

BROCHURE

THW 6025 PILING RIG

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FOUNDATION RIGS AND CRAWLER CRANES

THW 6025

GENERAL INFORMATION

The THW 6025 is a hydraulic piling rig with a total weight of 60 tonnes excluding a hydraulic hammer. The machine has a self erecting leader, which reduces the set up time of the rig considerably. The standard configuration of the THW 6025 is made for executing piling jobs with prefab piles and/or pre-drilling jobs. The pre-drilling jobs can be performed in combination with piling jobs because the rotary head is fitted on the righthand side of the leader. A complete pre-drilling system is available as an option.

The THW 6025 can also be used for driving and extracting cast-in-situ piles and CFA piles. In order to execute these jobs the machine has to be adjusted with a bigger engine, a stronger hammer winch and a manifold which can supply oil to both hydraulic hammers and a rotary head. When these changes have been made to the rig its name changes into the THW 6025-S. All specifications below are of the standard THW 6025.

UNDERCARRIAGE

The THW 6025 is equipped with a D6C undercarriage (H-shaped construction) with BERCO trackparts. The standard 3-rib trackplates are 900 mm wide and optional the trackplates can be covered with a smooth plate. Smooth plates however increase the total weight of the rig. The undercarriage can be hydraulically extended from 3.50 metres to 4.80 metres and the hydraulic trackdrives are O & K planetary gears.

LEADER

The leader of the THW 6025 has a standard length of 27,15 metres and the main dimensions are 750 x 750 mm. In order to reach the maximum leader length of 30,15 metres a 3 metre extension piece can be delivered as an option with the machine. The 6-sheave leader head of the THW 6025 is V-shaped and the leader foot can be dismounted. In order to reduce the transport length of the machine the leader is fitted with a hydraulic folding system. For positioning the piles the machine will be equipped with a hydraulic pile clamp. Optionally the leader can be fitted with a slideway for a pre-drilling rotary head (righthand side).

DIESELENGINE AND HYDRAULIC SYSTEM

The standard dieselengine in the THW 6025 is a Caterpillar 3126B ATAAC of 300 Hp at 2100 Rpm. This engine is fitted with an original Caterpillar radiator with a cooling capacity up to 50° Celsius meets and also meets the latest environmental regulations (Stage 2/TIER 2). The hydraulic system is powered by Rexroth pumps and Rexroth valve blocks. When required the hydraulic system can be filled with biodegradable oil (optional).

WINCHES

The THW 6025 is equipped with the following hydraulic winches :

WINCH TYPE	LINE-PULL	SPEED	PARTS	DRUM	ROPE DIA.
Hammer winch	10,0 tonnes	0-40 mtr/min.	2	Woltman	22 mm
Pile winch	10,0 tonnes	0-40 mtr/min.	2	Woltman	22 mm
Service winch	6,0 tonnes	0-40 mtr/min.	1	Woltman	19 mm



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CABINS AND OTHER SPECIFICATIONS

The operator's cabin of the THW 6025 has enough room and will be arranged ergonomically. The operator's seat is of a good quality and has built-in joysticks for controlling the rig. Standard control of the rig is by means of hydraulic joysticks (electric control is optional). All instruments in the operator's cabin are easy to oversee and the standard equipment consists of :

- An Inclinator
- A MFA-system for monitoring temperatures, pressures and tank contents
- A Blaupunkt Radio/CD player
- An adjustable heating system (Airconditioning is optional)

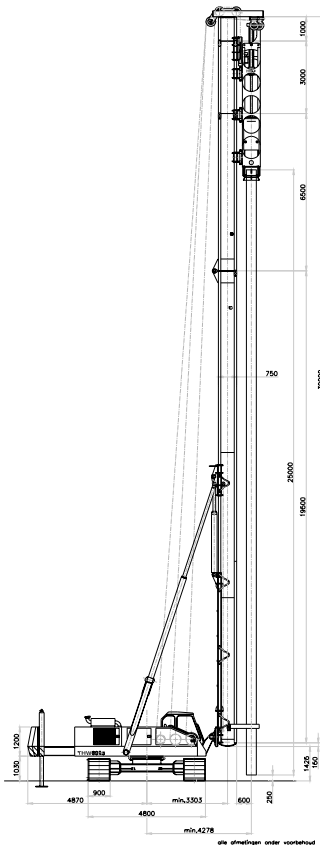
The engine compartments are easily accessible and als easy to dismount. In order to reduce the engine noise, all cabin parts will be fitted with sound isolating foam. All cabins will also be fitted with inner illumination and on the outside of the rig several working lights will be mounted. The complete rig will be painted in your company colours.

The THW 6025 has a sliding brace with a stroke of 1500 mm for spotting on the pile position. The counterweight can be hydraulically extended 1.000 mm and in the counterweight two outriggers have been mounted. With the help of these outrigger and the leader the machine can be lifted off the ground and the undercarriage can be freely rotated. This makes the loading of the THW 6025 on a low loader a lot easier.



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TECHNICAL SPECIFICATIONS THW 6025 PILING RIG



Maximum capacity (pile + hammer)	: 20,1 tonnes
Standard leader length	: 27,15 metres
Maximum leader length	: 30,15 metres
Main dimensions of leader	: 750 x 750 mm
Stroke of leader	: 4.500 mm
Stroke of spotting device	: 1.500 mm
Capacity of hammer winch	: 10,0 tonnes
Speed of hammer winch	: 0-60 mtr/min.
Capacity of pile winch	: 10,0 tonnes
Speed of pile winch	: 0-60 mtr/min.
Capacity of service winch	: 6,0 tonnes
Speed of service winch	: 0-40 mtr/min.
Diesengine	: CATERPILLAR
Engine power	: 300 Hp at 2100 rpm
Hydraulic pumps	: Rexroth plunger
Valve blocks	: Rexroth
Elektric system	: 24 Vdc
Trackparts	: BERCO
Type of undercarriage	: D6C
Transport length (standard length)	: 19.500 mm
Transport height (without hammer)	: 3.500 mm
Transport width	: 3.500 mm
Operating width	: 4.800 mm
Length of undercarriage	: 5.432 mm
Standard trackplate width	: 900 mm
Stroke of counterweight	: 1.000 mm
Counterweight	: 10,0 tonnes
Machineweight without hammer	: 60 tonnes



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