



DTC30

COMPACT PILING RIG



DTC

COMPACT PILING RIGS

The DTC series was designed in 2006 in order to satisfy the growing market of compact piling rigs which stand out in maneuverability, ease of transport, low maintenance and running costs.

The DTC design choices ensure an overall lighter structure (at equivalent robustness) than usual machines, which permit the assembly on medium-small size base excavators.

Its compact size guarantees a superior agility in the jobsites, which results in high productivity comparable with much larger piling rigs.

The innovative architecture consists of a steel boom which support a monolithic mast capable of independent vertical translation. The new concept of a boxed steel mast, which internally contains the telescopic Kelly bar, allowing for a higher rigidity, better stability (the Kelly bar is closer to the crawler base compared to an external Kelly configuration), and a reduction of noise during

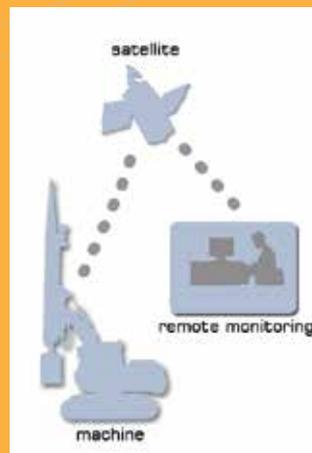
the tool discharge. Other unique features include the possibility of a wide range of mast positions, with longer reach compared to a traditional machine, along with better visibility of the working area. The winches, mounted directly on the mast, make the rope movements independent from the mast positioning, improving the easiness of operation and cables' durability.

Electronic devices

DTC series machines are equipped with an electronic system which controls and displays several functions and parameters.

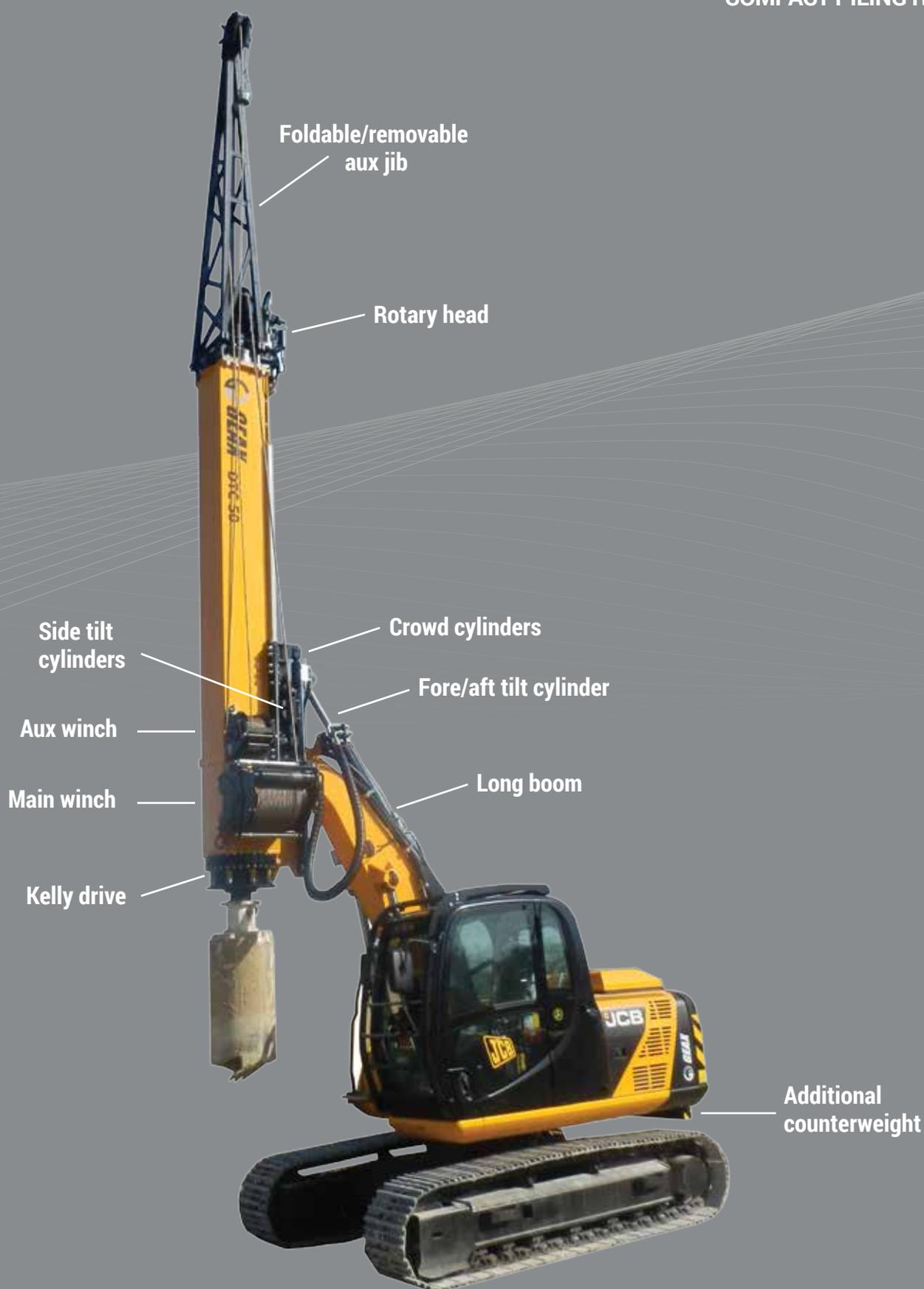
- Automatic alignment of the mast
- Mast inclination display
- Depth measuring device

