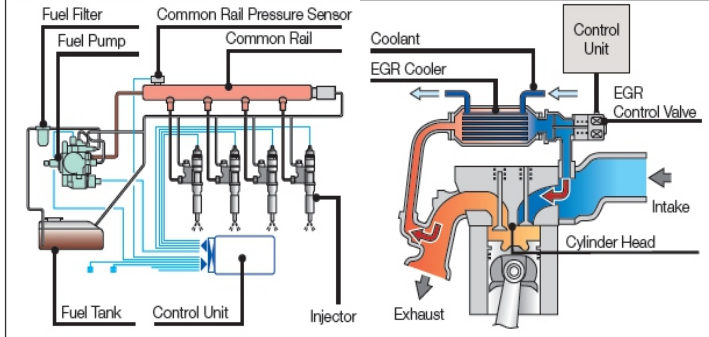


CF 6 SERIES



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** and the



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



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.



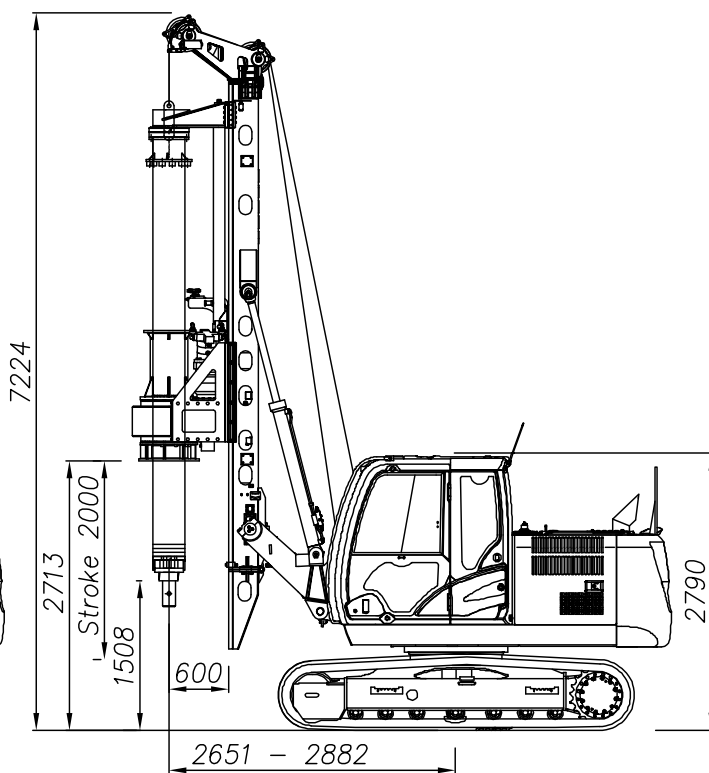
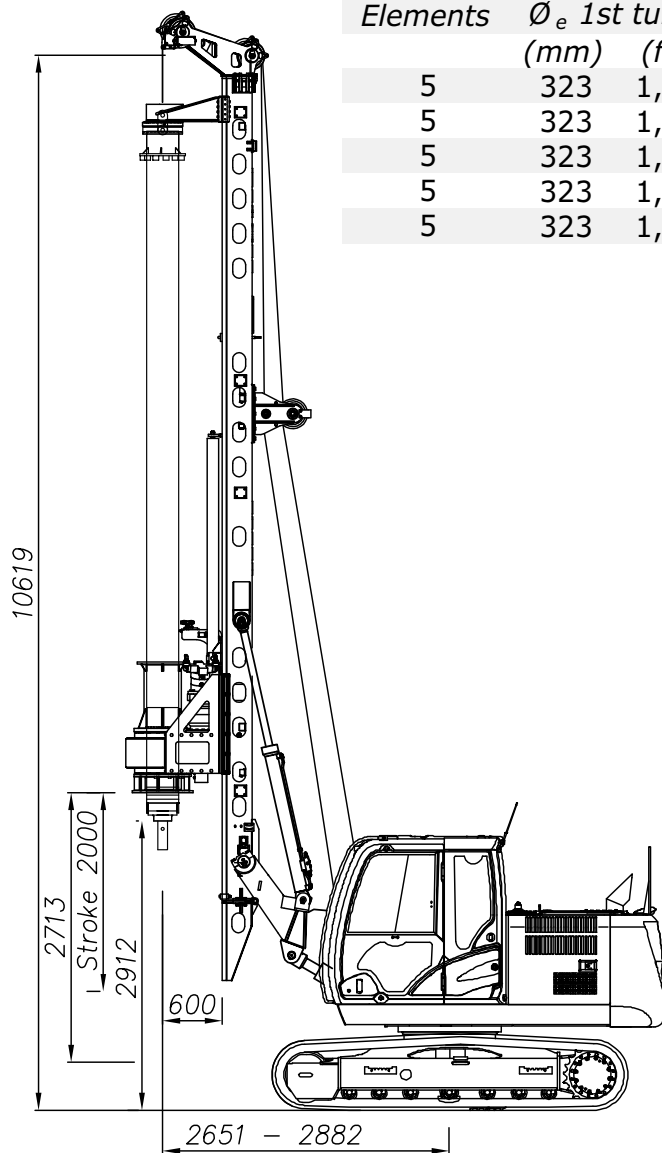


