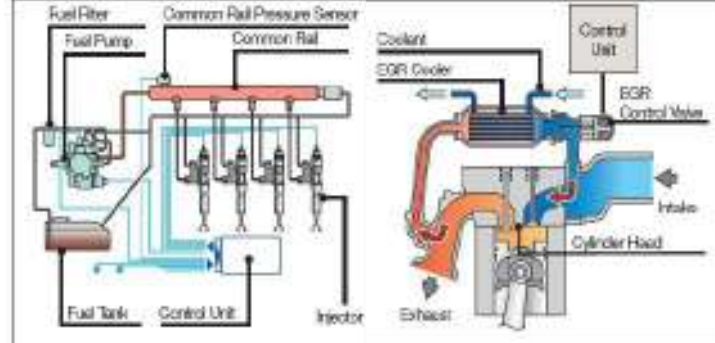


CF 6



# High Performances with Less Fuel Consumption

The new performant hydraulic plants give more power to increase the productivity. The **LOAD SENSING VALVE** permits to feed the movements which are activated, adapting instantly to the oil flow, allowing a consumption reduction. The oil and filters change intervals have been extended, reducing maintenance time and expenses. The engine control unit drives the fuel pump at an ultrahigh pressure to inject the fuel into the cylinders through a common rail device. The cooler **EGR** system mixes exhaust gasses with intake air for a re-combustion, lowering combustion temperature and reducing fuel consumption. The new engines comply with the US norms **TIER 4 Final** and the **EU Stage V**.



# Worldwide Service

Our technical support service provides quick access to factory expertise, while our commercial team is always on hand to provide fast and competitive quotes. Our service network covers over 25 countries all over the world.



# Easy Maintenance

Routine maintenance is essential for keeping unscheduled downtime to an absolute minimum and ensuring the overall reliability of your machine, but it can be difficult finding the time to carry out regular checks on busy construction sites. The new bases has been designed with time-saving, conveniently accessible features that will make it easy for you to perform routine service and cleaning procedures, so you can get the machine back to work as quickly as possible.



# Comfortably in control

The new cabs provided with air conditioning, radio-CD player, multifunction LCD monitor and an absorbing and eating seat, guarantee a comfortable position and ensures an excellent view of the working area. Through the multifunction monitor (optional) the operator can check all the machine parameters and can start the rear view by a camera. The cabs are also protected by new system Center Pillar Reinforced Structure. Our machines are provided with an electronic device which measures the drilling depth and can be equipped also with the mast automatic alignment device which improves the verticality of the pile.