A GPS system enables GEAX owners to monitor and manage their machines remotely by a PC connected to the Internet

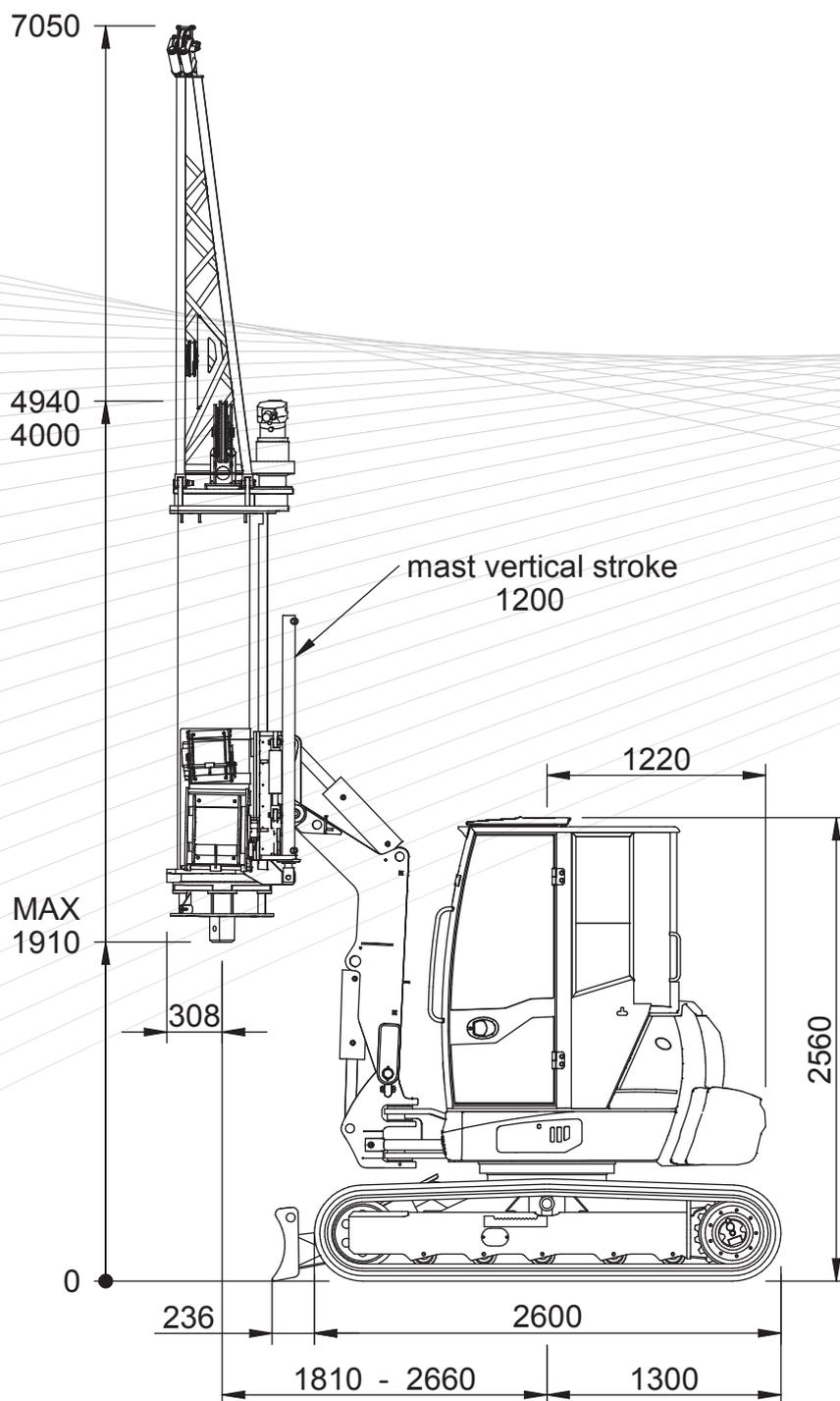