Base		Base			
Motore Diesel	Diesel engine model	83	kW	110	HP
Capacità serbatoio carburante	Fuel tank capacity	260	l	69	gal
Capacità serbatoio olio	Hydraulic oil tank capacity	157	l	41,5	gal
Classe di emissioni	Emissions rating	Tier 4 Final			
Cabina		Cab			
Certificazione ROPS & FOPS	ROPS & FOPS Certification				
Sedile e bracciolo regolabili	Adjustable seat and arm rest				
Sedile ammortizzato	Suspension seat				
Aria condizionata	Air conditioner				
Sottocarro		Undercarriage			
Larghezza cingoli	Track width	2500	mm	8,2	ft
Lunghezza cingoli	Track length	3760	mm	12,3	ft
Larghezza pattini	Shoe width	500	mm	19,2	in
Velocità di traslazione max.	Max. travel speed	5,5	Km/h	3,4	mph
Velocità di rotazione torretta	Swing speed	4,5	rpm	4,5	rpm
Impianto idraulico		Hydraulic plant			
Valvola load sensing	Load sensing valve				
Pompa principale	Main pump flow	258	l/min	68,2	gpm
Pompa secondaria	Auxiliary pump flow	27,7	l/min	7,3	gpm
Massima pressione di lavoro	Max working pressure	35	MPa	5.076	psi
Capacità serbatoio olio	Capacity oil tank	157	l	39,6	gal
Argani idraulici		Hydraulic winches			
Argano principale	Main winch line pull	7000	daN	15.737	lbs
Argano di servizio	Service winch line pull	3500	daN	7.868	lbs
Testa di rotazione idraulica		Hydraulic rotary head			
Coppia	Torque	6000	daNm	44.254	ft lbs
Velocità di perforazione	Rotation speeds	15 - 30 - 60 rpm			
Velocità di scarico	Spin-off speed	60 rpm			
Corsa	Rotary head stroke	2000	mm	6,56	ft
Tiro martinetto pull-down	Max. extraction force	15000	daN	33.721	lbs
Spinta martinetto pull-down	Max. crowd force	20000	daN	44.962	lbs
Dimensioni di perforazione		Drilling dimensions			
Diametro massimo	Max. diameter	1200	mm	47,2	in
Diametro minimo	Min. diameter	400	mm	15,7	in
Profondità massima	Max. Depth	30	m	98,4	ft
Dimensioni per il trasporto		Transport dimensions			
Altezza	Height	3200	mm	10,5	ft
Lunghezza	Length	10284	mm	33,7	ft
Larghezza	Width	2500	mm	8,2	ft
Peso (con asta da 30m)	Weight (with 30m kelly bar)	21500	kg	47.399	lbs
Sistemi di sicurezza		Safety system			
Cicalino con macchina in movimento	Travel buzzer				
Estintore	Fire extinguisher				
Livella a bolla sulla torre	Spirit level on the mast				
Livella elettronica in cabina	Electronic level in the cab				
Profondimetro digitale	Digital depth gauge				
Cassetta attrezzi	Tools box				
Arresto fine corsa	Stroke limit switch				
Arresto motore esterno cabina	Operator safety lever				

