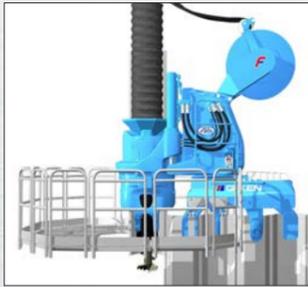


Standard Accessories

* Available for Super Crush Mode only.



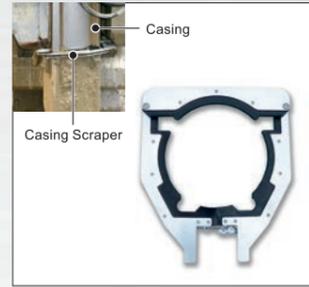
PILER STAGE™



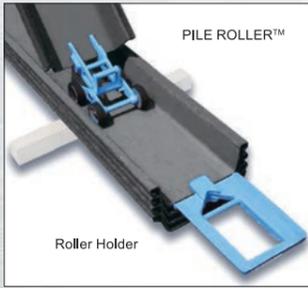
Chuck Stage *



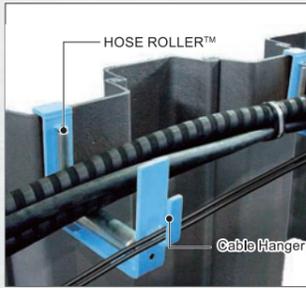
Auger Head Replacement Attachment *



Casing Scraper *



PILE ROLLER™



HOSE ROLLER™



PILE LASER™



Module Box



■ **Optional Accessories**



PILER JET REEL™ (JR28)



GIKEN

SILENT PILER™
F201
 for U Sheet Piles
 400-600mm wide

GIKEN

Construction Solutions Company

www.giken.com

CONTACT US



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Modular model applicable to U Sheet Piles (400-600mm wide)

SILENT PILER™ F201

SILENT PILER™ F201

Flexible and Functional Formula

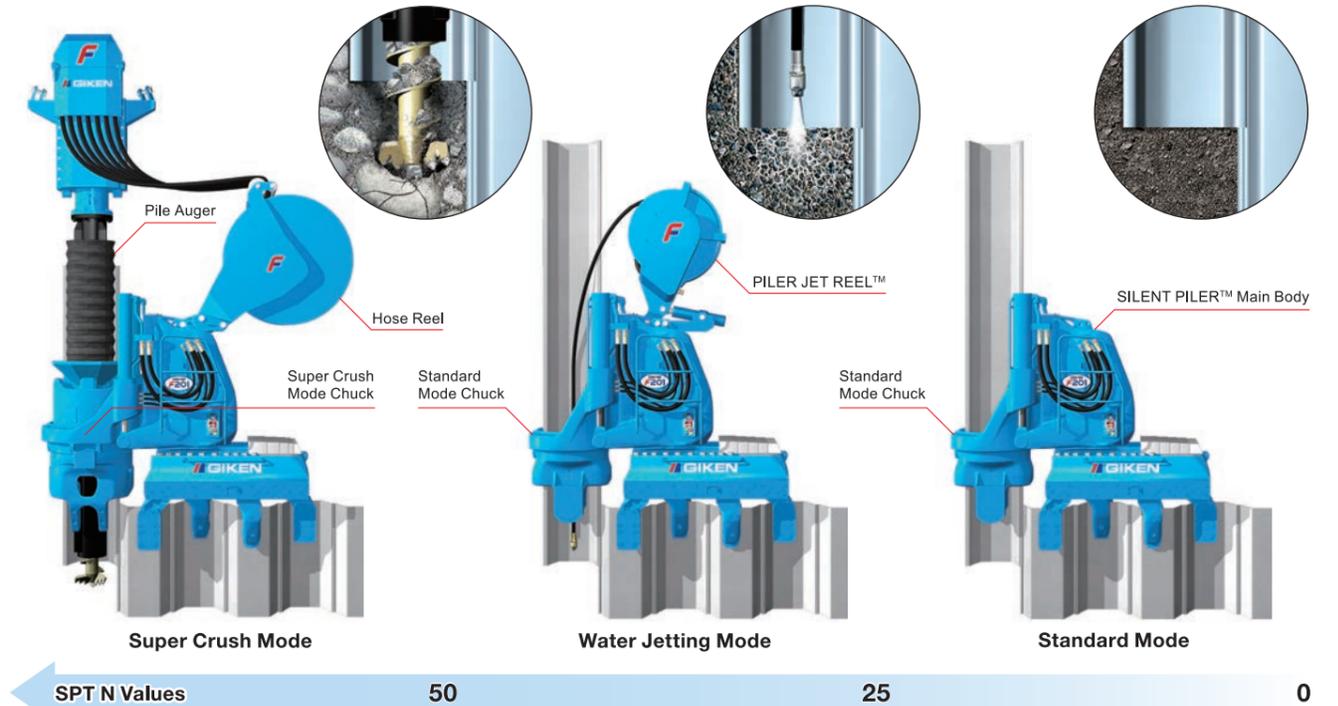
The F201 features a new modular design developed by optimising all the parts and drastically modifying the structure, shape, and material. Not only are the main component parts more versatile, it is also equipped with a cutting-edge control system, and realising high functionality and longer operation life.