<b>Carro Base</b>		<b>Base Carrier</b>			
Tipo	Type	Case CX130D			
Motore diesel	Diesel engine	Isuzu AR-4JJ1X			
Normativa emissioni	Exhaust emission standard	EU Stage V - US EPA Tier4			
Potenza a 2300 rpm	Rated power @ 2300 rpm	78,5	kW	107	HP
Capacità serbatoio carburante	Fuel tank capacity	260	l	69	gal
Livello di pressione sonora in cabina	Sound pressure level in cabin	69 dB(A)			
Livello di potenza sonora	Sound power level	107 dB(A)			
<b>Impianto idraulico</b>		<b>Hydraulic System</b>			
Portata pompe principali	Main pumps flow rate	2 x 129	l/min	1 x 34	gpm
Portata pompa secondaria	Auxiliary pump flow rate	54	l/min	14,3	gpm
Pressione di lavoro	Working hydraulic pressure	300	bar	4351	psi
Massima pressione	Max hydraulic pressure	340	bar	4930	psi
Capacità serbatoio olio idraulico	Hydraulic oil tank capacity	82	l	21,7	gal
<b>Sottocarro</b>		<b>Undercarriage</b>			
Carreggiata	Overall tracks width	2490	mm	97,1	in
Lunghezza	Overall tracks length	2861	mm	111,6	in
Larghezza pattini a tre barre	Width of triple grouser track shoes	500	mm	19,5	in
Velocità di traslazione	Travel speed	5,6	Km/h	3,5	mph
Forza di trazione	Traction force	116	kN	26077	lbs
<b>Rotary idraulica</b>		<b>Hydraulic rotary head</b>			
Coppia max nominale	Max nominal torque	60	kNm	44254	ft lbs
Velocità max di perforazione	Max drilling speed	30	rpm	30,0	rpm
Velocità di scarico	Spin-off speed	60	rpm	60,0	rpm
<b>Argano Principale</b>		<b>Main winch</b>			
Tiro sul 1° strato	Line pull on 1st layer	80	kN	17984	lbs
Velocità max	Max line speed	25	m/min	82	ft/min
Diametro della fune	Rope diameter	20	mm	0,77	in
<b>Argano Ausiliario</b>		<b>Auxiliary winch</b>			
Tiro sul 1° strato	Line pull on 1st layer	35	kN	9316	lbs
Velocità max	Max line speed	50	m/min	164	ft/min
Diametro della fune	Rope diameter	14	mm	0,55	in
<b>Martinetto Pull Down</b>		<b>Crowd Ram System</b>			
Forza di estrazione	Extraction force	150	kN	33721	lbs
Forza di spinta	Crowd force	120	kN	26976	lbs
Corsa	Stroke	2000	mm	79	in
<b>Motoriduttore a catena</b>		<b>Crowd Chain-Motor System</b>			
Forza di estrazione/spinta	Extraction/crowd force	80	kN	17984	lbs
Corsa	Stroke	6150	mm	242	in
<b>Pali</b>		<b>Kelly bar bored piling</b>			
Diametro min	Min diameter	350	mm	13,8	in
Diametro max fronte mast	Max diameter along mast	1200	mm	47,2	in
Diametro max sotto mast	Max diameter below mast	2000	mm	78,7	in
Diametro max con tubi forma	Max diameter with casing pipes	800	mm	31,5	in
Profondità max	Max depth	30	m	98,5	ft
<b>Pali ad altezza limitata</b>		<b>Low Headroom bored piling</b>			
Altezza di lavoro con supporto alto	Working height with mast support up	7660	mm	25,1	ft
Altezza di lavoro con supporto basso	Working height with mast support dow	7124	mm	23,3	ft
Profondità max	Max depth	18	m	59,0	ft
<b>Pali ad altezza super limitata</b>		<b>Super Low Headroom bored piling</b>			
Altezza di lavoro con supporto alto	Working height with mast supporto up	6100	mm	20,0	ft
Altezza di lavoro con supporto basso	Working height with mast supporto do	5700	mm	18,7	ft
Profondità max	Max depth	15	m	49,2	ft