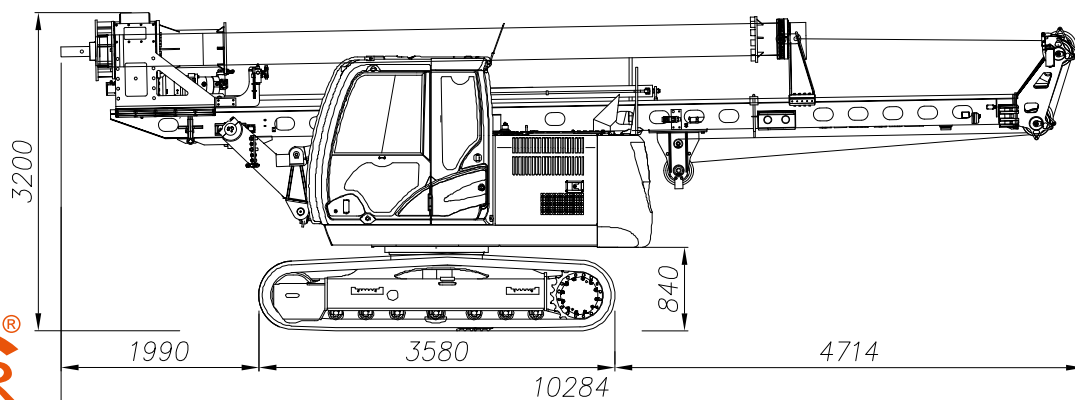
Aste a bloccaggio

Mechanical locking kelly bar

Elementi	Ø _e 1° tubo	Lunghezza (A)	Profondità	Altezza (H)
Elements	Ø _e 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



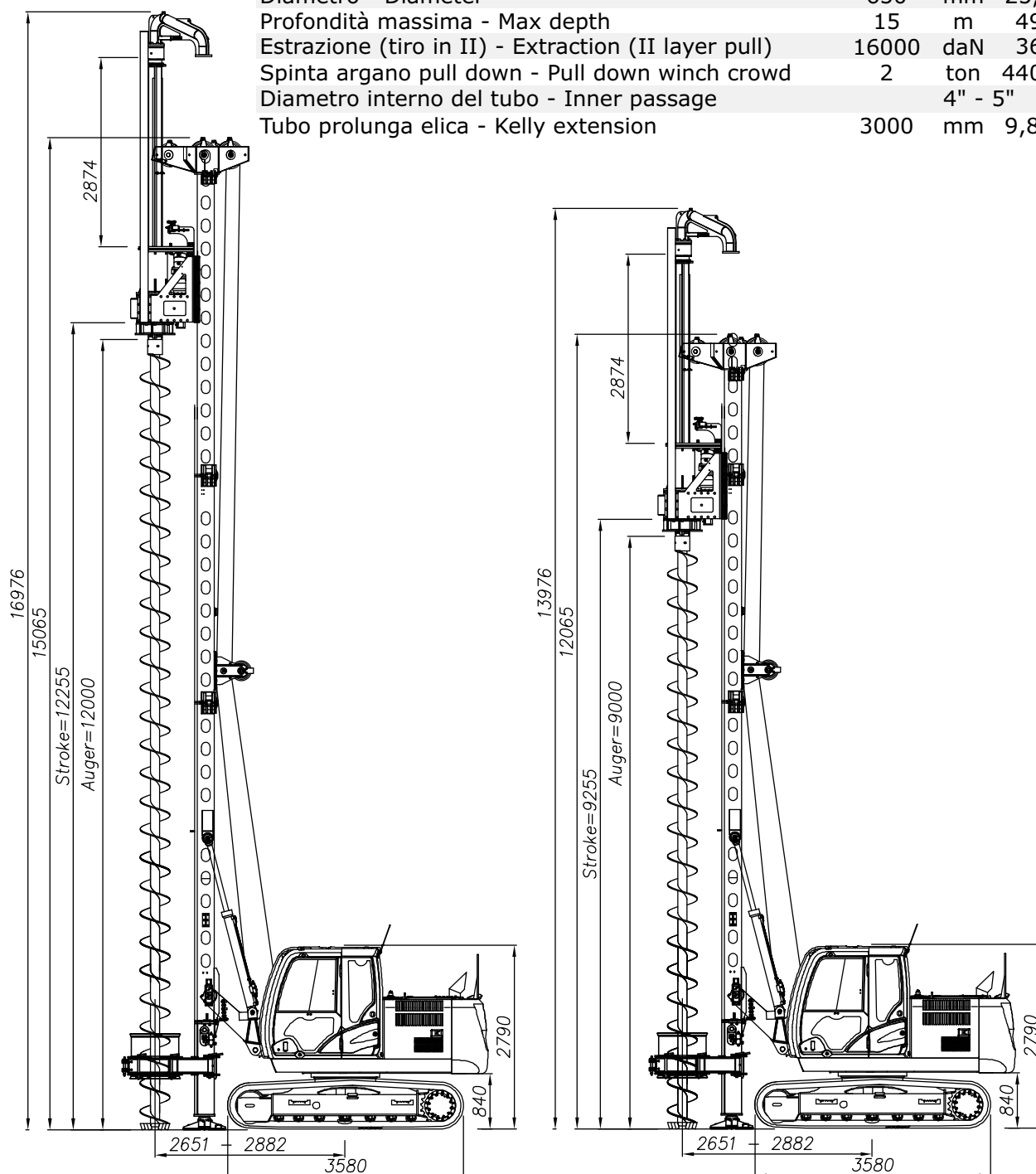
Configurazione trasporto / Transport configuration



