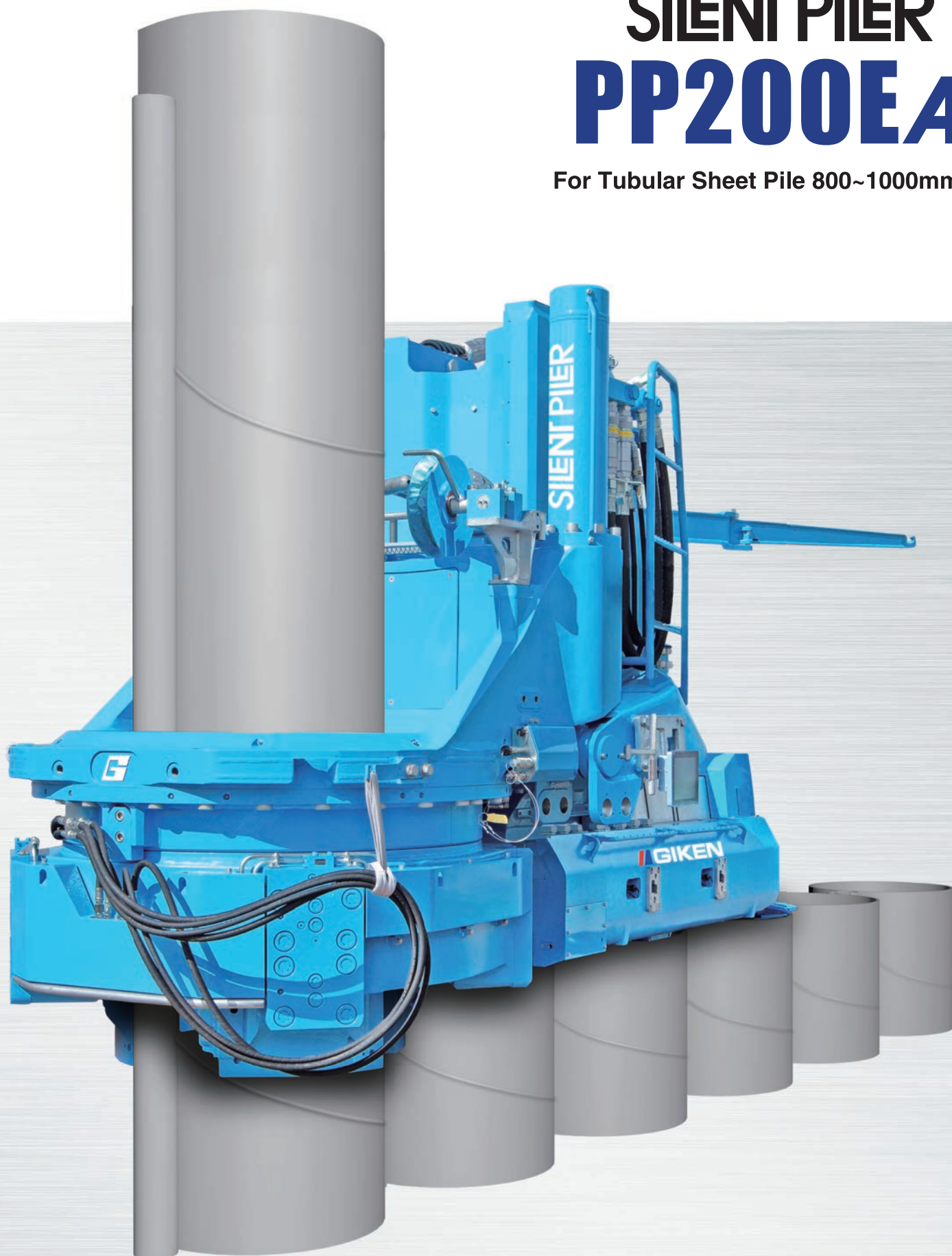


GIKEN

SILENT PILER™ PP200EA

For Tubular Sheet Pile 800~1000mm



Press-in machine dedicated for tubular sheet pile
and are compatible with diameters from 800 - 1,000