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



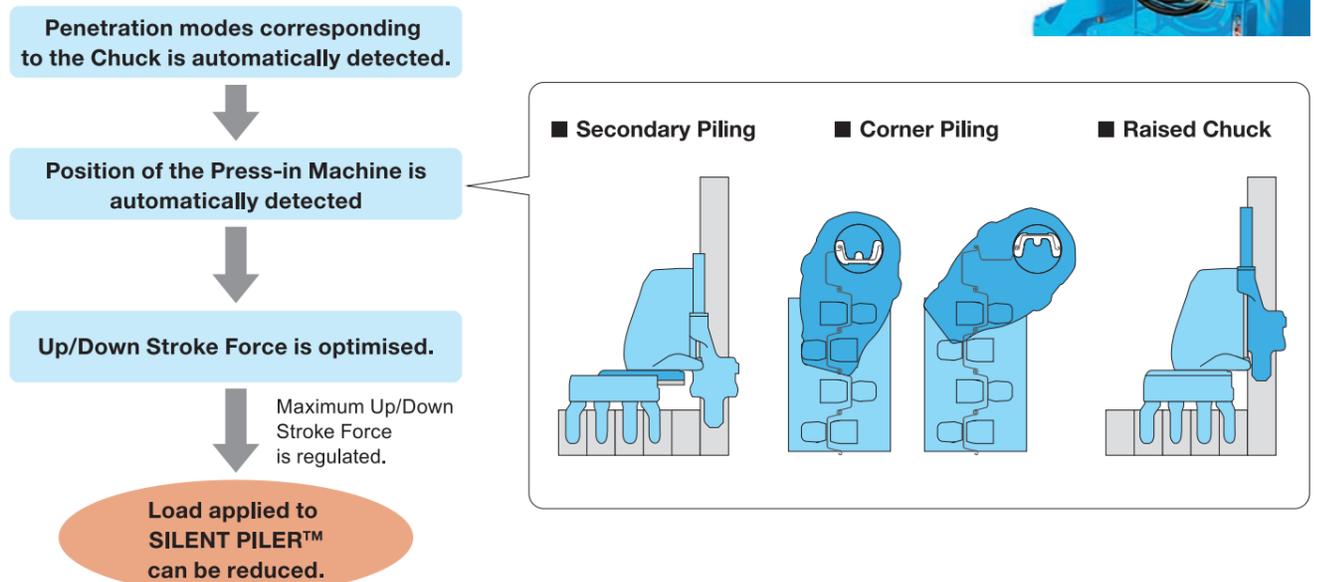
1 Applicable to 400-600mm wide U Sheet Pile and soft to hard ground conditions

F201 has wider adoptability and is applicable to Standard Mode, Water Jetting Mode, and Super Crush Mode and 400mm, 500mm and 600mm wide U sheet pile by changing the chuck and chuck frame, and equipping suitable attachments.