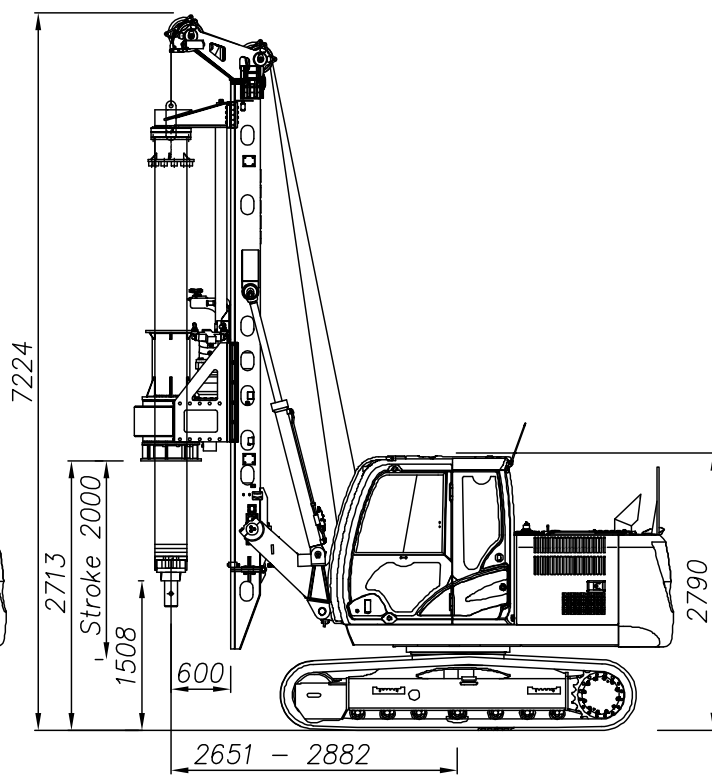
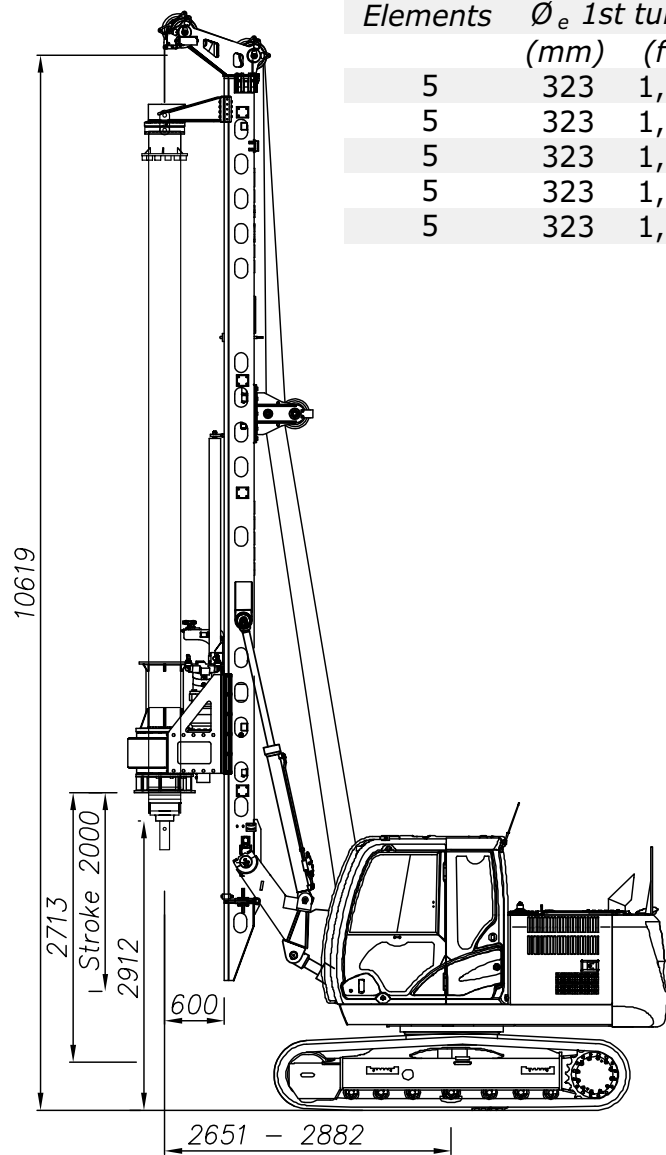
<b>Pali CFA</b>		<b>CFA bored piling</b>				
Diametro min	<i>Min diameter</i>	300	mm	11,8	in	
Diametro max	<i>Max diameter</i>	600	mm	23,6	in	
Profondità max	<i>Max depth</i>	9	m	23,0	ft	
Profondità max con prolunga di 3m	<i>Max depth with 3m auger extension</i>	12	m	39,4	ft	
Forza di estrazione con tiro in II	<i>Extraction force on 2nd layer pull</i>	160	kN	35968	lbs	
<b>Pali CFA - allungata</b>		<b>CFA bored piling - extended</b>				
Diametro min	<i>Min diameter</i>	300	mm	11,8	in	
Diametro max	<i>Max diameter</i>	650	mm	29,6	in	
Profondità max	<i>Max depth</i>	11	m	36,1	ft	
Profondità max con prolunga di 4m	<i>Max depth with 4m auger extension</i>	15	m	49,2	ft	
Forza di estrazione con tiro in III	<i>Extraction force on 3rd layer pull</i>	240	kN	53952	lbs	
<b>Dimensioni per il trasporto</b>		<b>Transport dimensions</b>				
Lunghezza in versione kelly bar	<i>Length in kelly bar mode</i>	10284	mm	33,7	ft	
Lunghezza in versione CFA	<i>Length in CFA mode</i>	9477	mm	31,1	ft	
Altezza in versione kelly bar	<i>Height in kelly bar mode</i>	3200	mm	10,5	ft	
Altezza in versione CFA	<i>Height in CFA mode</i>	3000	mm	9,8	ft	
Larghezza	<i>Width</i>	2495	mm	8,2	ft	
Peso (con Kelly Bar da 30m)	<i>Weight (with 30m kelly bar)</i>	21500	kg	47399	lbs	
Peso (in versione CFA da 12m)	<i>Weight (in CFA mode for 12m)</i>	20000	kg	44100	lbs	