SILENT PILER™ PP200EA

SILENT PILER™ PP200EA

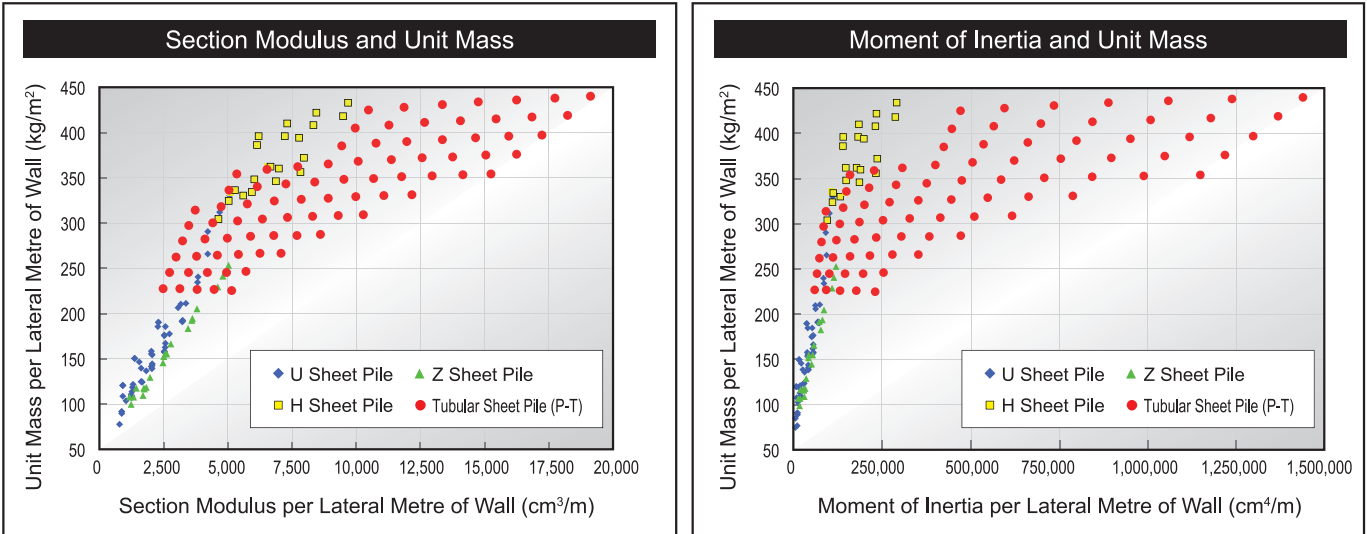
Efficient Construction of Robust Continuous Pile Walls Using High-Strength and Durable Pipe Piles with Interlocks

Tubular sheet pile are high-strength piles which are suited for port construction work, flood and tidal surge protection in river basins, anti-seismic reinforcement of bridge pillars, bridge foundations (pipe pile wall foundation), and so on. They can be adapted to different design criteria by altering the pile diameter and thickness, thus enabling efficient and intelligent construction of various structures for different purposes. The SILENT PILER PP200EA, which is compatible with pipe piles that have interlocks with outside diameters from 800 - 1,000, makes for a safe and ecofriendly construction project with minimal noise, imperceptible vibration, and slim-to-no risk of overturning.

SILENT PILER PP200EA

Cross-Sectional Performance Compared with Other Pile Types

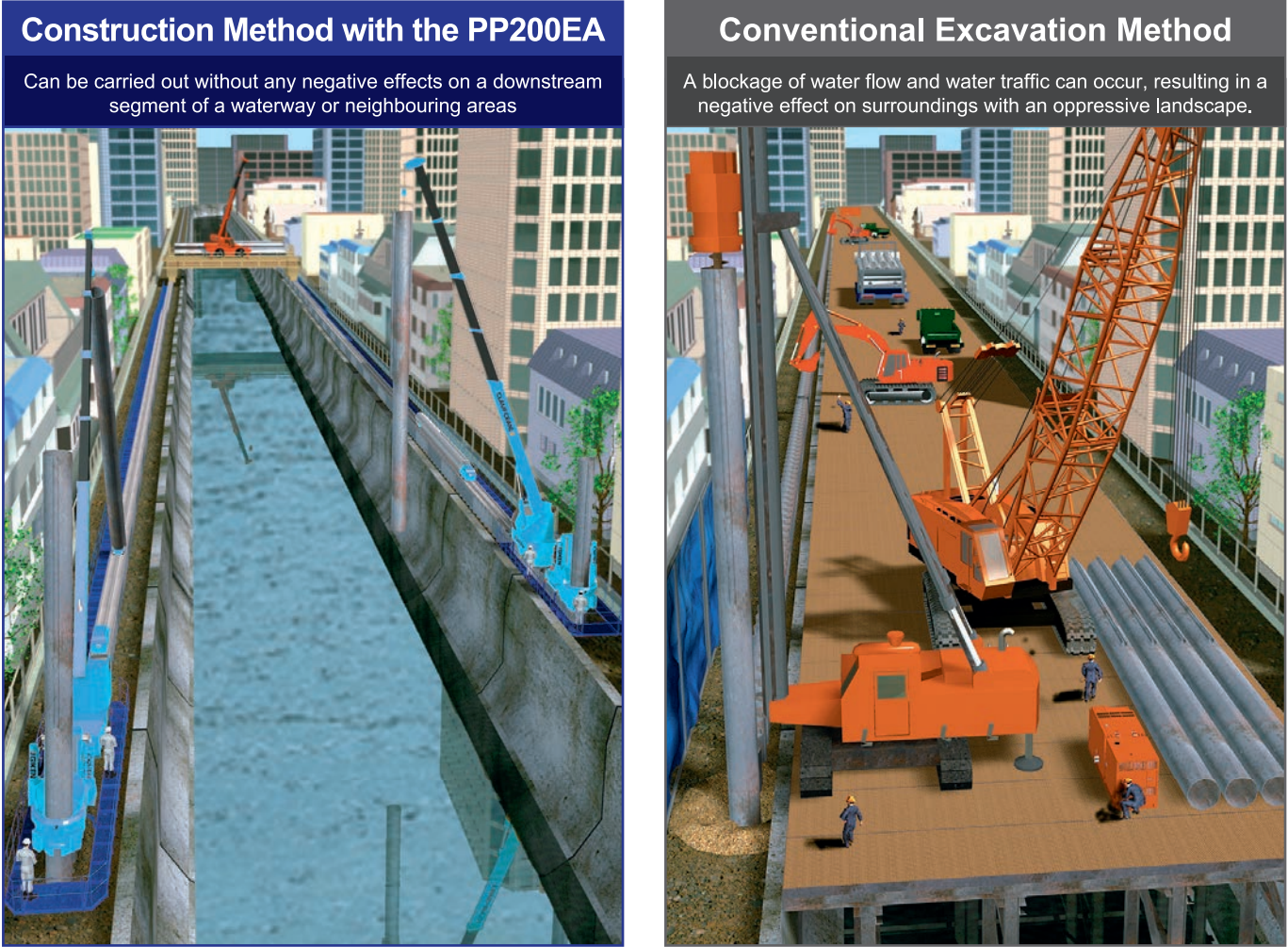
The table below shows typical models of the four main types of piles, sorted by section performance and pile weight. Pipe piles with interlocks clearly have a much higher cross-sectional performance than U and Z sheet piles. Additionally, pipe piles with interlocks have practically no increase in pile weight when it is compared with H piles, which give similar high cross-sectional performance and therefore, is preferable in economic terms.



