

Horizontal Drilling Rig HDD 350



STREICHER Group



Rig, power pack & driller's cabin during commissioning

1 HDD Rig

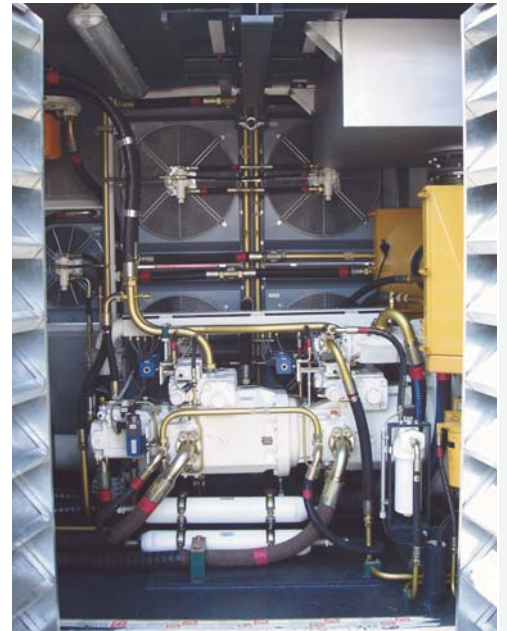
Mainframe/rack length	18 m
Working stroke length	13 m
Carriage travel	Rack and pinion
Max. push/pull force	3,500 kN
Max. push/pull-speed	30 m/min
Max. torque	105,000 Nm
Max. rpm	90 rpm
Setup angle	variable between 5° – 20°; rear support hydraulically adjustable
Break out/make up tong	max. break out torque 205,000 Nm; opening 450 mm; capable of travelling entire rack length
Mainframe weight	44,000 kg Base plate: 3,100 kg; front part: 13,700 kg; rear part: 27,200 kg
Transport	Rack mainframe is separable with front and rear part each fitting in one 40' open top container; no removal of break out/make up tong, carriage and rotary drive
40' Container weight	22,800 kg front section with additional equipment, 31,800 kg rear section
Carriage calibration	Counterbalance system to put on the rack: testing of push/pull forces and torque as well as calibration of sensors can be carried out on site
Load cell integrated into stabshaft for measurement of push/pull forces and torque	
Dynamic brake and anti collision system	



2

Hydraulic Power Pack

Diesel engine	Caterpillar, Type 3412 E, rated power 1015 PS / 746 kW at 1800 RPM, emissions certification according to EPA/CARB
Hydraulic pump for rotation	max. pressure 350 bar, max. flow 900 l/min, closed loop
Hydraulic pump for push/pull	max. pressure 350 bar, max. flow 900 l/min, closed loop
Hydraulic pump for break out/ make up tong and auxiliary functions	max. pressure 250 bar, max. flow 130 l/min, open loop
Hydraulic feed pumps for rotation and push/pull	max. pressure 20 bar, flow each 180 l/min
Hydraulic pump for fan drive	max. pressure 200 bar, flow 115 l/min
Hydraulic filter system	high pressure filters for open loops, feed filters, reverse-flow filters, leak oil filters und air dryers; all filters with contamination indicator
Hydraulic tank	capacity 1,800 l with electric heating and leakage monitoring of the entire hydraulic system if required
Diesel tank	capacity 1,400 l
Cooling system	automatically controlled
Container	20' shipping container with noise insulation on walls and roof, noise absorption installed on air inlets and outlets
Weight	16,700 kg with full tanks



3

Driller's Cabin



Container	20' shipping container
Interior layout	Insulation, heater, air conditioner, vandal-proof
Data acquisition/control	Precise, sensitive control of all functions; limits for push/pull forces and torque can be set and adjusted separately for each direction; data-logger records and stores all operational data and alarms/errors; drilling logs include the electronic recording of push/pull forces and torque; remote data transmission; auto driller
Weight	4,800 kg

Manufacturer:



MAX STREICHER GmbH & Co. KG aA
Schwaigerbreite 17
94469 Deggendorf
Germany
Phone: +49(0)991 330-0
info@streicher-bau.de
www.streicher.de

Operator:



DrillTec GUT GmbH
Großbohr- und Umwelttechnik
Josef-Wallner-Straße 10
94469 Deggendorf, Germany
Phone: +49(0)991 37212-400
info@drilltec.de
www.drilltec.de