

FD 120

ROTARY IDRAULICA
HYDRAULIC ROTARY
ROTARY HYDRAULICA

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C
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FD 120

Hydraulic rotary

The hydraulic rotary FD 120 mounted on NEW HOLLAND MH 6.6 base carrier has been projected to perform the following jobs:

- bored pile, with dry or bentonite system,
- C.F.A. (Continuous Flight Auger) piles.

PILE DIAMETER

Max pile diameter	mm	1500
Max pile depth	mm	48

C.F.A. (Continuous Flight Auger)

Max pile depth	m	16
Max pile depth (with auger cleaner without ext.)	m	14,20
Max pile diameter	mm	600
Extraction force	kN	480

UNDERCARRIAGE

Overall length	mm	5190
Track shoe width	mm	700
Overall width (extended side frames)	mm	3900
Overall width (retracted side frames)	mm	2500
Ground pressure	MPa	0.074

DIESEL ENGINE

Diesel engine	type	CUMMINS/IVECO6BTA 5.9 C
Installed power rating	Kw (Hp)	129-2000 rpm

HYDRAULIC PUMPS

Main pumps	lt/min	2x195
Auxiliary pumps	lt/min	140
Max working pressure	MPa	30

MAIN WINCH

Main winch	1 layer nominal line pull	kN	120
	1 layer nominal rope speed	m/min	60
	rope diameter	mm	22

AUXILIARY WINCH

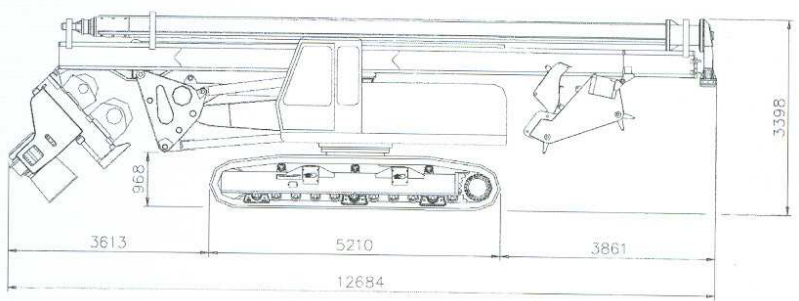
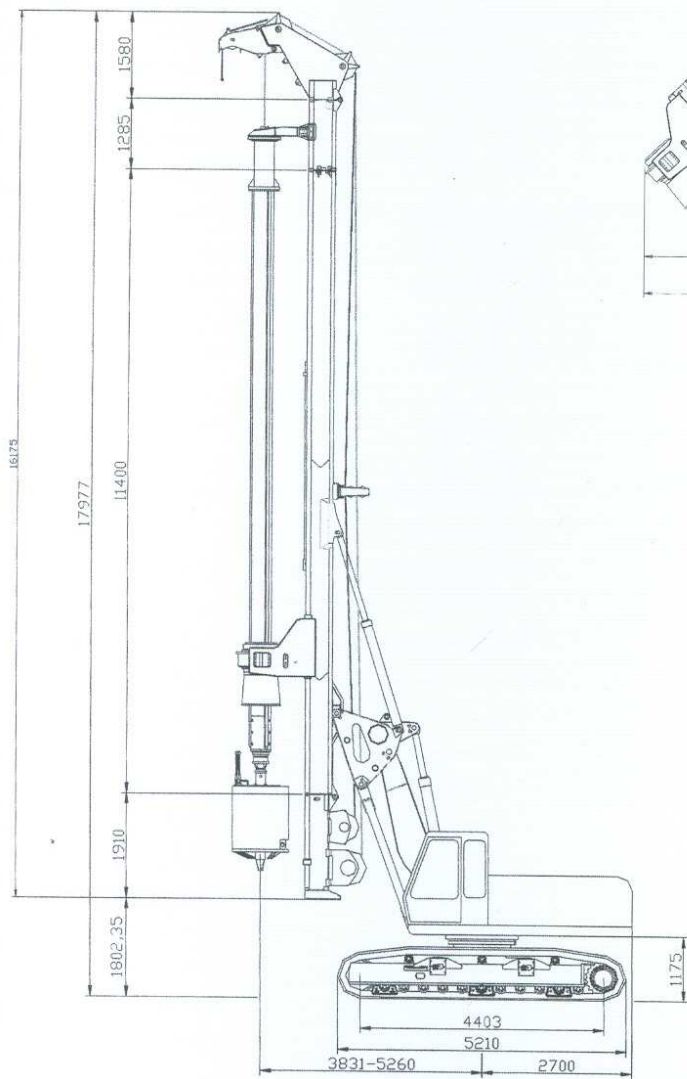
Auxiliary winch	1 layer nominal line pull	kN	60
	1 layer nominal rope speed	m/min	40
	rope diameter	mm	17

ROTARY TABLE

Max nominal torque	kNm	120
Max spin off speed	rpm	140
Max drilling speed	rpm	7-28
pull/push cylinder	kN	200/160
Pull down stroke	mm	3500

WEIGHTS & DIMENSIONS

Transport width	mm	2500
Transport height	mm	3400
Transport length	mm	12410
Operating weight	ton	42



KELLY BAR

FD 120 friction kelly Ø355

<i>Elements no.</i>	<i>Length m</i>	<i>Depth m</i>	<i>Weight kg</i>
4	8	28	3000
4	9	32	3500
4	10	36	3800
4	11	40	4100
4	12	44	4500
4	13	48	4900

FD 120 kelly interlocking Ø355

<i>Elements no.</i>	<i>Length m</i>	<i>Depth m</i>	<i>Weight kg</i>
4	7,5	25	2700
4	9	32	3500
4	11	39	3800
4	6	19	2400
4	8	29	3000
4	9	32	3300
4	10,5	38	3800
4	12	45	4300



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