

 **GIKEN**

SILENT PILER **F101**

for U Sheet Piles
400mm wide



Extremely Sophisticated Modular Model for 400mm U Sheet Pile

SILENT PILER F101

Silent Piler F101

Flexible and Functional Formula

The F101 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.

3-Clamp Total Mass*1 **12.4t***2

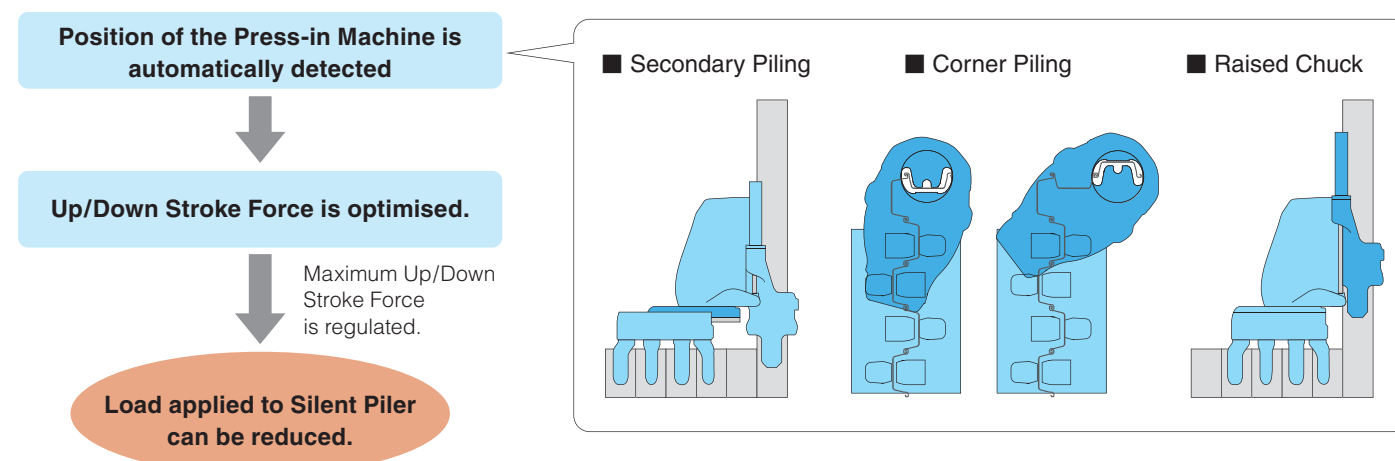
4-Clamp Total Mass*1 **12.9t***2

*1 Silent Piler Main Body, Power Unit, Reaction Stand
*2 In Metric System



1 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 improved by the Press-in Force Control System.



2 Outstanding Environmentally-Friendly Design

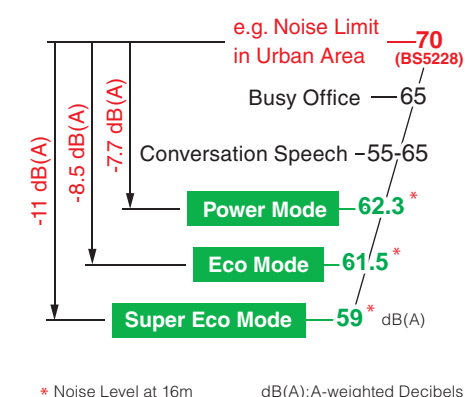
Low Emission Engine

The Power Unit of the F101 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 F101 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*.

