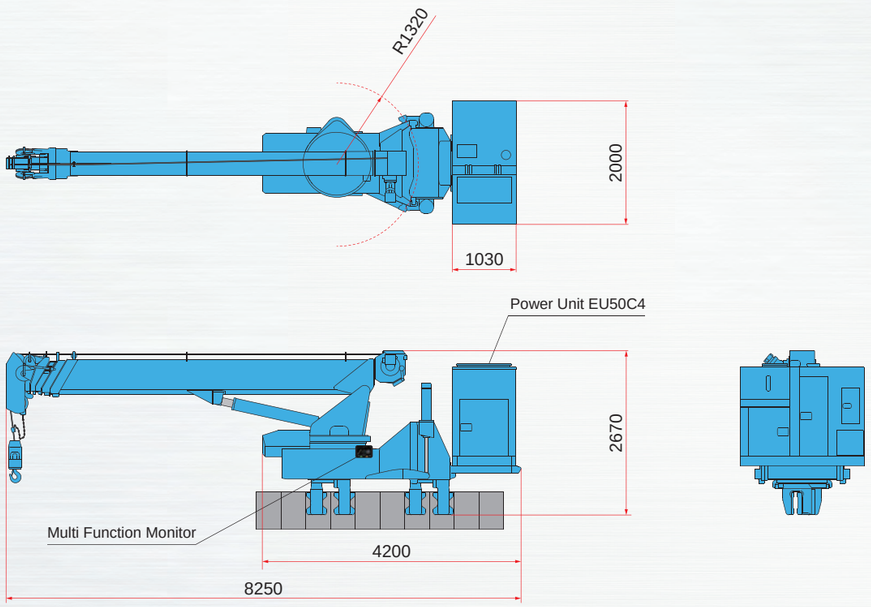
Specifications



*with 400mm width sheet piles

CLAMP CRANE™		CB2-10
Specifications	Lifting Capacity	2.95 ton × 8.0 m (Single line)
	Max. Working Radius	24.0 m
	Max. Lifting Height	Approx. 26.0 m
	Slewing System	Auto-slew Lock System
Safety Devices	Auto Over-winding Prevention Device (with Warning Alarm system) Overload Alarm Device Lifting Height Limit System Slewing Limit System	
Control System	Radio Control	
Mass	11,700 kg *Include the Power Unit weight (2,500 kg)	
Applicable Sheet Piles	U Sheet Pile 400 mm (Type : III, IV) 500 mm (Type : VL,VIL) 600 mm (Type : IIw,IIIw,IVw) ※ Hat Sheet Pile 900 mm (10H,25H,45H,50H)	
Power Unit	EU50C4	

※Option…Additional clamp teeth are required.

Multi Function Monitor

Highly visible liquid crystal monitors provide an easy-to-recognize view of crane conditions during installation. Also, when performing parameter setting, you can check the present setting at a glance in an enlarged display.

