

**SILENT PIER**

# **SUPER AUTO**

**SA 75-100**

**YELLOW  
SERIES**

Safety, Happiness, & Challenge



**GIKEN**



New Specifications & New Senses for the New Age

# New History of the Press-in Method begins with "Super"!



Creating New Press-in Method !

Changing the Sense of Value !

Shifting the Generation !

Evolutional Sensation in the Press-in Industry !

## Super Compact

**Simple Design with Latest Technology**

The Super Auto Series, the new model of Silent Piler for the next age, are developed with evolutionary design concepts. With adaption of high-tech devices, GIKEN succeeds in compactification and improving operation sensibilities just like human skin sensation. Since the compact Super Auto enables to easily access to where there is overhead obstacle and narrow piling location, they can work under various site restrictions.



## Super Light

**Ultimate Machine Weight, 3.9 tons**

The ultimate downsizing has brought "lightness" to Super Auto. It enables to expand the working radius of service crane and transportation gets much easier. The Silent Piler main body can be set on the reaction stand in the transportation, and one 11 ton lorry is enough for transportation including the Power Unit with crawler.



## Super Speed

**The Press-in Speed is 1.3 times faster than Previous Models**

The ultra-low noise multi-purpose Power Unit makes Super Auto perform with super speed. The speed of press-in stroke is sensational.



## Super Power

**The engine has the output of 95 kw (130 HP)**

The Power Unit has new design with 95 kw (130 HP) engine. The engine revolution can be changed to 3 modes (1600, 1800 & 2000) by the acceleration lever in the Power Unit to flexibly adjust to various ground conditions and working environment.



## Super Automatic

**The Best Press-in Operation by Automatic Operation System**

Press-in and extraction operations are automatically controlled by setting the most efficient press-in force and the both press-in stroke and extraction stroke at each ground condition. Since those information are displayed with digital figures on the monitor, operators can easily recognise piling situation for consistent best performance on each sheet pile. GIKEN's automatic operation system has entered into the new era.



## Super Operation

**Higher Operability by Computerised Control Technologies**

The refined wireless control system leads the new era. The new radio control transmitter has 24 channels to enable to adapt future development of auxiliary equipments with wireless control. The rounded shape gives modern design impression. Silent Piler's maintenance stability and reliability are improved by exchanging data for mechanical trouble shootings.

**Transmitter** : Drip-proofing & Dust-proofing with Low Electric Power Model, Special NiCad Battery, Weight: 620 g, with an original cable controller as a substitute controller.

\* The radio controller is an optional item in outside Japan.

## Super Jet System

**Integration of Water Jetting with Press-in**

The Jet Reel is developed for Silent Piler. Since it is mounted on the top of the Silent Piler, you can save a space for placing water hoses. Furthermore, during press-in operation, the Jet Reel rewinds and feeds jet hose automatically. It greatly improves work efficiency and work safety. The Jet Reel can be easily folded for smooth transportation.

\* The Jet Reel is an optional item.



\* The above information is about Super Auto 75. Please refer the specifications in the back page for the information of Super Auto 100.