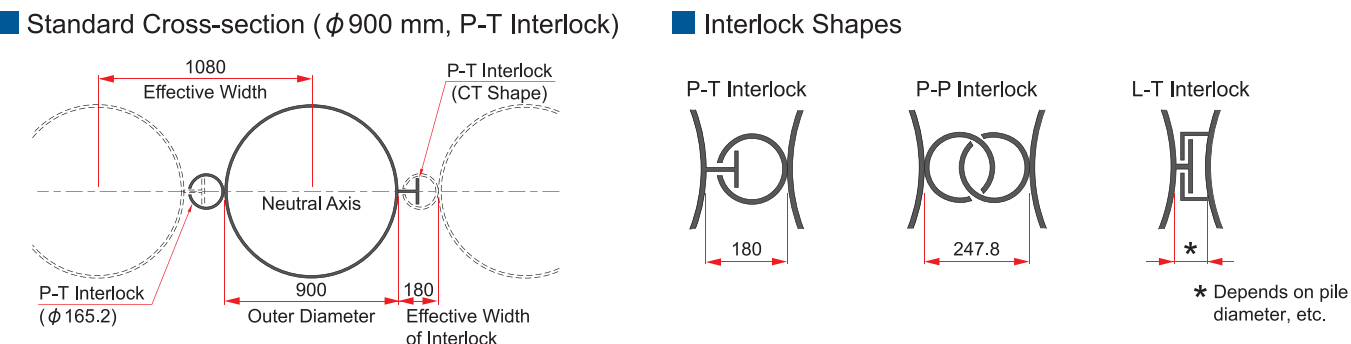
Features of Interlocked Pipe pile Installation with the Press-in Method

- Highly Rigid Wall Structure**
A secure and rigid wall structure can be built by pressing in a continuous sequence of high-quality factory-made pipe piles with interlocks, which have high rigidity.
- Environmentally Friendly Construction Method**
By using a static load, the press-in method allows for non-vibratory pile installation with minimal noise impacts. In addition, the impact on the surrounding environment can be minimized because press-in piling work only requires a small footprint for its construction system.
- Reduction in Construction Costs**
There is no need for provisional facilities, such as temporary roadways or platforms, which means a simplified process with minimal equipment, resulting in big cost savings.
- High Level of Safety with No Risk of Overturning**
There is no risk of overturning because the press-in piling machine grips firmly onto completed piles.