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



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

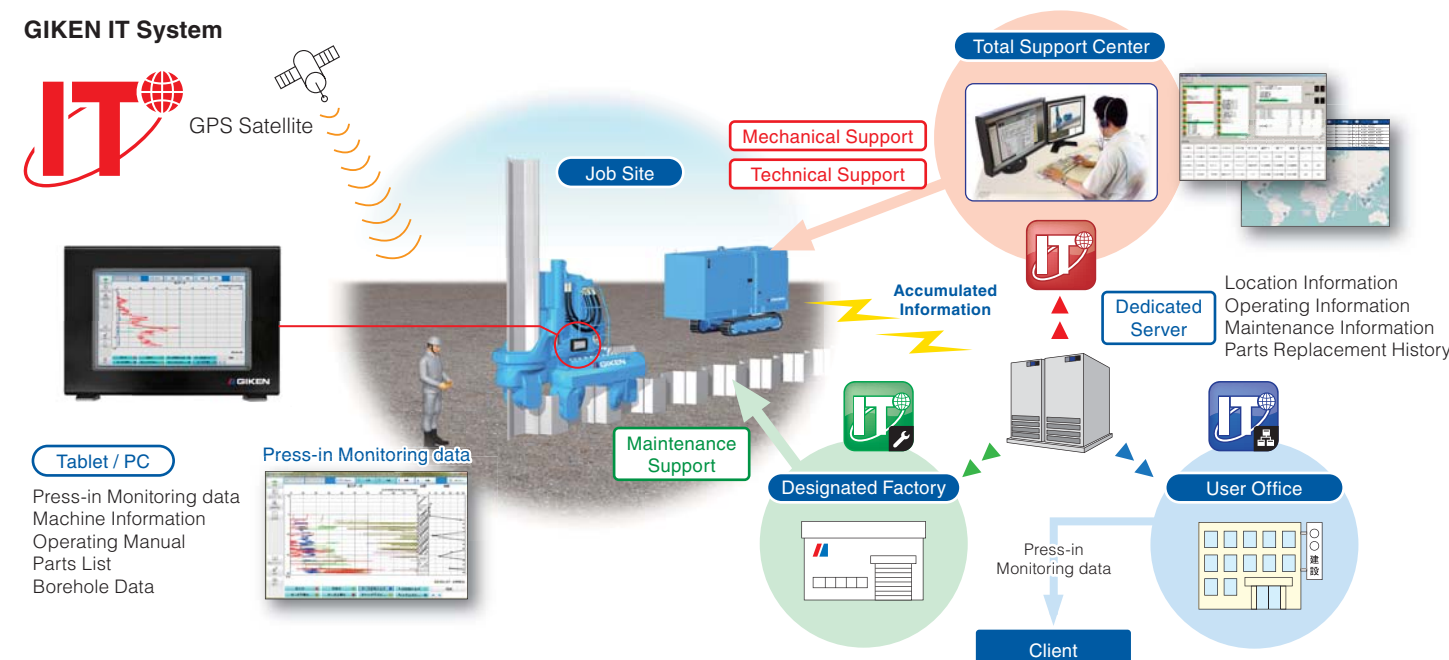
GIKEN IT System

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.

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

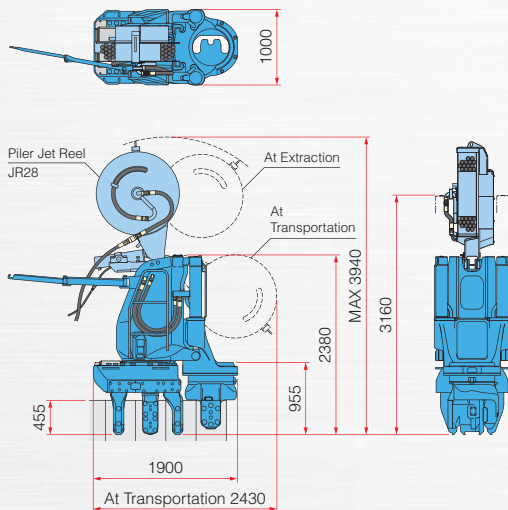
Press-in Monitoring and Data Logging System

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 and working hours of press-in work, on a tablet or PC (both optional extras).

