Standard Accessories

- Pile Stage
- Chuck Stage
- Auger Head Replacement Attachment
- Casing Scraper
- Casing
- Roller Holder
- Pile Roller
- Hose Roller
- Cable Hanger
- Pile Laser
- Module Box

Optional Accessories

- Pile Jet Reel (J218)
- Auger Head

500-600mm wide

- 580 Twin Blades (Retractable)
- 540 Triple Blades
- 580 Twin Blades (Retractable)
- 540 Triple Blades

* Available for Super Crush Mode only.

- Pile Roller
- Pile Laser
- Module Box

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

- Roller Holder
- Hose Roller
- Cable Hanger
- Pile Laser
- Module Box

- 500-600mm wide
- 580 Twin Blades
- 580 Twin Blades (Retractable)
- 540 Triple Blades

* Available for Super Crush Mode only.
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, and 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.

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

F201A has wider adaptability 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.

2 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.
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.

Ultra Low Noise Level

It clears allowable construction noise levels in many industrialised countries.

Standard Application of Biodegradable Oil

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.}

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).
The above specifications are subject to alteration without prior notice.

**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: 950 kg

**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
- Chuck Mass: 950 kg

**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
- Chuck Mass: 950 kg

**F201A Specifications**

**Power Unit**
- Rated Output: 3450 kW
- Fuel Tank Capacity: 630 L
- Hydraulic Reservoir: 38 L
- Urea Additive Tank Capacity: 600 L
- Moving Speed: 1.4 km/h
- Mass: 1805 kg

**Reaction Stand**
- Mass: 2000 kg

**Chuck Mass**
- Standard Mode Chuck: 950 kg
- Super Crush Mode Chuck: 1366 kg

**Hose Reel**
- Mass: 2820 kg
- 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
- Mass: 950 kg

**Piler Jet Reel**
- Mass: 1720 kg
- Max. Press-in Force: 1265 kN
- Max. Extraction Force: 1350 kN
- Stroke: 850 mm
- Press-in Speed: 1.4 m/min
- Extraction Speed: 1.1 m/min
- Control System: Radio Control
- Mass: 950 kg

**Casing Auger**
- Mass: 4430 kg
- Max. Press-in Force: 1265 kN
- Max. Extraction Force: 1350 kN
- Stroke: 850 mm
- Press-in Speed: 1.4 m/min
- Extraction Speed: 1.1 m/min
- Control System: Radio Control
- Mass: 950 kg

**For 500-600 mm wide Super Crush Mode Chuck**
- Mass: 1295 kg

**PA22**
- Mass: 1560 kg
- Applicable pile length: 24 m

**Hose Reel**
- Mass: 3810 kg
- 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
- Mass: 950 kg

**F201A-C500**
- For 500-600 mm wide Super Crush Mode Chuck

**F201A-C600**
- For 500-600 mm wide Super Crush Mode Chuck

**Reaction Stand (with Leveling Jack)**
- Mass: 3450 kg
- 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
- Mass: 950 kg

**For 500-600 mm wide Super Crush Mode Chuck**
- Mass: 1295 kg

**For 500-600 mm wide Standard Mode Chuck**
- Mass: 1200 kg

**For 500-600 mm wide Water Jetting Mode Chuck**
- Mass: 1200 kg

**Power Source**
- 100% ECO Oil
Standard Accessories

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

Optional Accessories

- Piler Jet Reed (L/R/28)

*Available for Super Crush Mode only.

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