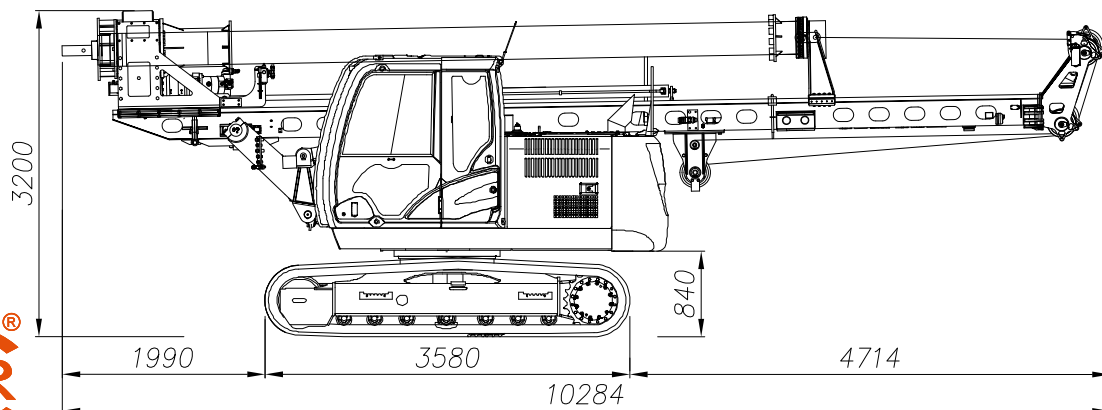


**Aste a bloccaggio**  
Mechanical locking kelly bar

Elementi	Ø <sub>e</sub> 1° tubo		Lunghezza (A)		Profondità		Altezza (H)	
Elements	Ø <sub>e</sub> 1st tube		Lenght (A)		Depth		Height (H)	
	(mm)	(ft)	(mm)	(ft)	(m)	(ft)	(mm)	(ft)
5	323	1,06	7300	24,2	30	98,46	2576	8,4
5	323	1,06	6880	22,6	28	91,9	3026	9,9
5	323	1,06	6000	19,7	24	78,7	3906	12,8
5	323	1,06	4623	15,1	18	59	4761	15,6
5	323	1,06	3852	12,6	15	49,2	5436	17,8