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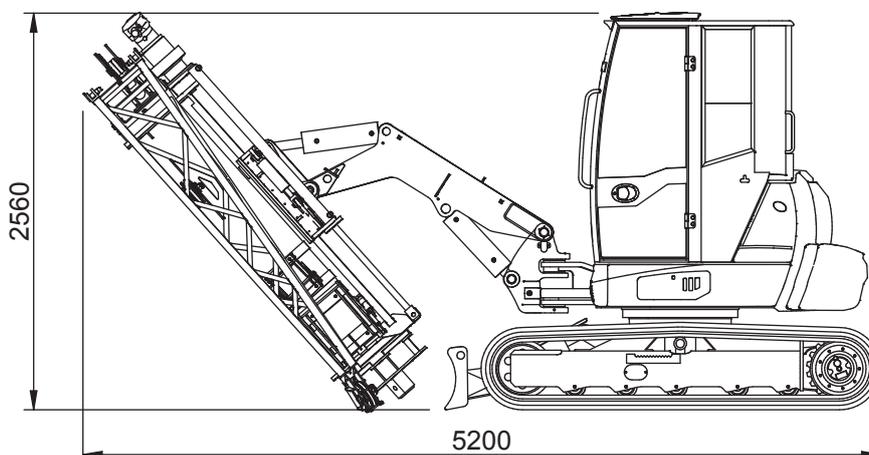


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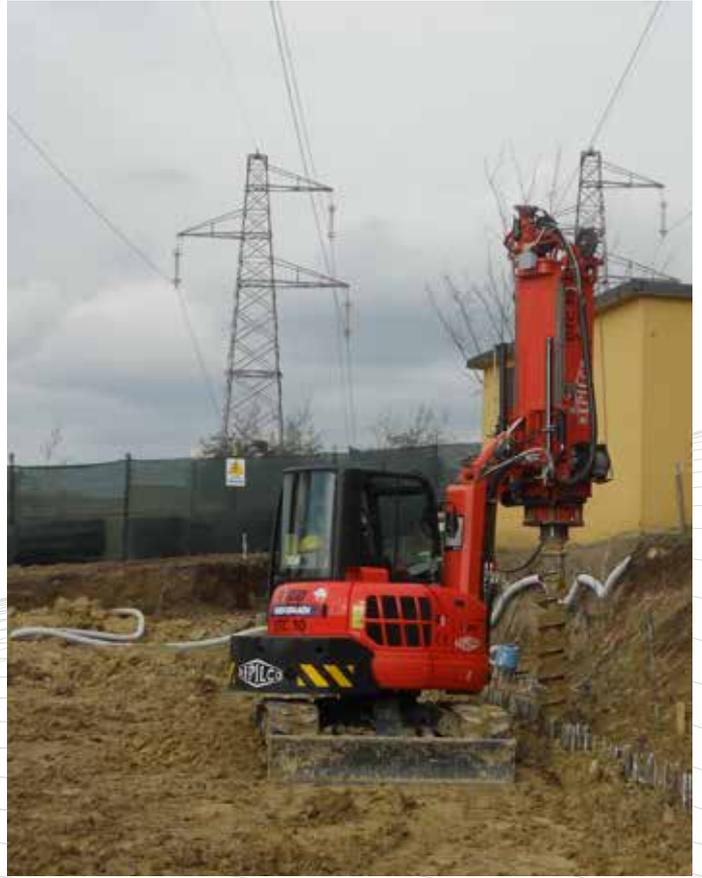