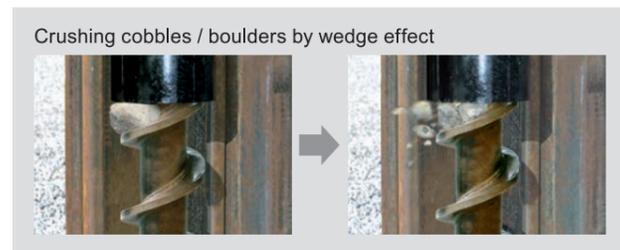
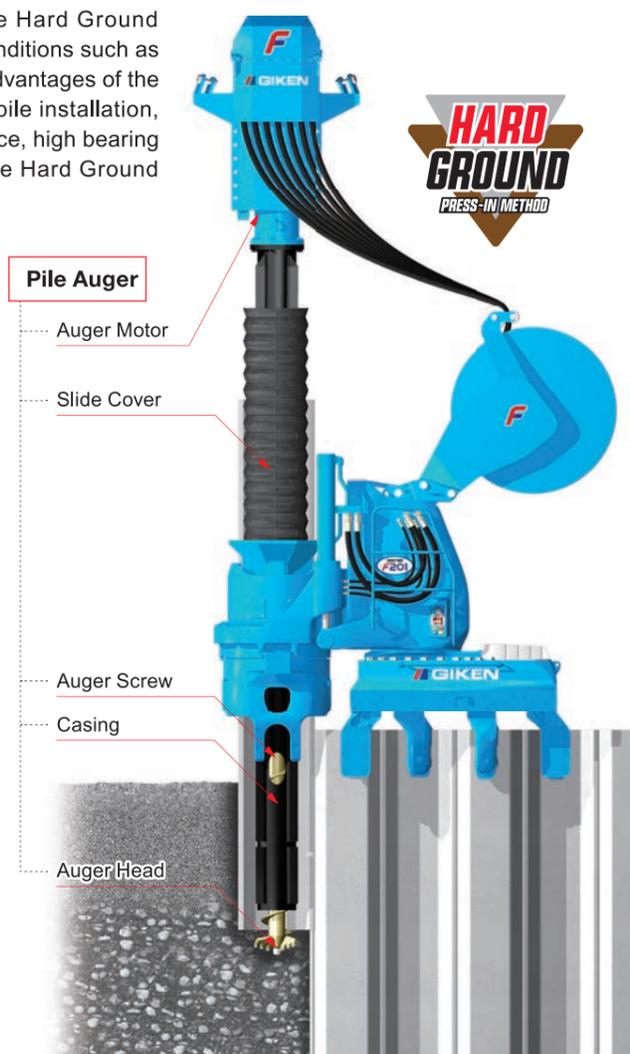
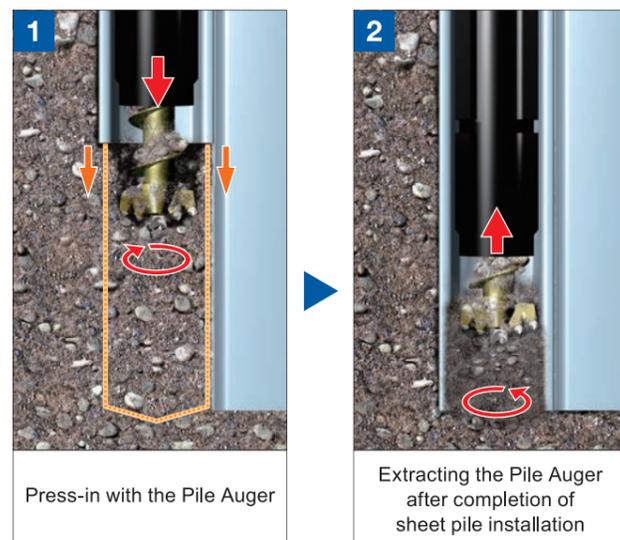
2 Longer Operational Life and Higher Functionality by New Control System

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.



