

FD 220

HYDRAULIC ROTARY RIG



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BASE MACHINE

Type Engine	Type	CATERPILLAR CAT 330 C9
Undercarriage	Power	250 kW @ 1800 r.p.m.
	Total Length	5117 mm
	Width (Closed - Open)	3000 - 4500 mm
	Shoes Width	700

HYDRAULIC CIRCUIT

Main Pumps	2 X 280	l/min
Auxiliary Pump	1 X 40	l/min
Working Pressure	320	bar

DRILLING SYSTEM

Mast Dimensions	Section Length	600 X 700	mm
		20320	mm
Mast Movement	Lateral	5	°
	Backwards	15	°
	Onwards	5	°
Pull - Down (Cylinder)	Pull	210	kN
	Push	150	kN
Rotary Head Stroke		6100	mm

ROTARY HEAD

Max. Torque	220	kNm
Speed Rotation	0 - 28	r.p.m.
Spin-Off Speed Rotation	144	r.p.m.

WINCHES

Main	Max. Pulling Force	220	kN
	Rope Diameter	28	mm
	Max. Rope Speed	55	m/min
Auxiliary	Max Pulling Force	120	kN
	Rope Diameter	20	mm
	Max. Rope Speed	55	m/min

DRILLING PERFORMANCE PILES VERSION

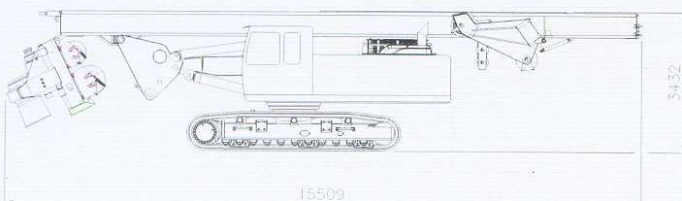
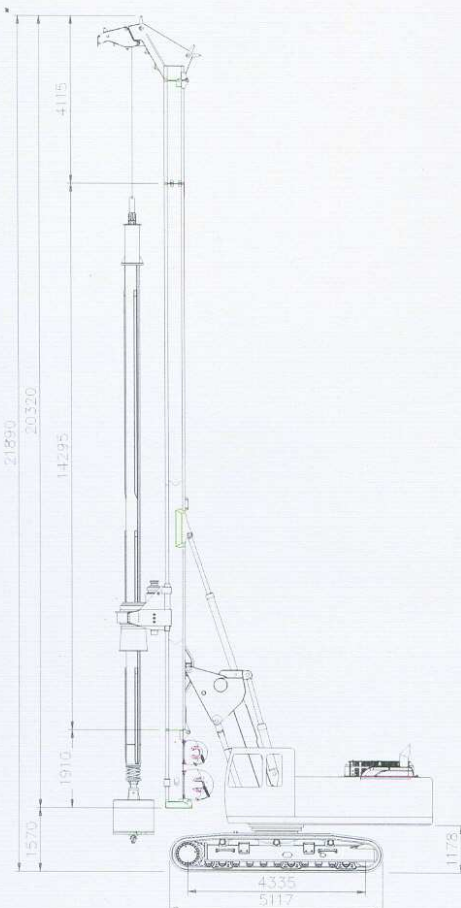
Max. Drilling Depth	48	m
Max. Pile Diameter (Uncased)	1800	mm
Max. Pile Diameter (Cased)	1600	mm
Max. Casing Height	6000	mm

DRILLING PERFORMANCE CFA VERSION

Kelly Extension	0	6	m
Maximum Depth with Auger Cleaner	13.50	19.50	m
Maximum Depth without Auger Cleaner	15	21	m
Maximum Auger Length	15.9	15.9	m
Maximum Feasible Diameter	1000	1000	mm
Maximum Pull (sheaved)	880	880	kN

DIMENSIONS AND WEIGHT

Working (W - H - L)	4500 - 21890 - 8142	mm
Transport (W- H - L)	3000 - 3470 - 15940	mm
Weight	66	t







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