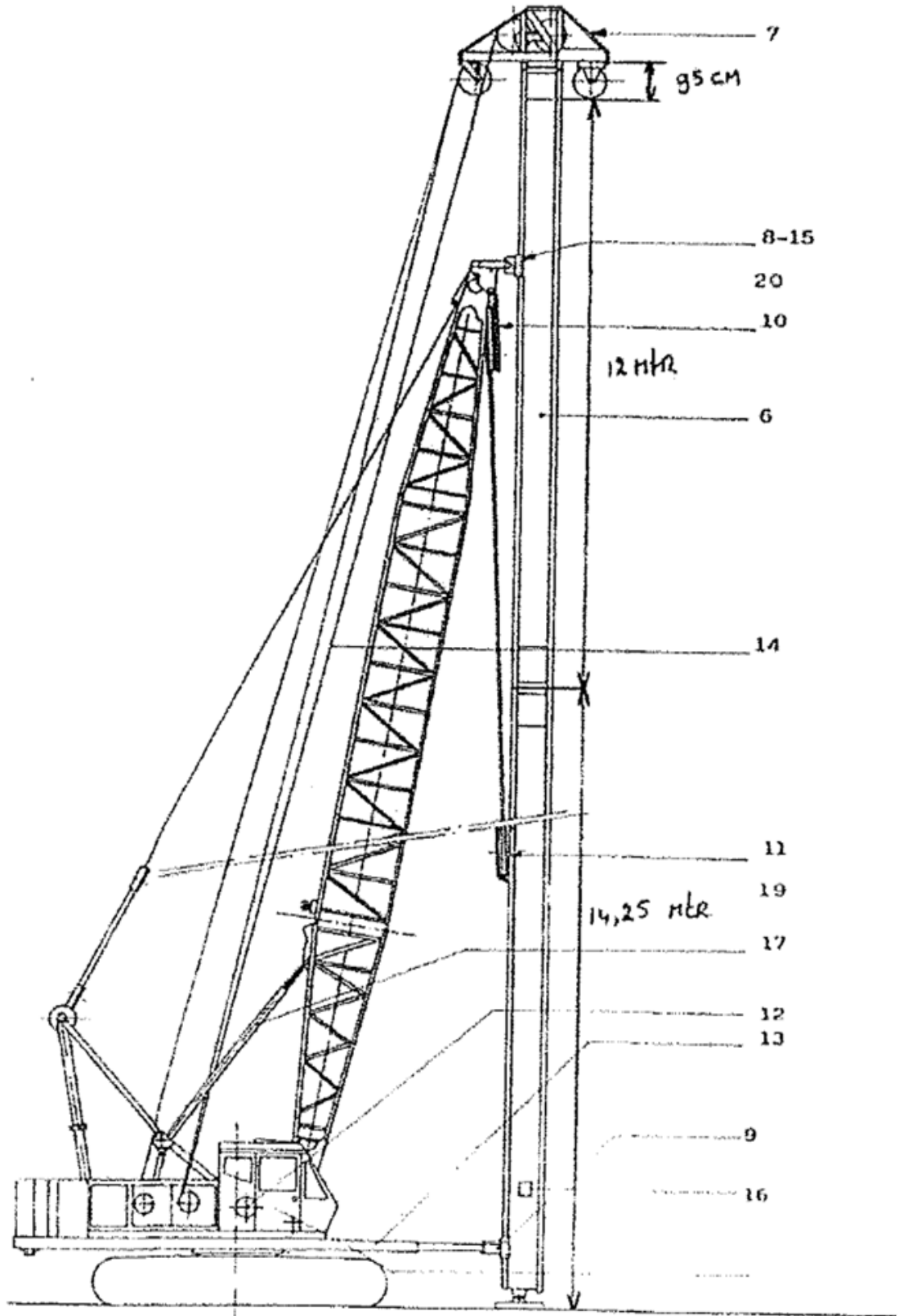


## Hitachi KH 150-3 PD



Hoist crane Hitachi KH 150-3 PD		
Max. hoist capacity	40	tons
Max. boomlength	44	meters
Max. boomlength ground technic	42.0	meters
Transport width	3900	mm
Transport height	3450	mm
Extended width track shoes	4060	mm
<b>Shove-in width track shoes</b>	3300	mm
undercarriage length total	5210	mm
Total transportweight	42	ton
Motor	Hino H06C-T	
<b>Power</b>	114 kW/2100 rpm	
Electrical system	24 V DC	

