Standard Accessories

- Pile Stage
- Chuck Stage
- Auger Head Replacement Attachment *
- Casing Scraper *
- Pile Roller
- Hose Roller
- Pile Laser
- Module Box

Optional Accessories

- Pile Jet Reel (JR28)

For more information, please visit:

SILENT PILER™
F201A
for U Sheet Piles
500-600mm wide

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Silent Piler F201A

**Flexible and Functional Formula**

The F201A features a new modular design developed by optimising all the parts and drastically modifying the structure, shape, and material. Not only are the main component parts more versatile, it is also equipped with a cutting-edge control system, realising high functionality and longer operation life.

"SILENT PILER" is a registered trademark or trademark of GIKEN LTD. in the United States and other countries.

**Applications**

Applicable to 500-600mm wide U Sheet Pile and soft to hard ground conditions

F201A has wider adoptability and is applicable to Standard Mode, Water Jetting Mode, and Super Crush Mode and 500mm, 600mm wide U sheet pile by changing the chuck and chuck frame, and equipping suitable attachments.

**Longer Operational Life and Higher Functionality by New Control System**

The new control system manages the position of the press-in machine and controls load generation from press-in work during operation, maximising the durability of each part. Also, control of the machine is remarkably improved by the Press-in Force Control System and the Phaseless Linear Auger Torque Control System.

Penetration modes corresponding to the Chuck is automatically detected.

Position of the Press-in Machine is automatically detected.

Up/Down Stroke Force is optimised.

Load applied to Silent Piler can be reduced.

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3 Pile Installation into Hard Ground

The “Pilot Coring Theory”, GIKEN’s original theory, makes the Hard Ground Press-in Method able to install sheet piles into difficult ground conditions such as gravelly soil and cobble or boulder mixed soil without losing the advantages of the Press-in Method. The augering area can be reduced to assist pile installation, minimising volume of spoil and disturbance to the soil strata. Hence, high bearing capacity is available from sheet piles which are installed by the Hard Ground Press-in Method.

4 New Generation Power Unit EU300K4

Low Emission Engine

The Power Unit of the F201A is a new generation model and has environmentally friendly specifications. It is designed with strict concepts for clean emissions with high combustion efficiency and GIKEN’s original hydraulic control technologies. It clears allowable construction noise levels in many industrialised countries.

Ultra Low Noise Level

The F201A uses bio-degradable Piler Eco Oil and Piler Eco Grease. Hence, if hydraulic oil or grease is spilled into soil or water, there will be no environmental damage to the surrounding ecosystem. In addition, the machines are painted with TX-Free non-leaded paint.

Standard Application of Biodegradable Oil

The Power Unit of the F201A is a new generation model and has environmentally friendly specifications. It is designed with strict concepts for clean emissions with high combustion efficiency and GIKEN’s original hydraulic control technologies. It clears allowable construction noise levels in many industrialised countries.

5 Scientific Execution of Press-in Work & Advanced IT Functions

GIKEN IT System

GIKEN’s engineers can monitor individual Silent Pilers, such as operating condition, maintenance records and location. Quick advice for any technical troubles is available promptly and appropriate information can also be provided to prevent troubles.

Press-in Monitoring and Data Logging System

Press-in monitoring data can be used for quality control and information modeling of the foundation. Operators are able to keep working while checking data such as press-in force, auger torque, and working hours of press-in work, on a tablet or PC (both optional extras).

Scientific Execution of Press-in Work & Advanced IT Functions

Press-in monitoring data can be used for quality control and information modeling of the foundation. Operators are able to keep working while checking data such as press-in force, auger torque, and working hours of press-in work, on a tablet or PC (both optional extras).
### Dimensions & Specifications

#### F201A Specifications

**Super Crush Mode**

- **Max. Press-in Force**: 1500 kN
- **Max. Extraction Force**: 1600 kN
- **Stroke**: 850 mm
- **Press-in Speed**: 1.4 m/min
- **Extraction Speed**: 1.1 m/min
- **Control System**: Radio Control
- **Chuck Mass**: Freedom (Sancho Model)

**Water Jetting Mode**

- **Max. Press-in Force**: 1500 kN
- **Max. Extraction Force**: 1600 kN
- **Stroke**: 850 mm
- **Press-in Speed**: 1.4 m/min
- **Extraction Speed**: 1.1 m/min
- **Control System**: Radio Control

**Standard Mode**

- **Max. Press-in Force**: 1500 kN
- **Max. Extraction Force**: 1600 kN
- **Stroke**: 850 mm
- **Press-in Speed**: 1.4 m/min
- **Extraction Speed**: 1.1 m/min
- **Control System**: Radio Control

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#### Power Unit

- **Rated Output**: 265 kW (360 hp) / 1800 min⁻¹
- **Fuel Tank Capacity**: 600 L
- **Piler ECO Oil**: 630 L
- **Urea Additive Tank Capacity**: 38 L
- **Moving Speed**: 1.4 km/h
- **Mass**: 7250 kg (with 20m Hose)

#### Reaction Stand

- **Mass**: 1900 kg (with Leveling Jack)
- **Max. Press-in Force**: 800 kN
- **Max. Extraction Force**: 900 kN
- **Stroke**: 850 mm
- **Press-in Speed**: 0.5 m/min
- **Extraction Speed**: 4.5 m/min
- **Control System**: Radio Control
- **Chuck Mass**: Freedom (Sancho Model)

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The above specifications are subject to alteration without prior notice.
Standard Accessories

- Pile Stage
- Chuck Stage
- Auger Head Replacement Attachment
- Casing Scraper
- Pile Roller
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