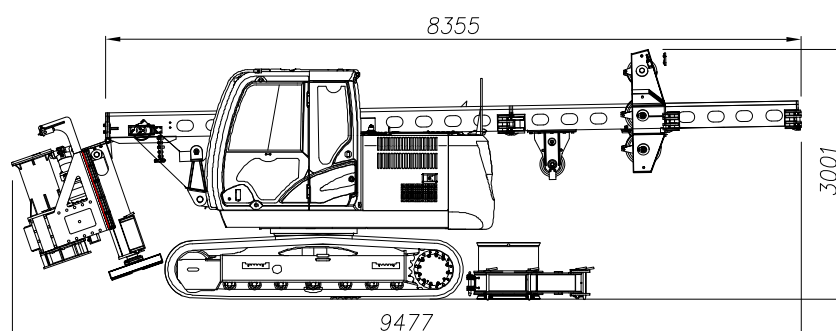


Dimensioni di scavo CFA Borehole dimensions CFA

Diametro - Diameter	650	mm	25,6	in
Profondità massima - Max depth	15	m	49	ft
Estrazione (tiro in II) - Extraction (II layer pull)	16000	daN	36	lbs
Spinta argano pull down - Pull down winch crowd	2	ton	4409	lbs
Diametro interno del tubo - Inner passage	4" - 5"			
Tubo prolunga elica - Kelly extension	3000	mm	9,84	ft



