

TECHNICAL SPECIFICATIONS R-10

UNDERCARRIAGE		
Shoe width	mm	700
Closed carriage width	mm	2800
Open carriage width	mm	3900
Ground pressure	MPa	0.077
Maximum length	mm	4830
Wheelbase	mm	3950
Traction force	kN	350
Traveling speed	km/hr	2.25
POWER MODUL		
Make and Model		CATERPILLAR 3.25
Counter weight	kg	5200
Fuel tank capacity	l	400
ENGINE		
Make and model		CATERPILLAR 3116 TA
Installed power	BPH (kW)	210 (155) @ 2400 rpm
Rated power (ISO IFN)	HP (kW)	170 (155) @ 2000 rpm
Cylinders		4
Noise level	dB(A)	75 on the CAB
HYDRAULIC SYSTEM		
Main pumps	l/min	2 x 208
Set pressure	MPa	31.5
Auxiliary pumps	l/min	20
Hydraulic oil tank capacity	l	175
Controls		proportional
ROTARY TABLE		
Maximum nominal torque (35 MPa)	kNm	109
Speed at maximum torque	rpm	10.5
Maximum speed	rpm	33.4 @ 34 kNm
Drilling speed ranges	rpm	0:33.4 0:16.7
Maximum spin - off speed	rpm	190
Pull - down cylinder stroke	mm	5100
Crowd force (at the cylinder)*		on kelly on casing
	kN	60 120
Extracting force (at the cylinder)*	kN	120
WINCHES (ISO M5 - L2 - T5)		
		Main Service**
1st layer nominal line pull	kN	137 64
Maximum rope speed (slow/fast)	m/min	0/90 0/70
Rope diameter	mm	22 19
WEIGHT		
Transport configuration	tons	43
Work		kelly version
	tons	44 - 46