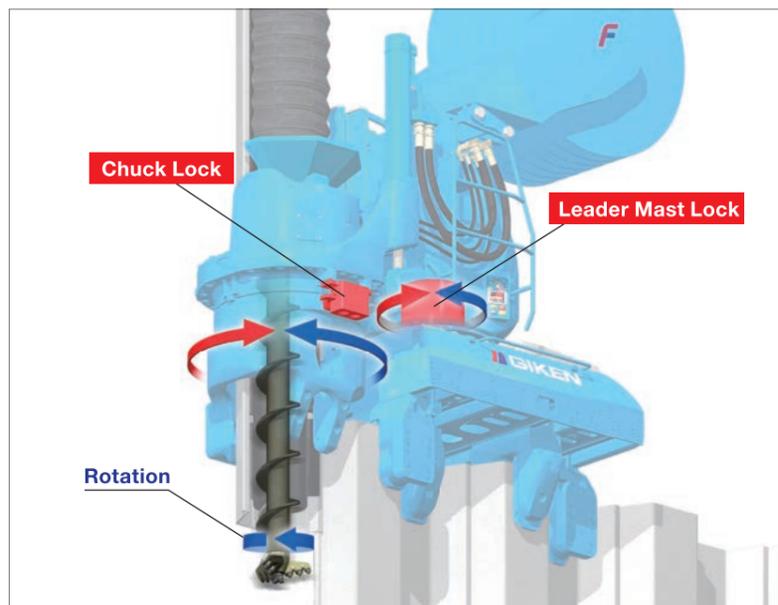
3 Pile Installation into Hard Ground

The "Pilot Coring Theory", GIKEN 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.



Locking Function

Lock functions in the leader mast, chuck and clamps secure SILENT PILER™ against drilling torque and increase drilling efficiency and accuracy of pile installation.



4 New Generation Power Unit EU300K4

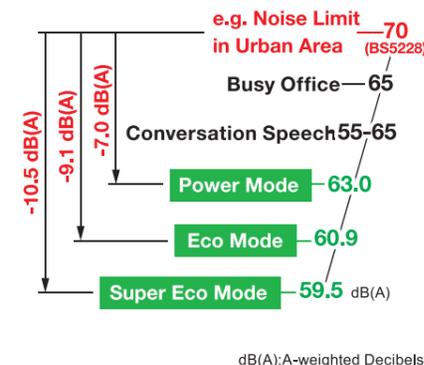
Low Emission Engine

The Power Unit of the F201 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 original hydraulic control technologies.



Ultra Low Noise Level

It clears allowable construction noise levels in many industrialised countries.



Standard Application of Biodegradable Oil

The F201 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-lead paint*.

* Environmentally-friendly paint which does not contain toluene, xylene and lead based pigment.