Comparison with Conventional Construction Methods

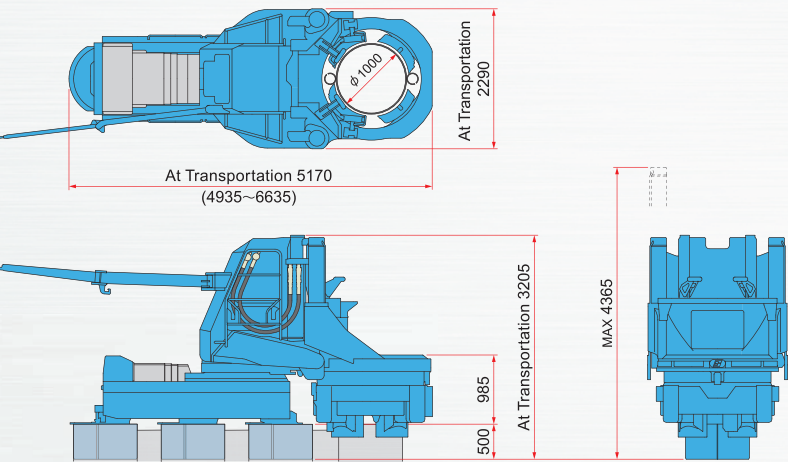


Standard Cross-Sections and Interlock Shapes of Pipe Piles with Interlocks

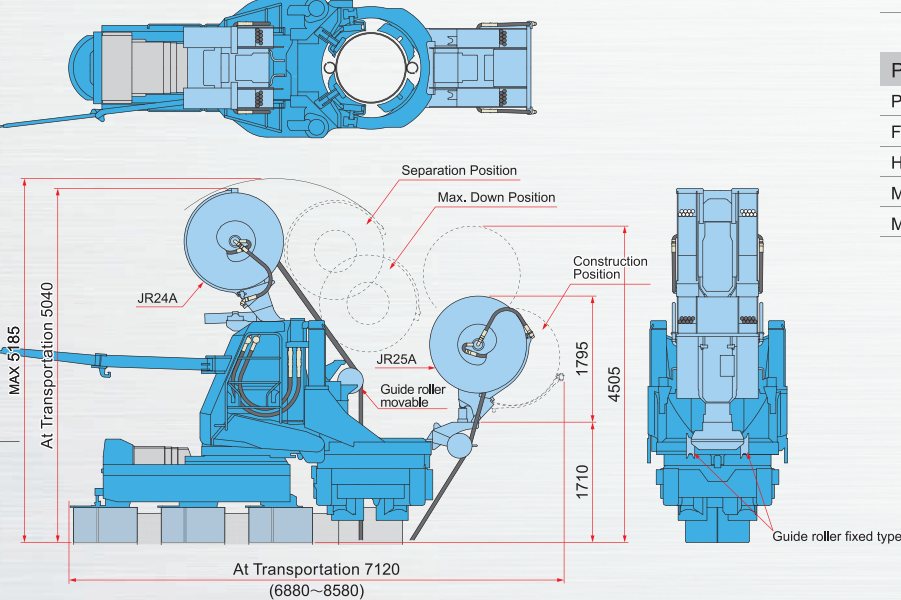


Dimensions & Specifications

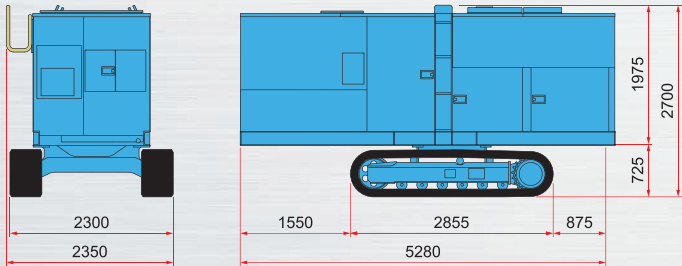
Standard Mode (with φ 1000)



Water Jetting Mode



Power Unit



SILENT PILER		PP200EA
Applicable Piles	Tubular Sheet Pile φ800 - 1000	
Interlock Shape	PP, PT, LT	
Max. Press-in Force	2000 kN	
Max. Extraction Force	2100 kN	
Stroke	1000 mm	
Press-in Speed	1.5 ~ 23.8 m/min	
Extraction Speed	1.1 ~ 17.1 m/min	
Control System	Radio Control	
Movement	Self-Moving	
Mass	φ 800	22800 kg
	φ 900	23350 kg
	φ 1000	23500 kg
PILER JET REEL™		JR24A, JR25A
Applicable pile length	Standard 22 m (Max. 52 m)	
Mass	JR24A	1830 kg
	JR25A	1820 kg
	Guide Roller	50 kg × 2

*PILER JET REEL is an option.

Power Unit		EU500D4
Power Source	Diesel Engine 350 kW	
Fuel Tank Capacity	800 L	
Hydraulic Reservoir	PILER ECO™ OIL 660 L	
Moving Speed	1.4 km/h	
Mass	10650 kg (with 30m Hose)	

The above specifications are subject to alteration without prior notice



Construction Solutions Company

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