

FD 100

HYDRAULIC ROTARY RIG



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BASE MACHINE

Type Engine	Type	NEW HOLLAND E215 EVO CNH F4BE8064B	
	Power	118 kW @ 2150 r.p.m.	
Undercarriage	Total Length	4510	mm
	Width (Closed - Open)	2500 - 3700	mm
	Shoes Width	600	mm

HYDRAULIC CIRCUIT

Main Pumps	2 X 220	l/min
Auxiliary Pump	1 X 20	l/min
Working Pressure	320	bar

DRILLING SYSTEM

Mast Dimensions	Section	600 X 400	mm
	Length	15179	mm
Mast Movement	Lateral	5	°
	Backwards	15	°
	Onwards	5	°
Pull - Down (Cylinder)	Pull	160	kN
	Push	100	kN
Rotary Head Stroke		3500	mm

ROTARY HEAD

Max. Torque	100	kNm
Speed Rotation	8 - 28	r.p.m.
Spin-Off Speed Rotation	112	r.p.m.

WINCHES

Main	Max. Pulling Force	100	kN
	Rope Diameter	22	mm
Auxiliary	Max. Rope Speed	59	m/min
	Max Pulling Force	60	kN
	Rope Diameter	16	mm
	Max. Rope Speed	55	m/min

DRILLING PERFORMANCE PILES VERSION

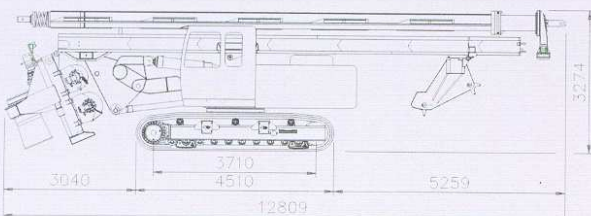
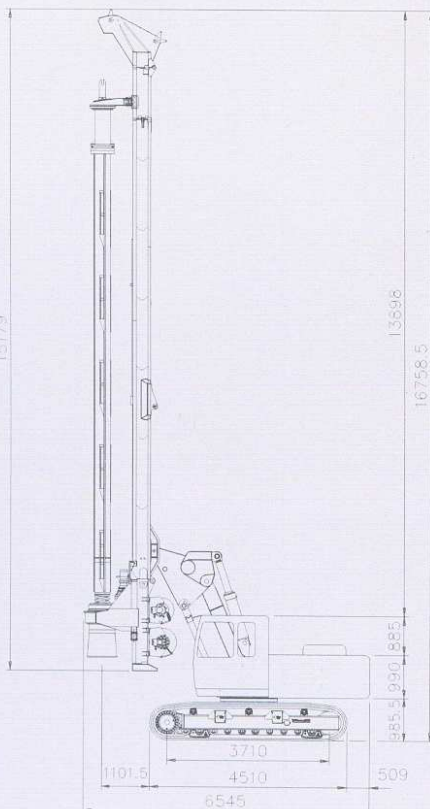
Max. Drilling Depth	40	m
Max. Pile Diameter (Uncased)	1200	mm
Max. Pile Diameter (Cased)	1000	mm
Max. Casing Height	5000	mm

DRILLING PERFORMANCE CFA VERSION

Kelly Extension	0	6	m
Maximum Depth with Auger Cleaner	12.30	18.30	m
Maximum Depth without Auger Cleaner	13.50	19.50	m
Maximum Feasible Diameter	800	800	mm
Maximum Pull (sheaved)	320	320	kN

DIMENSIONS AND WEIGHT

Working (W - H - L)	3700 - 16758.5 - 6545	mm
Transport (W- H - L)	2500 - 3274 - 12809	mm
Weight	39	t







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