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

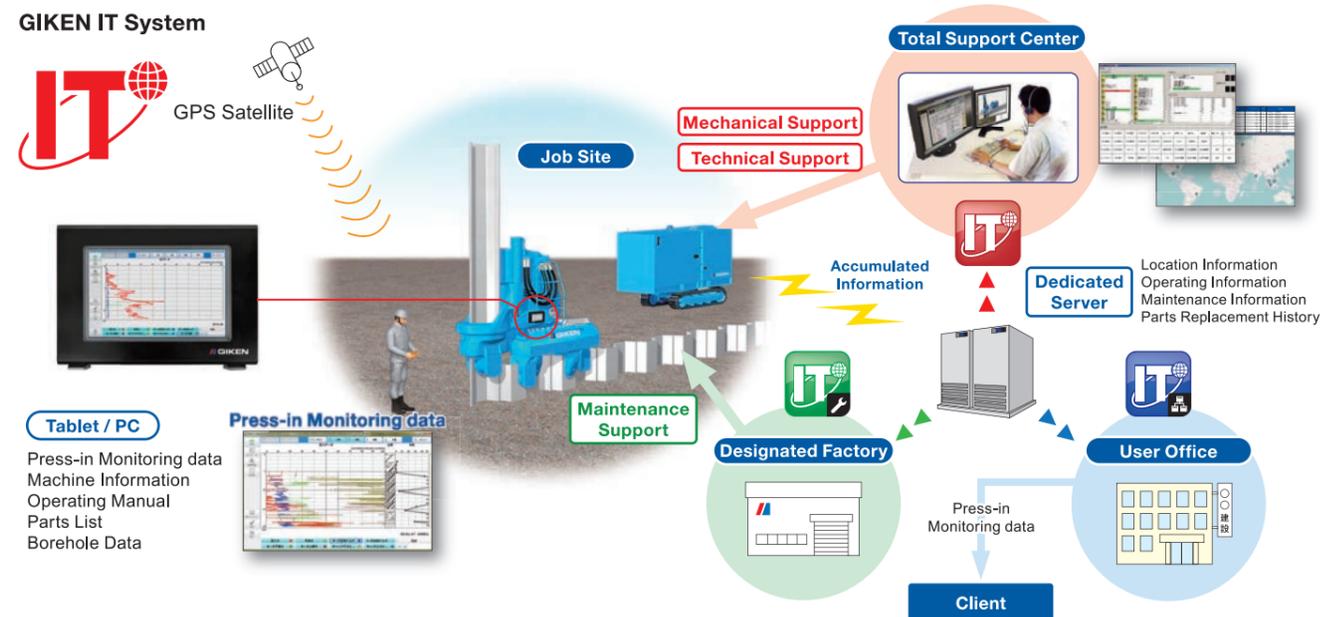
GIKEN IT System

GIKEN engineers can monitor individual SILENT PILER, 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.

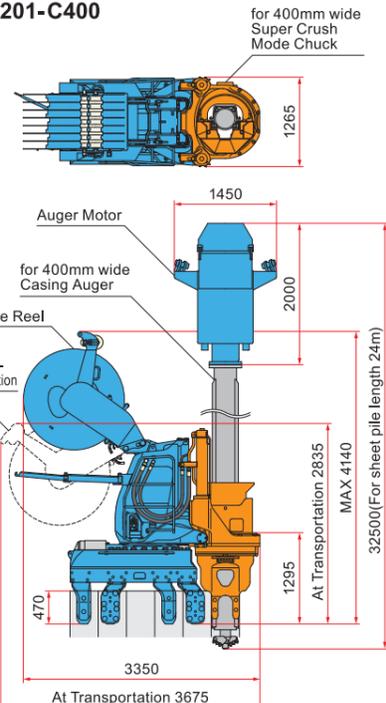
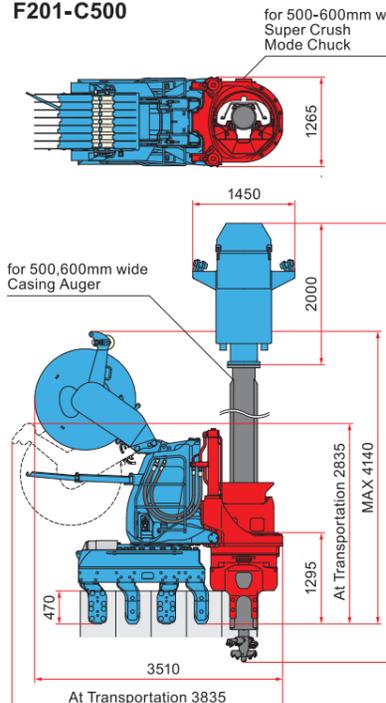
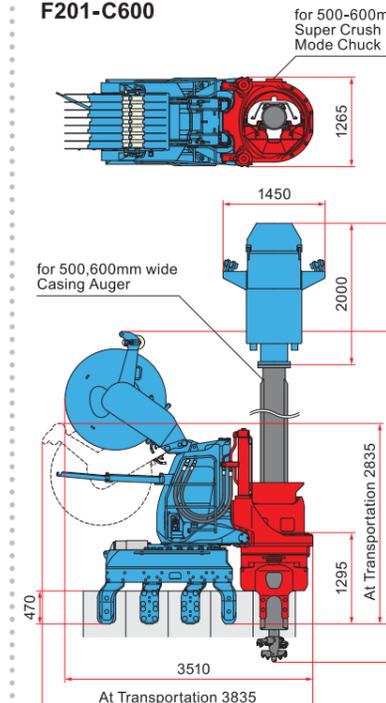
* The system is not available in the countries where authorisation for usage cannot be acquired.