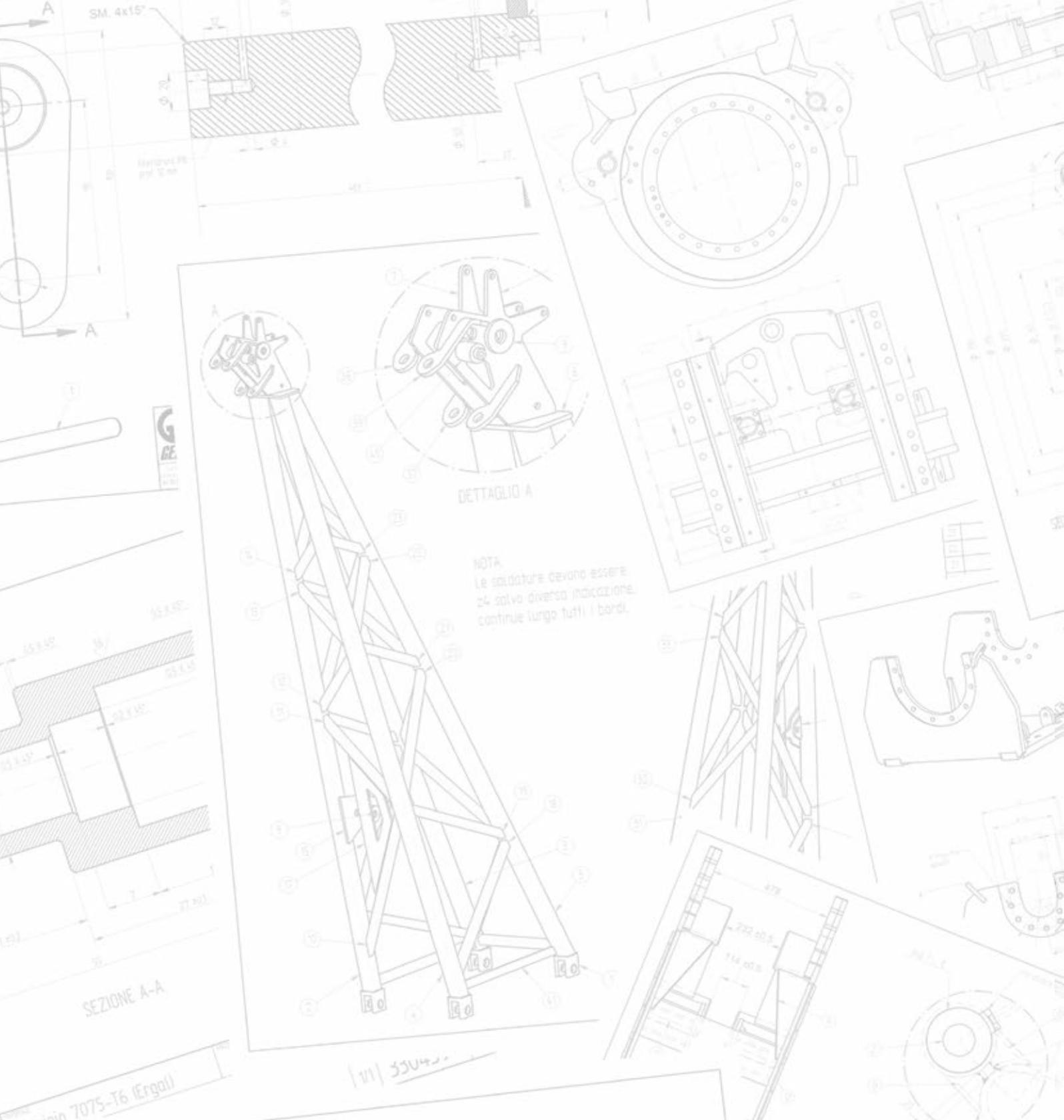
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BASE		EUROCOMACH ESP60 / JCB67C-1
Engine	<i>type</i>	KUBOTA V2607-DI / Kohler KDI 1903
Engine power	<i>kW - hp</i>	33.8 - 46 / 41 - 55
Undercarriage length	<i>mm - ft</i>	2600 - 8.5 / 2490 - 8.2
Width over tracks	<i>mm - ft</i>	1980 - 6.5 / 2000 - 6.6
Shoe width	<i>mm - in</i>	400 - 15.7
HYDRAULIC SYSTEM		
Main pump	<i>l/min</i>	140 / 144
Auxiliary pump	<i>l/min</i>	17 / 25
Hydraulic pressure	<i>bar</i>	230
MAST		
Forward inclination	<i>deg</i>	20
Backward inclination	<i>deg</i>	20
Lateral inclination	<i>deg</i>	6.5
Mast vertical stroke	<i>mm - ft</i>	1200 - 3.95
ROTARY		
Nominal torque	<i>kNm - lbf ft</i>	27 - 19.900
Drilling speed	<i>rpm</i>	10 ÷ 45
Spin off speed	<i>rpm</i>	45
WINCHES		
Main winch line pull	<i>kN - lbf</i>	35 - 7.800
Aux winch line pull	<i>kN - lbf</i>	11 - 2500
CROWD SYSTEM		
Pull down force	<i>kN - lbf</i>	45 - 10.200
Extraction force	<i>kN - lbf</i>	60 - 13.400
EXCAVATION		
Max pile diameter	<i>mm - in</i>	800 - 32
Max pile depth	<i>m - ft</i>	14.5 - 47.5
Min working height	<i>mm - ft</i>	5.480 - 18
TRANSPORT		
Length	<i>mm - ft</i>	5.200 - 17
Width	<i>mm - ft</i>	1.98 - 6.5
Height	<i>mm - ft</i>	2.560 - 8.4
Weight	<i>kg - lbs</i>	9.500 - 20.950









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