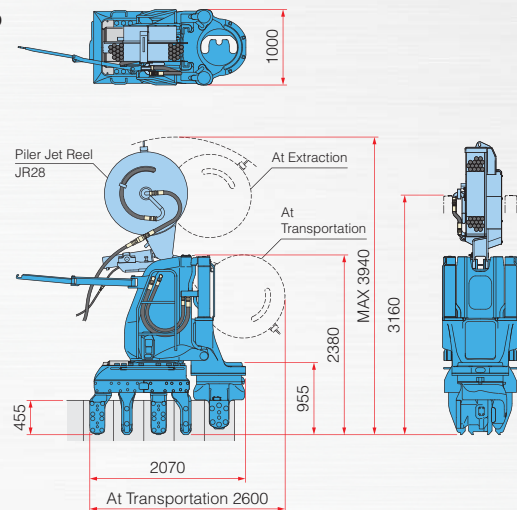


Dimensions & Specifications

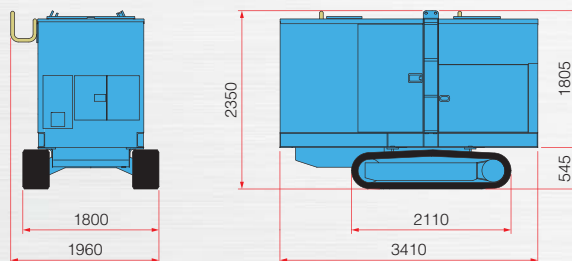
3-Clamp



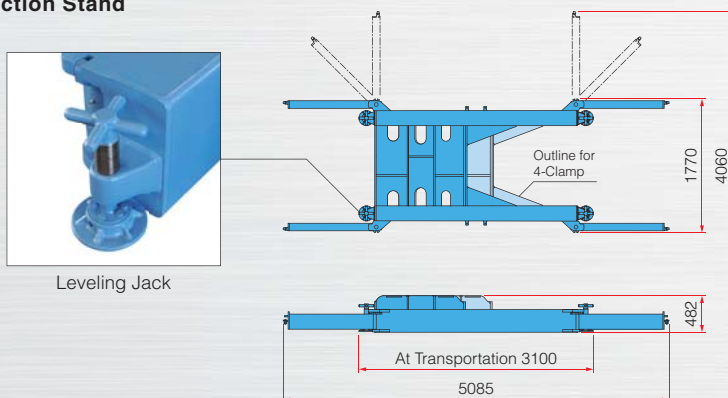
4-Clamp



Power Unit



Reaction Stand



Leveling Jack

SILENT PILER		F101
Applicable sheet piles	U Sheet Pile 400mm wide SPⅡ, Ⅲ, Ⅳ	
Max. Press-in Force	800 kN	
Max. Extraction Force	900 kN	
Stroke	800 mm	
Press-in Speed	2.5 ~ 35.7 m/min	
Extraction Speed	1.9 ~ 26.9 m/min	
Control System	Radio Control	
Mass	Water Jetting Mode (Main Body & Piler Jet Reel)	3-Clamp 6220 kg
		4-Clamp 6620 kg
	Standard Mode (Main Body)	3-Clamp 5400 kg
		4-Clamp 5800 kg

Piler Jet Reel		JR28
Applicable pile length	Standard 17.0 m (Max. 27.0 m)	
Mass	820 kg	

Piler Jet Reel is an optional item

Power Unit		EU200I3
Power Source		Diesel Engine
Rated Output	Power Mode	195 kW (265 ps) /1800 min ⁻¹
	Eco Mode	173 kW (235 ps) /1600 min ⁻¹
	Super Eco Mode	152 kW (207 ps) /1400 min ⁻¹
Fuel Tank Capacity		400 L
Hydraulic Reservoir		Piler ECO Oil 490 L
Moving Speed		1.4 km/h
Mass		5750 kg(with 20m Hose)
Reaction Stand (with Leveling Jack)		
Mass	3-Clamp	1200 kg
	4-Clamp	1300 kg

The above specifications are subject to alteration without prior notice.

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