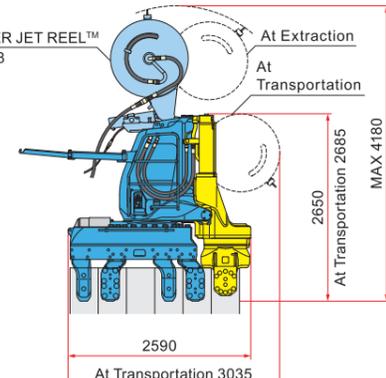
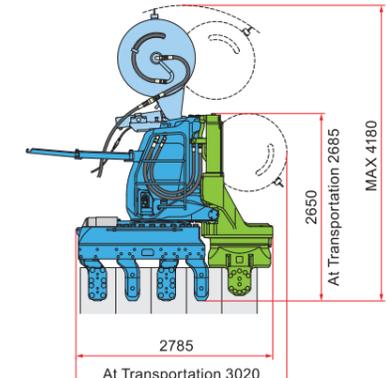
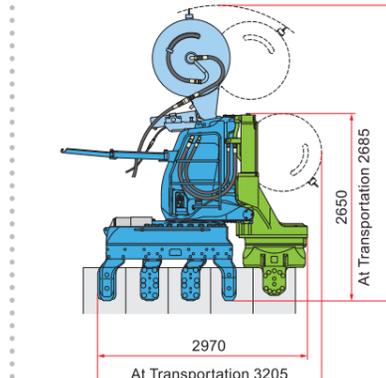
Press-in Monitoring and Data Logging System

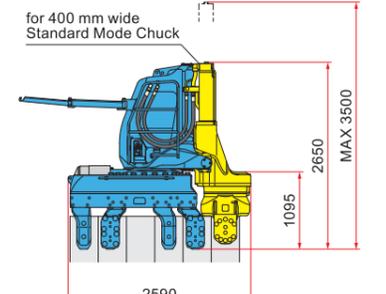
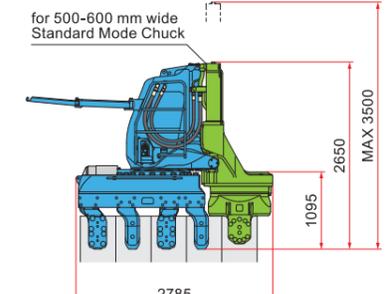
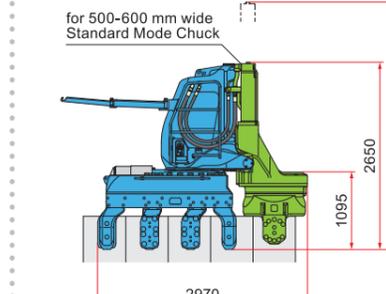
Press-in monitoring data can be used for quality control and information modelling of the foundation. Operators are able to keep working while checking data such as press-in force, auger torque, and working hours of press-in work, on a tablet or PC (both optional extras).



Dimensions & Specifications

	400mm wide	500mm wide	600mm wide
Super Crush Mode	F201-C400 for 400mm wide Super Crush Mode Chuck 	F201-C500 for 500-600mm wide Super Crush Mode Chuck 	F201-C600 for 500-600mm wide Super Crush Mode Chuck 

	400mm wide	500mm wide	600mm wide
Water Jetting Mode	F201-400 PILER JET REEL™ JR28 	F201-500 	F201-600 

	400mm wide	500mm wide	600mm wide
Standard Mode	F201-400 for 400 mm wide Standard Mode Chuck 	F201-500 for 500-600 mm wide Standard Mode Chuck 	F201-600 for 500-600 mm wide Standard Mode Chuck 

