Max. Ground Digging Radius  | 3846mm |
| Min. Turning Radius         | 1443mm |
| Dozer Blade Lifting Height  | 260mm  |
| Dozer Blade Falling Height  | 180mm  |



## Engine

|                     |                        |
|---------------------|------------------------|
| Engine Model        | YANMAR 3TNV70-PFN      |
| Number of Cylinders | 3                      |
| Max. Torque/Speed   | 48~52.3/1800±50N·m/rpm |
| Displacement        | 0.854L                 |



## Main Performance

|                      |         |
|----------------------|---------|
| Bucket Digging Force | 15.2kN  |
| Arm Digging Force    | 8.5kN   |
| Max. Traction Force  | 15.7kN  |
| Max. Walking Speed   | 3.6km/h |
| Min. Walking Speed   | 1.8km/h |
| Rotary Speed         | 9r/min  |
| Gradeability         | 30°     |
| Ground Pressure      | 28.4kPa |



## Hydraulic system

|                            |           |
|----------------------------|-----------|
| Max. Main Pump Flow        | 43.1L/min |
| Main Safety Valve Pressure | 21.6MPa   |



## Other Specifications

|                                 |        |
|---------------------------------|--------|
| Boom Length                     | 1828mm |
| Arm Length                      | 950mm  |
| Track Section Number(each side) | 37     |
| Track Roller Number             | 3      |



## Refill Capacity

|                |       |
|----------------|-------|
| Fuel Tank      | 19L   |
| Hydraulic Tank | 15.4L |
| Engine Oil     | 2.8L  |

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As manufacturer, LOVOL has right to constantly upgrade and improve our products without informing to customers. The pictures in literatures are for reference only, the detailed specifications are subject to real products.