**Configurazione trasporto / Transport configuration**









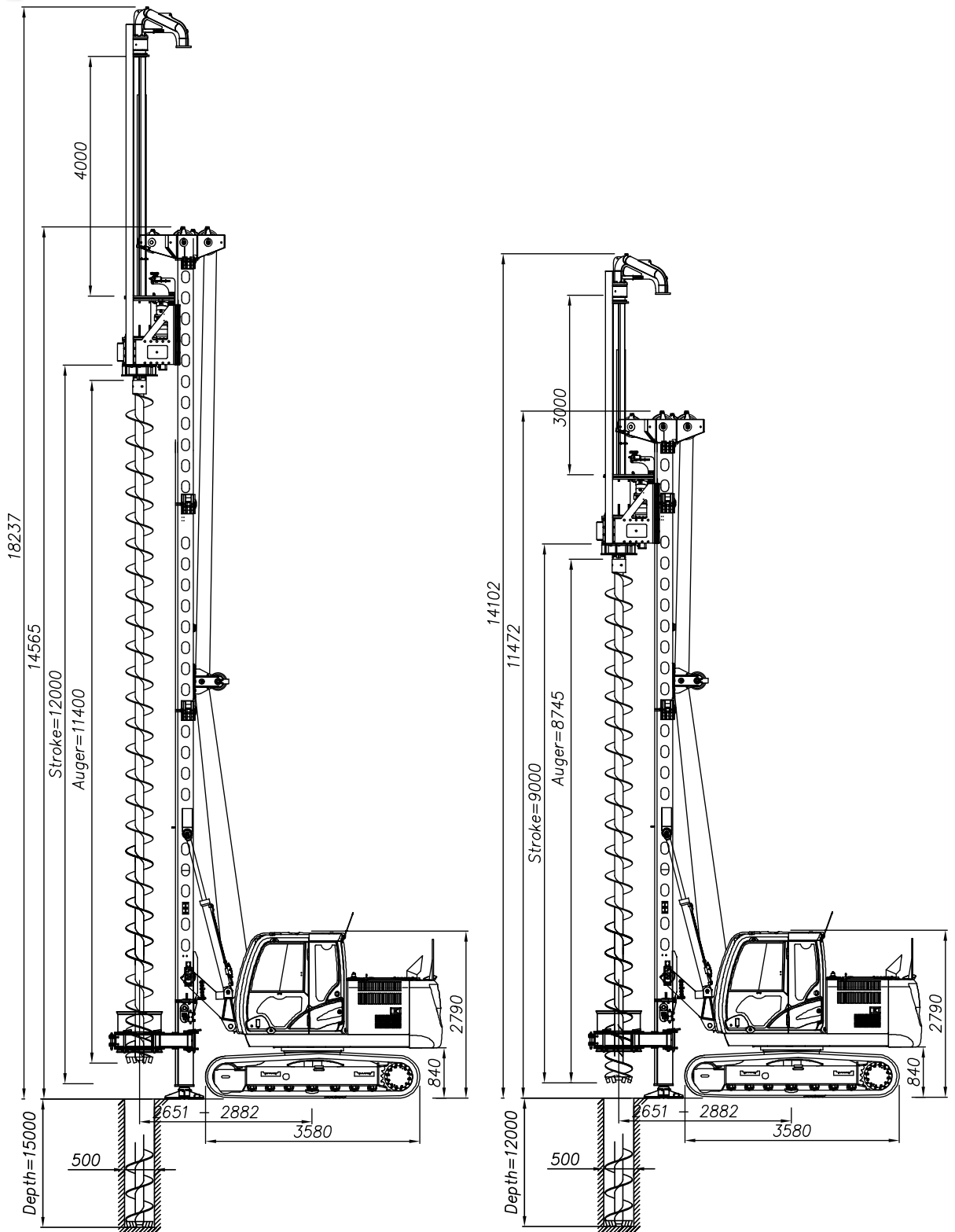
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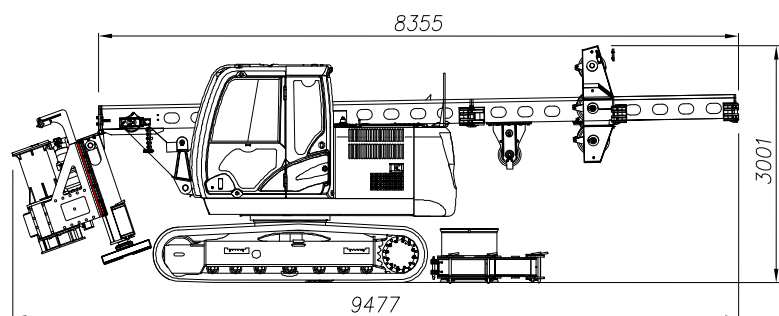
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**Configurazione trasporto / Transport configuration**





