

This system is designed to silently install the piles using a jacking process by continuously applying jack load with a load capacity up to 9000KN. Therefore, this piling system could meet all requirements for the most stringent environmental protection since it produces no noise, no pollution and vibration free. This is the only piling system which could directly measure the load also of the pile during installation process.



Why Choose The Silent Pile System?

- Free of noise, vibration and pollution; suitable for operation in urban area or country site.
- Directly monitor load capacity of pile during installation
- Can install a wide range of concrete pile with sizes from
- 250x250mm to 550mm square and spun piles from 250mm to 1000 mm diameter
- Easy movement : X-Y direction and rotation
- Wide base, low center of gravity and stable; suitable for various types of ground condition
- Easily dismantled for transportation. No crane needed for preparing the equipments on truck
- Pile jacking load is applied continuously and evenly, without hammering and vibration
- Length of pile exceed 16m could be applied to limit number of pile joints
- No heavy reinforcement needed for the pile as compared to hammer driven system
- Excellent pile positioning accuracy



Specification of Silent Pile system

Item		Unit	Series				
			ZYJ-320	ZYJ-420	ZYJ-600	JVY700A	JVY900A
Sleepers Movement & Speed	Side Piling Space	m	0.8	0.68	0.68	1.4	1.7
	Corner Piling Space	m	1.35	1.2	1.2	1.635	1.95
	Angle Range	degree	10	8	8	8	8
	Fast	m/min	5.5	4.5	4.5	6.65	9.98
	Low	m/min	0.9	1	0.7	0.84	0.74
Maximum Jacking Force		kN	3200	4200	6000	7000	9000
Hydraulic Oil Pressure		Mpa	24.7	23.6	23.9	24.2	23.9
Power (Piling)		kW	45	60	90	119	135
Dimension of Square Pile	Min	mm	250	300	300	300	400
	Max	mm	500	500	500	600	700
Dimension of Spun Pile	Min	mm	Ø 250	Ø 350	Ø 350	Ø 300	Ø 400
	Max	mm	Ø 500	Ø 600	Ø 800	Ø 800	Ø 1000
Bearing Pressure	Long Sleeper	ton/m ²	9.3	11.2	14.2	13.9	16
	Short Sleeper	ton/m ²	8.3	12	17.5	21	25
System	Dimension (LxWxH)	m	12x6.55x2.94	12.5x6.98x2.94	13.5x7.76x3.02	14x8.29x3.36	14.5x8.91x3.39
	Self Weight (Basic Machine)	ton	112	156	195	177	212
	Counter Weight	ton	213	269	407	525	690
	Gross Weight	ton	325	425	602	702	902