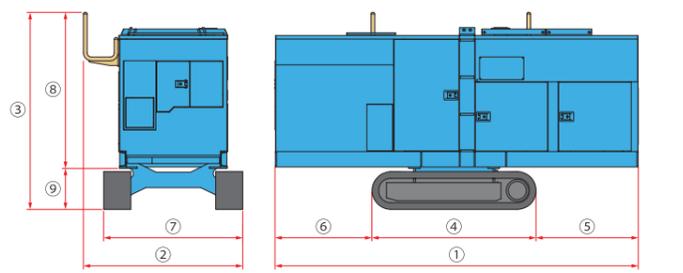
F201 Specifications

● Super Crush Mode	
Max. Press-in Force	800 kN
Max. Extraction Force	900 kN
Stroke	850 mm
Press-in Speed	0.5 ~ 4.5 m/min
Extraction Speed	1.1 ~ 9.4 m/min
Control System	Radio Control
Mass (Standard)	for 400mm wide sheet pile 13160 kg
(Main Body & Hose Reel)	for 500, 600mm wide sheet pile 13660 kg
Hose Reel HR17C	
Mass (Standard)	2810 kg (including Hose Reel Bracket)
Pile Auger PA22	
Applicable pile length (Standard)	Max 24 m*
Auger Motor	1850 kg
Casing Auger	for 400mm wide sheet pile 9050 kg
	for 500, 600mm wide sheet pile 10050 kg
Total Mass (Standard)	for 400mm wide sheet pile 10900 kg
	for 500, 600mm wide sheet pile 11900 kg
*Max 30m in special mode	

● Water Jetting Mode	
Max. Press-in Force	1500 kN
Max. Extraction Force	1600 kN
Stroke	850 mm
Press-in Speed	1.4 ~ 30.0 m/min
Extraction Speed	1.1 ~ 23.2 m/min
Control System	Radio Control
Mass (Standard)	for 400mm wide sheet pile 10840 kg
(Main Body & PILER JET REEL)	for 500, 600mm wide sheet pile 11140 kg
PILER JET REEL™ JR28	
Applicable pile length	Standard 17.0 m (Max. 27.0 m)
Mass (Standard)	840 kg
PILER JET REEL is an optional item	

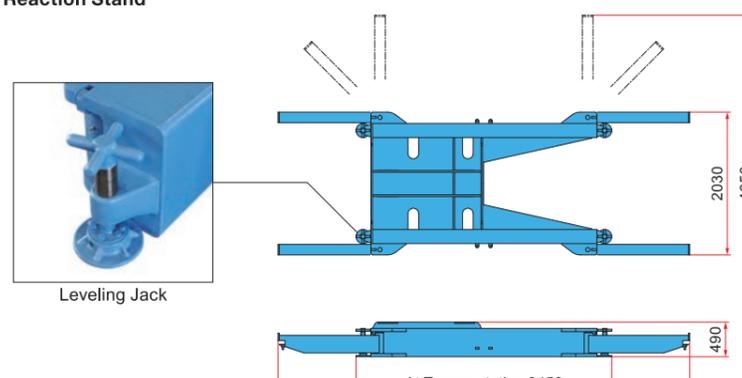
● Standard Mode	
Max. Press-in Force	1500 kN
Max. Extraction Force	1600 kN
Stroke	850 mm
Press-in Speed	1.4 ~ 30.0 m/min
Extraction Speed	1.1 ~ 23.2 m/min
Control System	Radio Control
Mass (Main Body)	for 400mm wide sheet pile 10000 kg
	for 500, 600mm wide sheet pile 10300 kg

Power Unit



Specifications	EU300K4	EU300L5
① Overall length	4310 mm	4700 mm
② Overall width	2065 mm	
③ Overall height	2550 mm	
④ Crawler length	2110 mm	
⑤ Crawler position (from front end)	1010 mm	1330 mm
⑥ Crawler position (from rear end)	1190 mm	1260 mm
⑦ Crawler width	1800 mm	
⑧ Power Unit height	2005 mm	
⑨ Crawler height	545 mm	
Power Source	Diesel Engine	
Rated Output	265 kW/1800 min ⁻¹	255 kW/1800 min ⁻¹
Fuel Tank Capacity	600 L	500 L
Hydraulic Reservoir	PILER ECO™ Oil 630 L	PILER ECO™ Oil 490 L
Urea Additive Tank Capacity	38 L	57 L
Mass	20 m Super Crush hose (Standard)	7250 kg
	30 m Super Crush hose	7550 kg

Reaction Stand



Leveling Jack

At Transportation 3450

5600

2030

4650

490

Reaction Stand (with Leveling Jack)	
Mass	1850 kg

Chuck Mass

Sheet Pile Width	Standard Mode Chuck	Super Crush Mode Chuck
400 mm	2550 kg	2900 kg
500, 600 mm	2850 kg	3400 kg

The above specifications are subject to alteration without prior notice.