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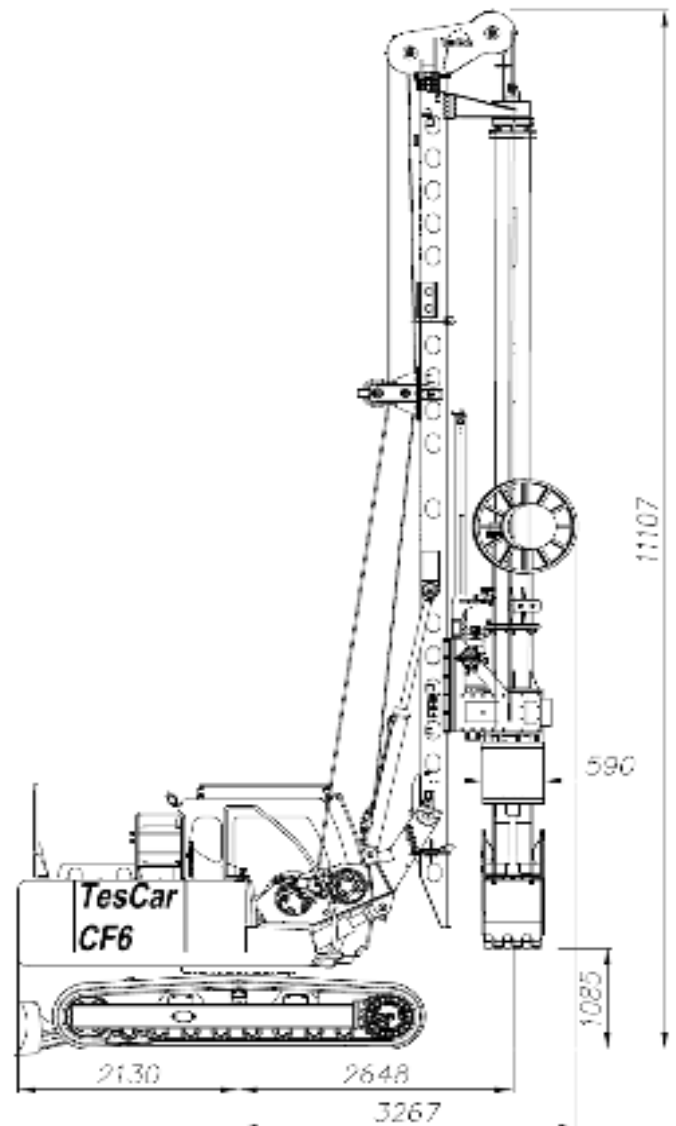
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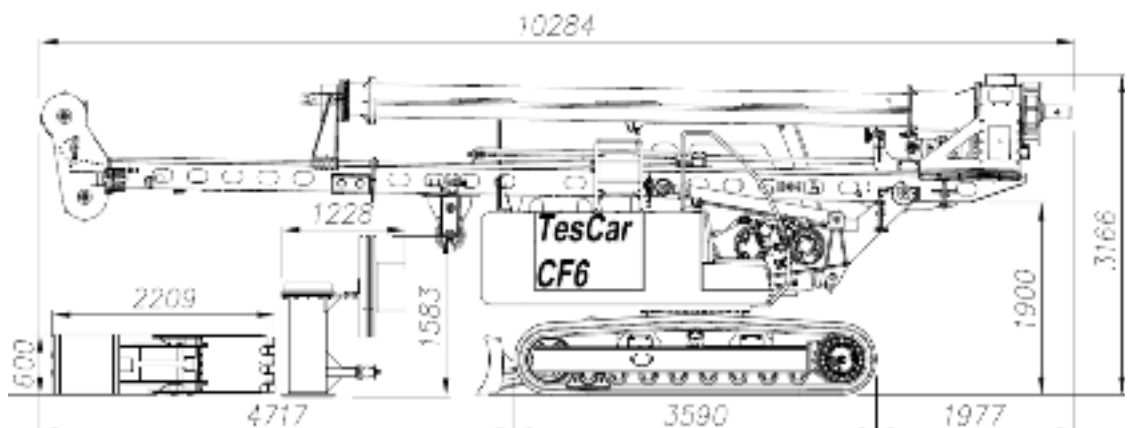


**Dimensioni di scavo**  
**Borehole dimensions**

Larghezza max. diaframma	600	mm
Max. diaphragm width	23,6	in
Lunghezza max. diaframma	2	m
Max. diaphragm length	7	ft
Profondità massima	14	m
Max. depth	46	ft



