

# AIRMAN®

🇯🇵 JAPANESE QUALITY SINCE 1938

## Mini -Excavator

Compliant with the EU stage V exhaust emission regulations

# AX10U-7

**1,110kg** **0.022m<sup>3</sup>**

Operating weight

Bucket Capacity

Our Airman AX10U-7 Zero-tail swing mini-excavator, equipped with a powerful three cylinder stage V engine offers improved serviceability and safety, in addition to basic operations including digging, loading and leveling.



### Compact design

- The AX10u-7 is designed to offer excellent productivity in confined spaces. It is the perfect machine to be used for projects such as housing foundations, indoor renovations, utilities and landscaping as the machine has a short-tail swing radius of 825 mm combined with the undercarriage with a minimum width of 780 mm that can be extended to 1000 mm for more stability.

### Safety

- Use the lock lever to lock the levers for boom, swing and travel operation, thereby preventing improper operation.
- The machine utilizes a mechanism for starting the engine in neutral with the lock lever in the locked position.

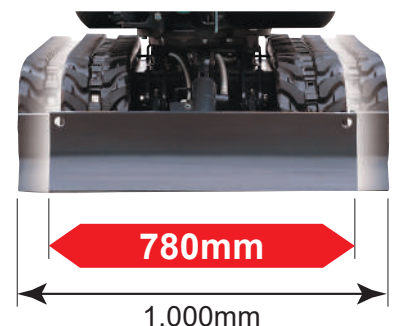
### Serviceability

- Front hoses are stored in the arm to protect them from damage. Articulated hose is used to make it easy to replace if it is damaged.
- A fully openable engine cover has been utilized.

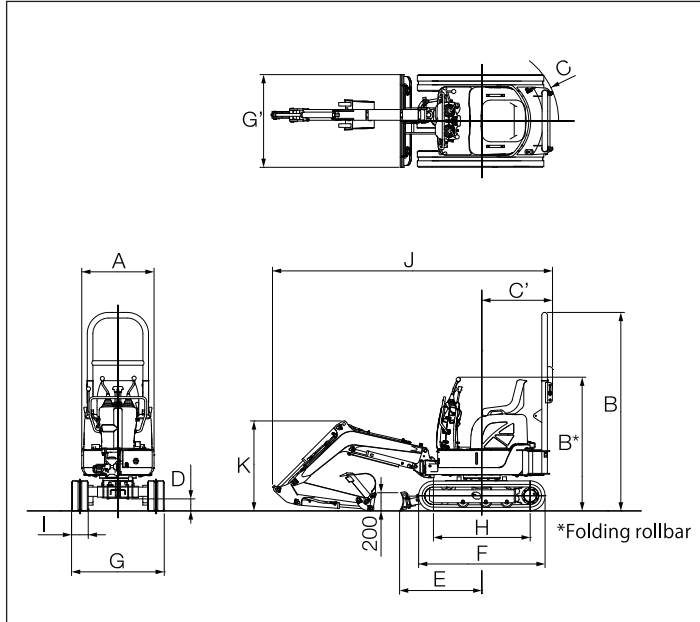
### Smooth Operation

- The hydraulic pilot control servo levers ensure accurate, smooth and precise operation.