## Capacity tabel

Workrange (m)	Boom-length (m)								
		10	13	16	19	22	25	28	31
3.0	40,0								
3.5	40,0	38,70							
4.0	33,65	32,70	30,35						
4.5	27,80	27,75	26,70	25,10					
5.0	23,65	23,60	23,50	22,50	21,25				
6.0	18,15	18,10	18,00	17,95	17,65	16,85	16,10		
7.0	14,65	14,60	14,50	14,45	14,40	14,30	13,85	13,25	
8.0	12,20	12,15	12,05	12,00	11,95	11,90	11,80	11,65	
9.0	10,45	10,40	10,30	10,25	10,20	10,10	10,00	9,95	
10.0		9,05	8,95	8,90	8,85	8,75	8,65	8,60	
12.0		7,15	7,05	6,95	6,90	6,80	6,70	6,70	
14.0			5,75	5,65	5,60	5,50	5,40	5,35	
16.0				4,75	4,65	4,55	4,45	4,40	
18.0					3,95	3,85	3,75	3,70	
20.0					3,40	3,30	3,20	3,15	
22.0						2,85	2,75	2,70	
24.0							2,40	2,30	
26.0								2,00	
28.0									
30									

Hook		Nr. hoistparts, max hoistload in tons						
wr	weight	7	6	5	4	3	2	1
40t	380 kg	40	34,2	28,5	22,8	17,1	11,4	5,7
15t	300 kg					15	11,4	5,7

Capacity table for Hitachi KH150-3 PD									
For Piling with suspended leader and bracket									
Type	:	Piling rig with suspended leader and bracket							
Cranetype	:	Hitachi KH 150-3 PD							
Serialnumber	:	232-0984							
Leader	:	Free hanging leader length =27m, mass = 5500 kg							
Blocktype	:	Dieselblock A, B, en C							
Ballast	:	Standard (13200 kg.)							
Worksituation	:	Leader vertical							
	:	Leader free from the ground							
		Acceptable pile-mass in tons							
Swing frontside leader (m)	Boom-angle (Degrees)	Boomlength:			22 m	Boomlength:			25 m
		Leaderlength:			28 m	Leaderlength:			34 m
		Pilelength:			21 m	Pilelength:			27 m
		Blocktype				Blocktype:			
		A	B	C					
4,40	84,70	11,60	10,60	8,80					
4,50	84,30	11,40	10,20	8,60					
5,00	83,00	9,20	8,20	6,50					
5,50	81,70	7,20	6,20	4,20					
6,00	80,40	5,20	4,00	2,00					
6,50	79,10	3,10	2,00						
7,00	77,80								
7,50	79,50								

Mass dieselblocks		in Tons						
Type	Max. Block weight incl. cap	Max piston weight	Hoist	max. force (tons)	Number of parts	Max pulling force (kN)	Cable diameter (mm)	Winches
A	6,9	2,2	Pile	13	2	5,8	22	Main winch
B	7,9	3	Block	15	2	5,8	22	service winch
C	9,7	3,6	Points	7,5	1 of 2	5	20	3rd winch
			Leader	46,6	7	5	20	Extra winch

<b>Pilingtable backwards</b>						
For pilingrigs with hanging leader and bracket						
Type:	pilingrig with hanging leader and bracket					
Cranetype:	Hitachi KH 150-3 PD					
Serialnumber:	232-0984					
Leader:	Hanging leader, length=27 m, massa = 5500 kg					
Blocktype:	Dieselblock A, B, en C					
Ballast:	Standard (13200 kg.)					
Worksituation:	Inclination forwards					
	Bracket shoven in till max 1 meter shoven out. leaderfoot leaning on solid underground Pile and Block leaning on solid underground					
	Acceptable pilemass in tons					
Worksituation	Boomlength: 19 m		Boomlength: 19 m			
	Leaderlength: 27 m		Leaderlength: 27 m			
	Pilelength: 21 m		Pilelength: 18 m			
	Blocktype:			Blocktype:		
	A	B	C	A	B	C
Forwards 8:1(7,0)	11,60	10,60	8,80	11,60	10,60	8,80
Forwards 6:1(9,5)	9,60	7,60	4,0	11,60	10,60	8,80
Forwards 5:1(11,5)	5,60	3,60	-	9,1	7,10	3,50
Forwards 4:1(14,0)	-	-	-	5,20	3,20	-

Worksituation	Inclination backwards					
	Boom maximum peaked up Leaderfoot lose from underground					
	Acceptable pilemass in tons					
Worksituation	Boomlength: 16 m		Boomlength: 19 m			
	Leaderlength: 24 m		Leaderlength: 27 m			
	Pilelength: 18 m		Pilelength: 21 m			
	Blocktype:			Blocktype:		
	A	B	C	A	B	C
Backwards 10:1 (5,7)	11,60	11,60	10,00	9,00	8,00	6,50
Backwards 6:1 (7)	11,60	11,00	9,50	8,50	7,50	6,00
Backwards 5:1 (6,5)	11,00	10,00	8,50	7,50	7,00	5,50
Backwards 4:1 (11,5)	10,00	9,00	8,00	7,00	6,50	5,00
Backwards 3:1 (14)	9,00	8,00	7,00	-	-	