**Configurazione trasporto / Transport configuration**

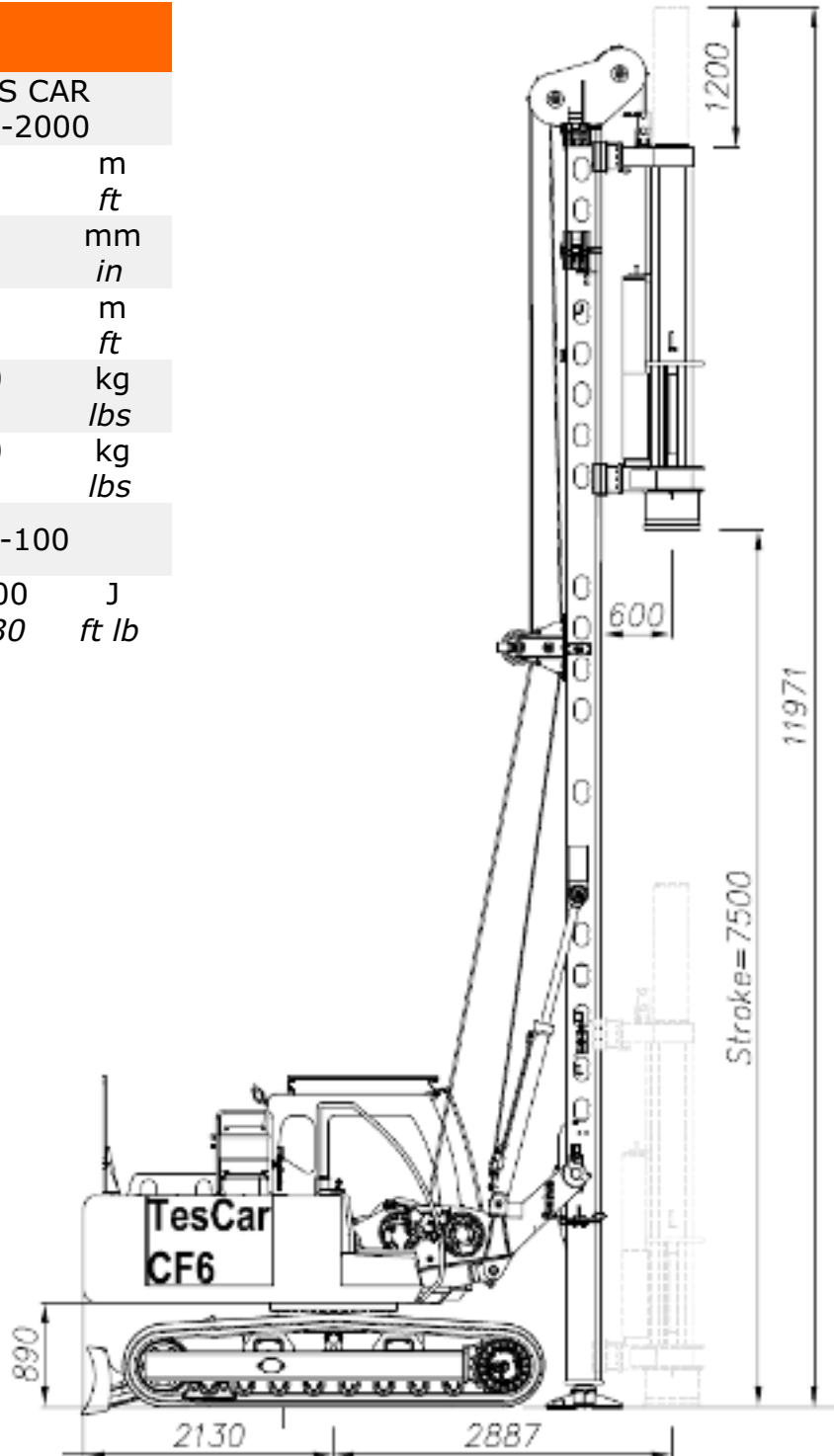






### Dati tecnici Technical data

Martello idraulico <i>Hydraulic hammer</i>	TES CAR TH-2000	
Corsa <i>Stroke</i>	7,5 25	m ft
Diametro max. del palo <i>Max. pile diameter</i>	400 16	mm in
Altezza max. del palo <i>Max. pile height</i>	7,9 26	m ft
Peso del pistone <i>Piston weight</i>	2000 4	kg lbs
Peso totale <i>Total weight</i>	3000 7	kg lbs
Colpi al minuto <i>Blow per min.</i>	0-100	
Energia per colpo <i>Energy per blow</i>	0-23500 0-17330	J ft lb