Parameter setting

The above specifications are subject to alternation without prior notice

GIKEN

Construction Solutions Company

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Ver 1.0EN02 / 16 Jun 2023

GIKEN

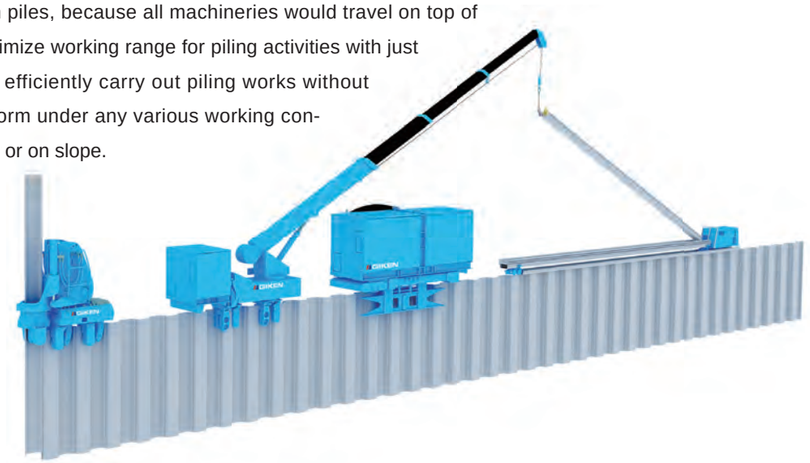
CLAMP CRANE™

CB2-10

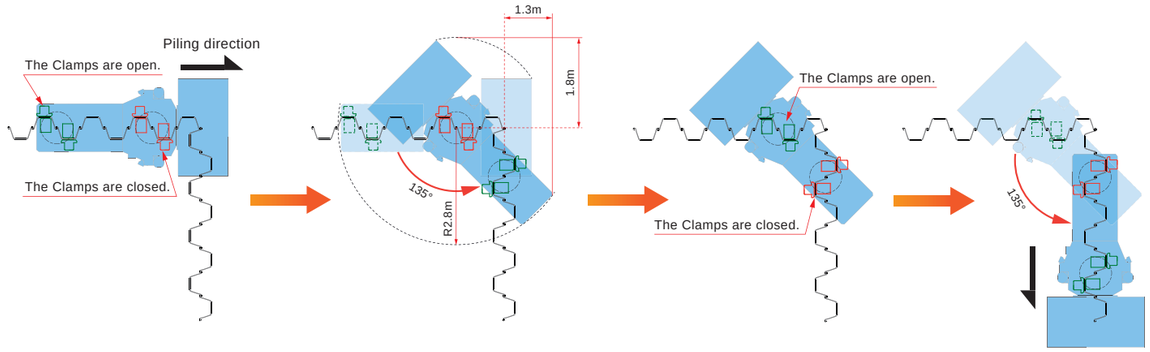
CLAMP CRANE™ CB2-10

Implementation of "Minimum Temporary-Work Method" by Non-Staging Method

Non-staging Method is a Giken's unique piling system which enables all piling activities to be done on top of driven piles, because all machineries would travel on top of those piles. You can minimize working range for piling activities with just the machine width, and efficiently carry out piling works without temporary working platform under any various working constraints such as on water or on slope.



High applicability enabling corner self-walking

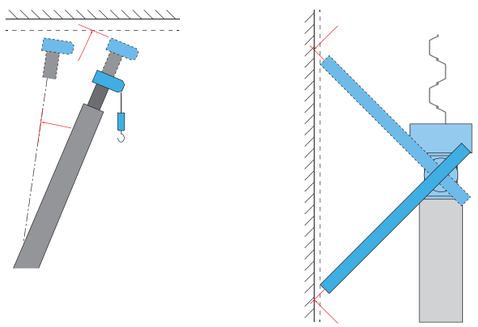


*with 500mm width sheet piles

Construction works can be carried out under various sites which have adjacent structures or limited headroom.

It is equipped with safety devices such as Lifting Height Limit System and Slewing Limit System, which automatically stop the crane operations, when the crane boom actions reach to the priorly registered limits.

■ Lifting Height Limit System ■ Slewing Limit System



Transportation with one whole unit

CLAMP CRANE does not need disassembling when transporting, and is transported as a single unit on a 1 5-ton low loader truck. (machine mass; 11,700kg) This allows quick start of work without need for on-site assembly

● Lifting Capacities [U Sheet Pile 600mm(Ⅲw)]

Unit: tons

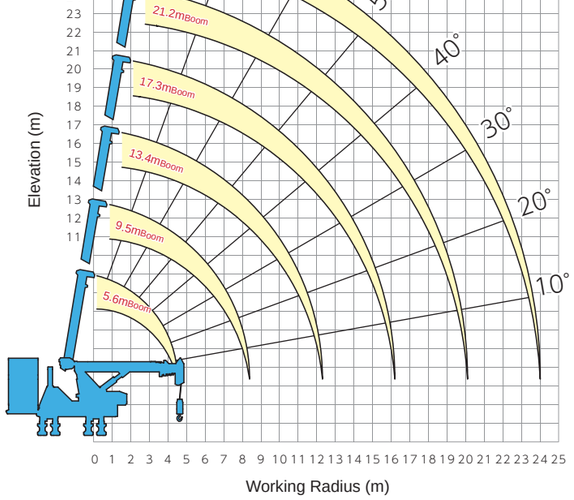
Radius (m) \ Boom (m)	5.6	9.5	13.4	17.3	21.2	25.1
1.5	2.95					
2.5	2.95	2.95				
3.0	2.95	2.95	2.95			
3.5	2.95	2.95	2.95			
4.0	2.95	2.95	2.95	2.95		
5.0	2.95	2.95	2.95	2.95	2.95	
6.0		2.95	2.95	2.95	2.95	1.80
8.0		2.95	2.95	2.90	2.60	1.80
10.0			2.40	2.20	2.10	1.80
12.0			1.70	1.70	1.70	1.50
14.0				1.40	1.40	1.20
16.0				1.00	1.00	1.00
18.0					0.80	0.80
20.0					0.65	0.65
22.0						0.50
24.0						0.35

※Lifting Capacities in lateral area depend on the type of sheet pile.

● Maximum Lifting Pile Length

Applicable Piles				Pile Length (m)	
Sheet Pile	Width(mm)	Type	Unit mass(kg/m)	CB2-10	CB1B
U Sheet Pile	400	Ⅲ	60.0	22.0	13.5
		Ⅳ	76.1		
	500	$Ⅴ_L$	105	18.0	12.3
		$Ⅵ_L$	120		10.8
	600	$Ⅱ_W$	61.8	22.0	12.3
		$Ⅲ_W$	81.6		
		$Ⅳ_W$	106	18.0	11.4
Hat Sheet Pile	900	10H	86.4	20.5	10.4
		25H	113	17.5	7.9
		45H	147		
		50H	167	15.5	

● Lifting Heights & Working Radius



● GRB™ System

The machine layout with which CB2-10 can lift the longest sheet pile