Adjustable undercarriage width



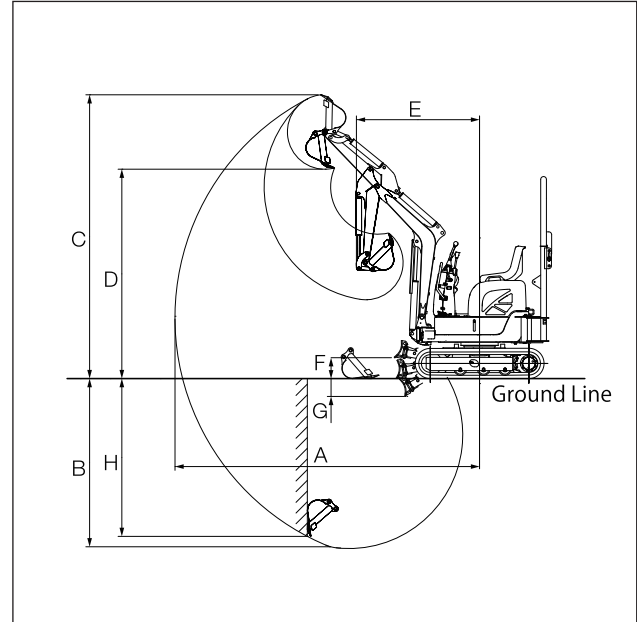
## Dimensions



## Specifications

| Item                              | Model                | AX10U-7                                                                  |
|-----------------------------------|----------------------|--------------------------------------------------------------------------|
| <b>• Summary Specification</b>    |                      |                                                                          |
| Type of shoe                      |                      | rubber                                                                   |
| Operating weight                  | kg                   | 1,110                                                                    |
| Bucket capacity                   | m <sup>3</sup>       | 0.022                                                                    |
| Bucket width with sidecutter      | mm                   | 370                                                                      |
| <b>• Diesel Engine</b>            |                      |                                                                          |
| Model                             |                      | Yanmar 3TNV70                                                            |
| Type                              |                      | water cooling 4-cycle 3-cylinder swirl chamber type                      |
| Piston displacement               | L                    | 0.854                                                                    |
| Rated output                      | kW/min <sup>-1</sup> | 9.5 / 2,100 (12.9PS / 2,100rpm)                                          |
| <b>• Hydraulic Devices</b>        |                      |                                                                          |
| Main pumps (Max. oil flow)        | L/min                | gear type (10.6) ×2                                                      |
| Pilot pumps (Max. oil flow)       | L/min                | gear type (5.3) ×1                                                       |
| Main relief set pressure          | MPa                  | 17.7 (180kgf/cm <sup>2</sup> )                                           |
| Swing motor                       |                      | High torque orbit motor                                                  |
| Travel motor                      |                      | High-torque, 2-speed axial piston motor through planetary reduction gear |
| <b>• Max. Digging Force</b>       |                      |                                                                          |
| Bucket                            | kN                   | 11.8 (1,200kgf)                                                          |
| Arm                               | kN                   | 6.0 (610kgf)                                                             |
| <b>• Speed (2 speed system)</b>   |                      |                                                                          |
| Travel speed (high / low)         | km/h                 | 4.0 / 2.0                                                                |
| Swing speed                       | min <sup>-1</sup>    | 8.5                                                                      |
| Gradeability degree               | °                    | 30 (58%)                                                                 |
| <b>• Others</b>                   |                      |                                                                          |
| Ground pressure                   | kPa                  | 24 (0.25kgf/cm <sup>2</sup> )                                            |
| Fuel tank                         | L                    | 16.0                                                                     |
| Hydraulic tank (Hydraulic system) | L                    | 12 (18)                                                                  |
| Engine oil                        | L                    | 2.8                                                                      |

## Working Range



## Dimensions

| Item                                          | Model | AX10U-7       |
|-----------------------------------------------|-------|---------------|
| A : Overall width                             | mm    | 780           |
| B : Overall height (Folding roll bar)         | mm    | 2,150 (1,450) |
| C : Rear-end swing radius                     | mm    | 825           |
| C' : Rear-end swing length (with roll bar)    | mm    | 760           |
| D : Min. ground clearance                     | mm    | 130           |
| E : Horizontal distance of blade installation | mm    | 885           |
| F : Undercarriage length                      | mm    | 1,360         |
| G : Undercarriage width: Extended / Retracted | mm    | 1,000 / 760   |
| G' : Blade width: Extended / Retracted        | mm    | 1,000 / 780   |
| H : Distance between tumbler                  | mm    | 1,040         |
| I : Track shoe width                          | mm    | 180           |
| J : Max. transport length (Folding roll bar)  | mm    | 3,020 (3,090) |
| K : Overall height of boom                    | mm    | 970           |

## Working Ranges

| Item                                                     | Model | AX10U-7             |
|----------------------------------------------------------|-------|---------------------|
| A : Max. digging reach                                   | mm    | 3,220               |
| B : Max. digging depth                                   | mm    | 1,780               |
| C : Max. cutting height                                  | mm    | 3,010               |
| D : Max. dumping height                                  | mm    | 2,220               |
| E : Min. swing radius (At max. boom swing)               | mm    | 1,310 (1,100)       |
| F : Blade bottom highest position above ground           | mm    | 220                 |
| G : Blade bottom lowest position above ground            | mm    | 190                 |
| H : Max. vertical wall                                   | mm    | 1,670               |
| I / I' : Offset distance (Max. boom-swing angle degrees) | mm    | 420 (55) / 535 (65) |

- Thoroughly read the operation manual before using this machine to ensure correct and safe usage.
  - Specifications and appearance are subject to change without notice.
  - The photos used in this catalog were taken specifically for the catalog.
- When you leave the machine, be sure to follow the instructions in the operation manual.

### SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.