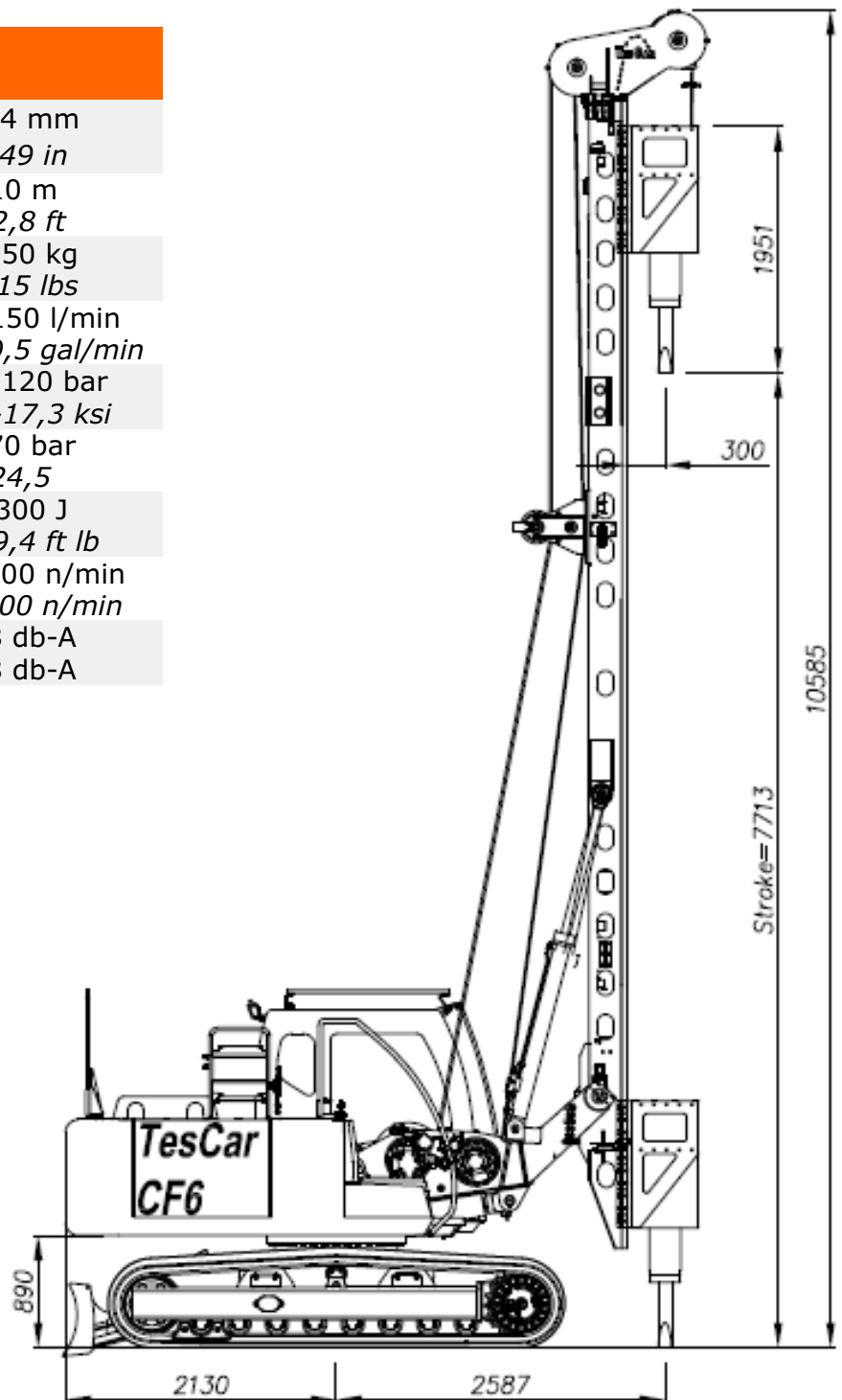


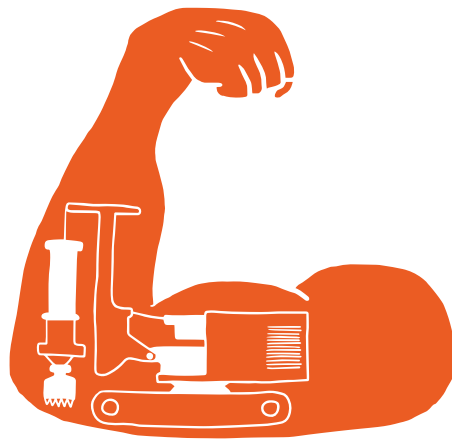




### Dati tecnici Technical data

Diametro del palo	114 mm
<i>Pile diameter</i>	<i>4,49 in</i>
Profondità	10 m
<i>Depth</i>	<i>32,8 ft</i>
Peso del martello	1050 kg
<i>Weight of breaker</i>	<i>2315 lbs</i>
Portata richiesta	130-150 l/min
<i>Oil supply required</i>	<i>34,3-39,5 gal/min</i>
Pressione al martello	110-120 bar
<i>Pressure to the breaker</i>	<i>15,9-17,3 ksi</i>
Pressione all'escavatore	170 bar
<i>Pressure to the digger</i>	<i>24,5</i>
Energia per colpo	2300 J
<i>Energy per blow</i>	<i>1799,4 ft lb</i>
Colpi al minuto	500-600 n/min
<i>Striking rate per minute</i>	<i>500-600 n/min</i>
Rumorosità	88 db-A
<i>Noisiness</i>	<i>88 db-A</i>





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