**Specifications**

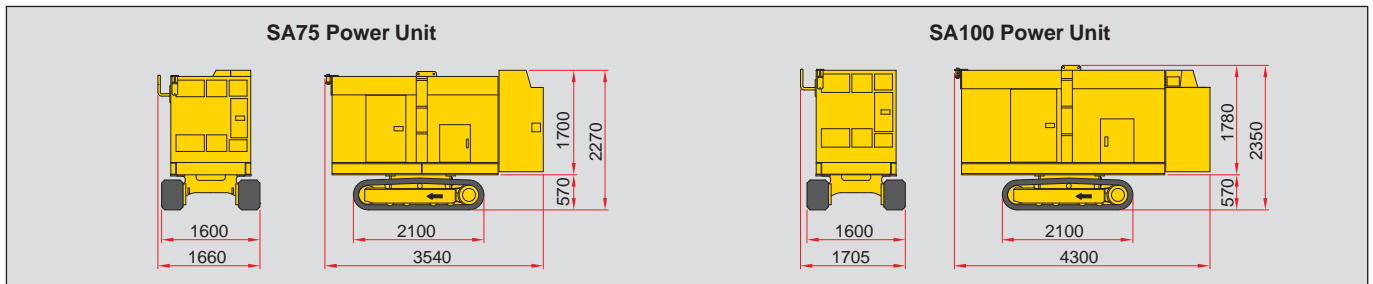
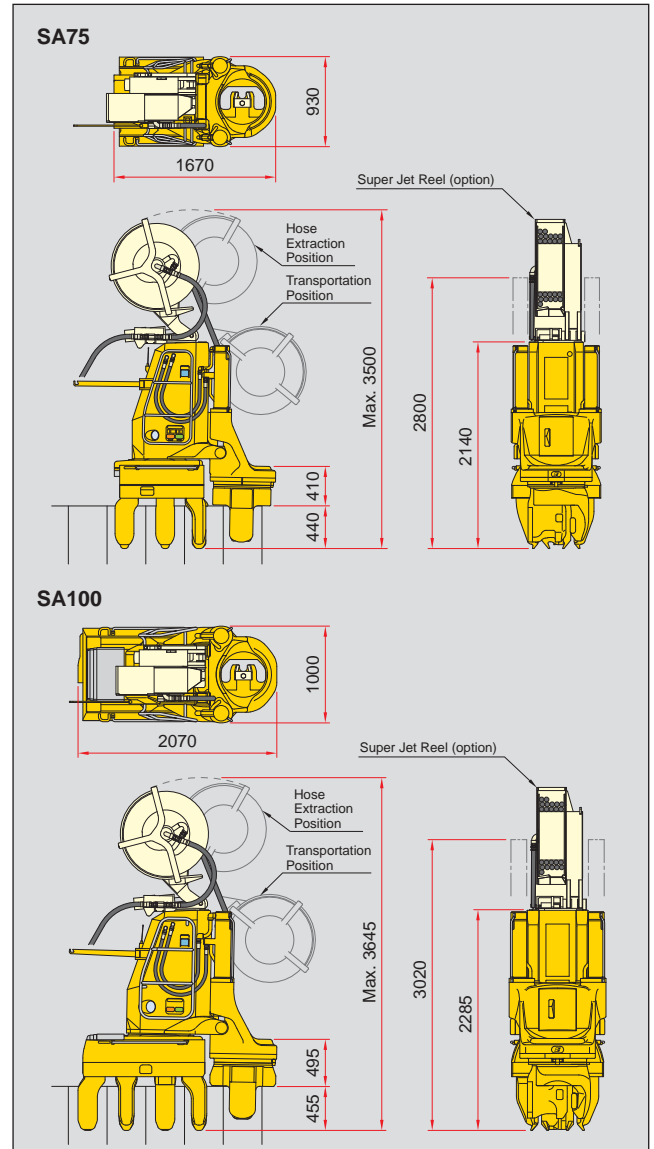
	SA75	SA100	
<b>Silent Piler</b>	Max. Press-in Force	750 kN	1000 kN
	Max. Extraction Force	800 kN	1100 kN
	Stroke	700 mm	750 mm
	Press-in Speed	(1800 min <sup>-1</sup> ) 4.5~16.7 m/min	(2000 min <sup>-1</sup> ) 1.5~35.2 m/min
		(2000 min <sup>-1</sup> ) 5.0~16.7 m/min	
	Extraction Speed	(1800 min <sup>-1</sup> ) 4.8~14.1 m/min	(2000 min <sup>-1</sup> ) 3.2~27.5 m/min
		(2000 min <sup>-1</sup> ) 5.3~14.1 m/min	
	Applicable sheet piles	Type Ia, II, IIa, III, IIIa, IV, IVa	
	Control System	Radio Control (※optional)	
	Movement	Self-Moving	
Length	1,670 mm	2,070 mm	
Width	930 mm	1,000 mm	
Height	2,140 mm	2,285 mm	
Mass	3,900 kg	5,900 kg	
<b>Power Unit</b>	Power Source	Diesel Engine (with Turbo)	
	Rated Output	88 kW (120 PS) /1800 min <sup>-1</sup>	169 kW (230 PS) /1800 min <sup>-1</sup>
		95 kW (130 PS) /2000 min <sup>-1</sup>	
	Fuel Tank Capacity	200 L	375 L
	Hydraulic Oil Tank Capacity	400 L	550 L
	Length	3,540 mm (**)	4,300 mm (**)
	Width	1,660 mm (**)	1,705 mm (**)
	Height	2,270 mm (**)	2,350 mm (**)
	Mass (*)	3,100 kg	4,500 kg
	Total Mass (**)	4,700 kg (**)	6,100 kg (**)
<b>Crawler</b>	Control System	Cable Control	
	Mobile Source	2 Hydraulic pumps x 2 Hydraulic motors (Diverged from the Power Unit)	
	Mobile Speed	1.4 km/h	
<b>Reaction Stand</b>	Type	Arm Type	
	Length	2,680 mm	
	Mass	1,140 kg	1,270 kg

\* Including 20m long hydraulic hoses, full fuel & rating volume of hydraulic oil.

\*\* With Multi-Box & the Crawler.

**Multi-Box**

- The necessary tools for sheet piling works are stored compactly.
- A direct current welding machine: output electric current 50A-190A (Duty Cycle 40%). φ 4 mm welding rod can be used.
- Gas cutting gear
- Standard maintenance tools
- Mass: 600kg (No gas cylinder)



\* The above specifications are subject to alteration without prior notice.