

GENERAL SPECIFICATIONS OF HITACHI KH 230-3 GLS

Our reference	2025011500
Attachments	0
Subject	General specifications Hitachi KH 230-3 GLS pile driving rig

The Hitachi KH 230-3 GLS pile driving rig that we currently have available from our stock has the following specifications. This first owner Hitachi has been customized by Hitachi Construction Machinery Europe in the Netherlands to become a dedicated pile driving machine. This Hitachi has a special designed lattice type leader (mast) which allows impressive pile weights and lengths combined with a range of different pile driving hammers. This Hitachi machine is suitable to drive concrete piles, steel tubes or H-beams in the precast piling configuration but is also suitable for driven cast in situ piles and for the driving of steel tubes in different lengths and diameters. This Hitachi comes with special accessories which make the machine suitable to drive piles under a 45 degree backward angle. This is an interesting feature for installing long anchor piles (H-beams with grout injection) for quay wall anchoring.

1 pc. Hitachi KH 230-3 GLS foundation machine

Engine:	Hino EM100, turbo charged diesel
Engine specifications	6 cylinder, 110 kW / 150 HP
Precast piling configuration	6m extension head and
Max. pile length average	32m concrete piles
Max. pile weight	18.000 kg (vertical pile driving)
Max. hammer weight	14.000 kg (vertical pile driving)
Max hammer + pile weight	32.000 kg (vertical pile driving)
Operational weight	125.000 kg excl. hammer and pile
Cast in Situ configuration	36,9 m leader length
Max. pile length cast in situ	29 m
Max. pull up	60-80 ton on 8 line pull
Man lift	Installed along full leader length
Hydraulic system	2x variable pumps (main functions) 1x gear pump for swing 1x gear pump for cylinder & bracket 1x gear pump for pilot control
Leader type	Lattice type construction
Min. leader length	26 m
Standard leader length	35m
Max. leader length	40,2m in cast in situ configuration
Leader length pile driving	34.3 m with 6m pile driving head 38.2 m with 6m pile driving head
Centre distance rotary	from front side of leader is 600mm
Max. forward inclination	3:1 – 18.5 degrees, subject capacity
Max. backward inclination	3:1 – 18.5 degrees, subject capacity

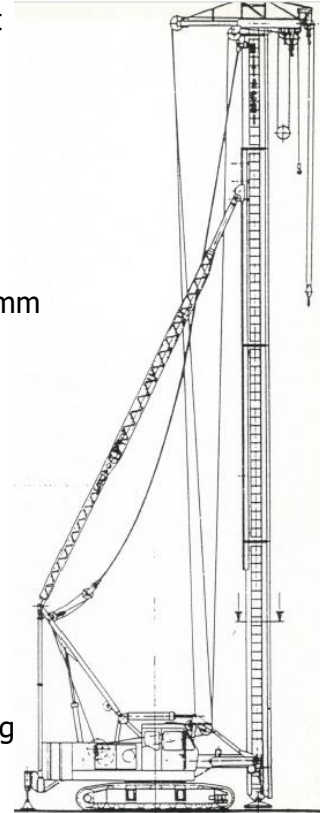


1 pc. Hitachi KH 230-3 GLS foundation machine

Special 1:1 (45 degree kit) 1:1 leader length Available for max. pile+hammer 16.8t
36,9 meter with cast in situ head

Main winch for hammer 6.5t on single line, wire diam. 22mm
Pile handling winch 6.5t on single line, wire diam. 22mm
3rd and auxiliary winch 5.0t on single line, wire diam. 20mm
Boom up/down winch 3.5t on single line, wire diam. 16mm

Undercarriage extendable yes, hydraulically. Width 3.500-4.500mm
Track shoe width 760 mm
Crawler length 5.720 mm
Rear outriggers yes, 2 pieces, hydraulically operated
Total max. machine weight 92.700 kg excl. pile + hammer
Max. operational weight 124.700 kg incl. pile + hammer
Dismountable count. weight 1x 5500kg, 1x 5000 kg = 10.500 kg
Weight of base machine 48.890 kg
Total counterweights 23.170 kg
A-frame with cylinders 10.000 kg
Fixed mast section 2.500 kg
Backstay cylinders & guide 2.500 kg
Transport weight excl. 2x 5.000kg counterweight is 72.500 kg
Transport dimensions 18.900x3.500x3.500mm (LxWxH)
Year of manufacture 1996



Optional equipment suitable for this Hitachi KH 230-GLS

1x Delmag D46-32 diesel impact hammer with tripping device and leader guides
1x Delmag D62-22 diesel impact hammer with tripping device and leader guides
1x IHC S70 Hydrohammer in cast in situ configuration with IHC P250 power pack
1x BSP 9t hydraulic hammer complete with hose bundle, lifting device and leader guides
1x BSP HH6, 6t hydraulic hammer with hose bundle and lifting device and leader guides
1x PVE 7/9NL hydraulic impact hammer with hose bundle, lifting device and power pack