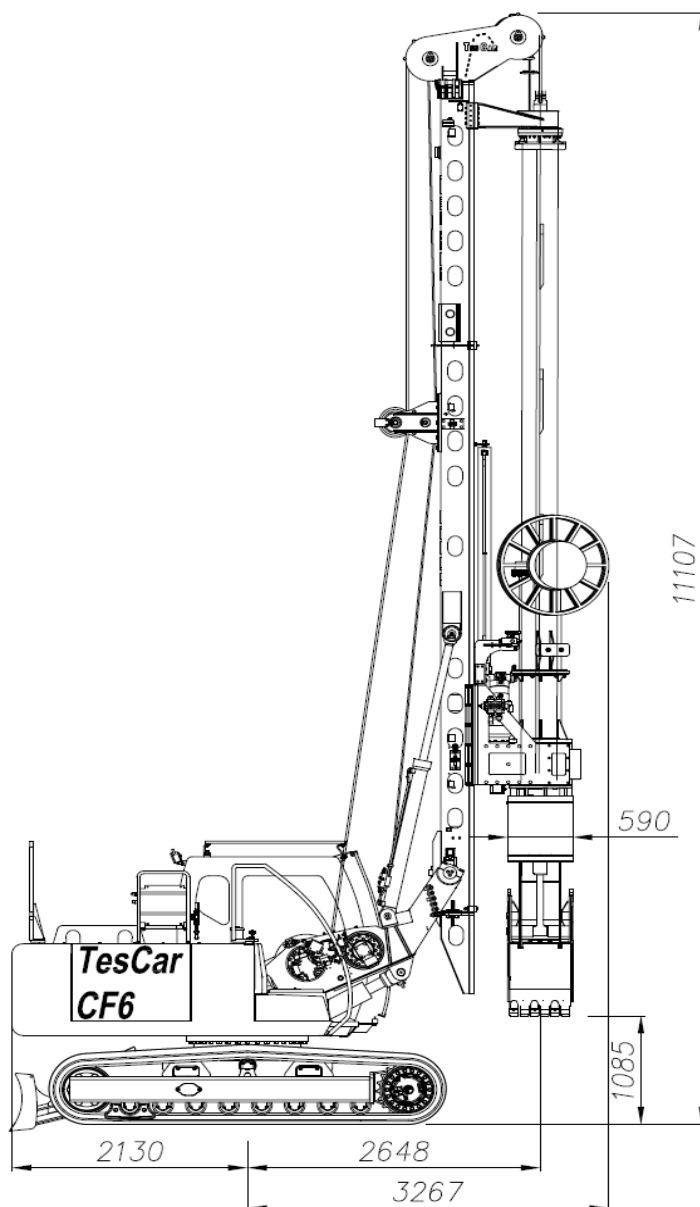
Configurazione trasporto / Transport configuration



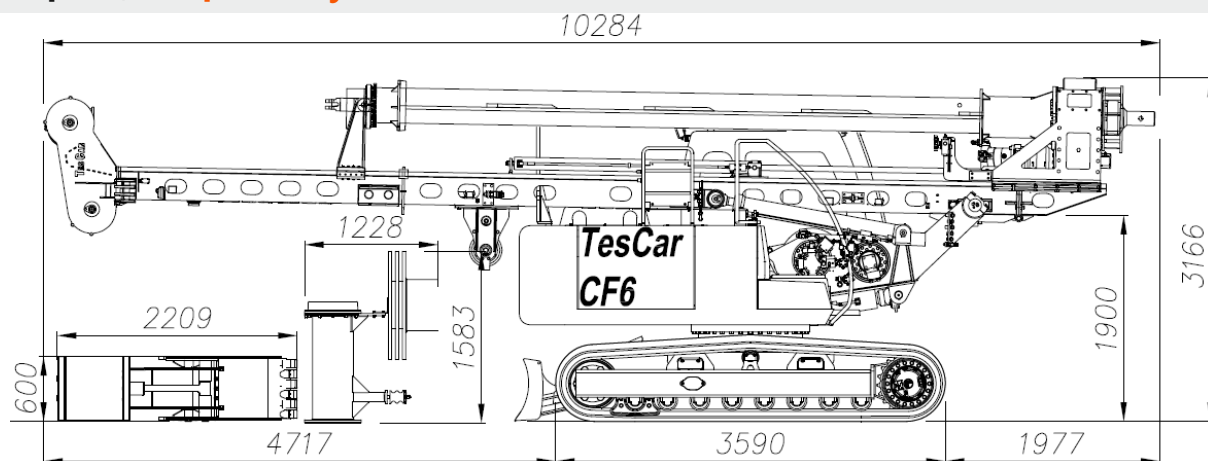


Dimensioni di scavo Borehole dimensions

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

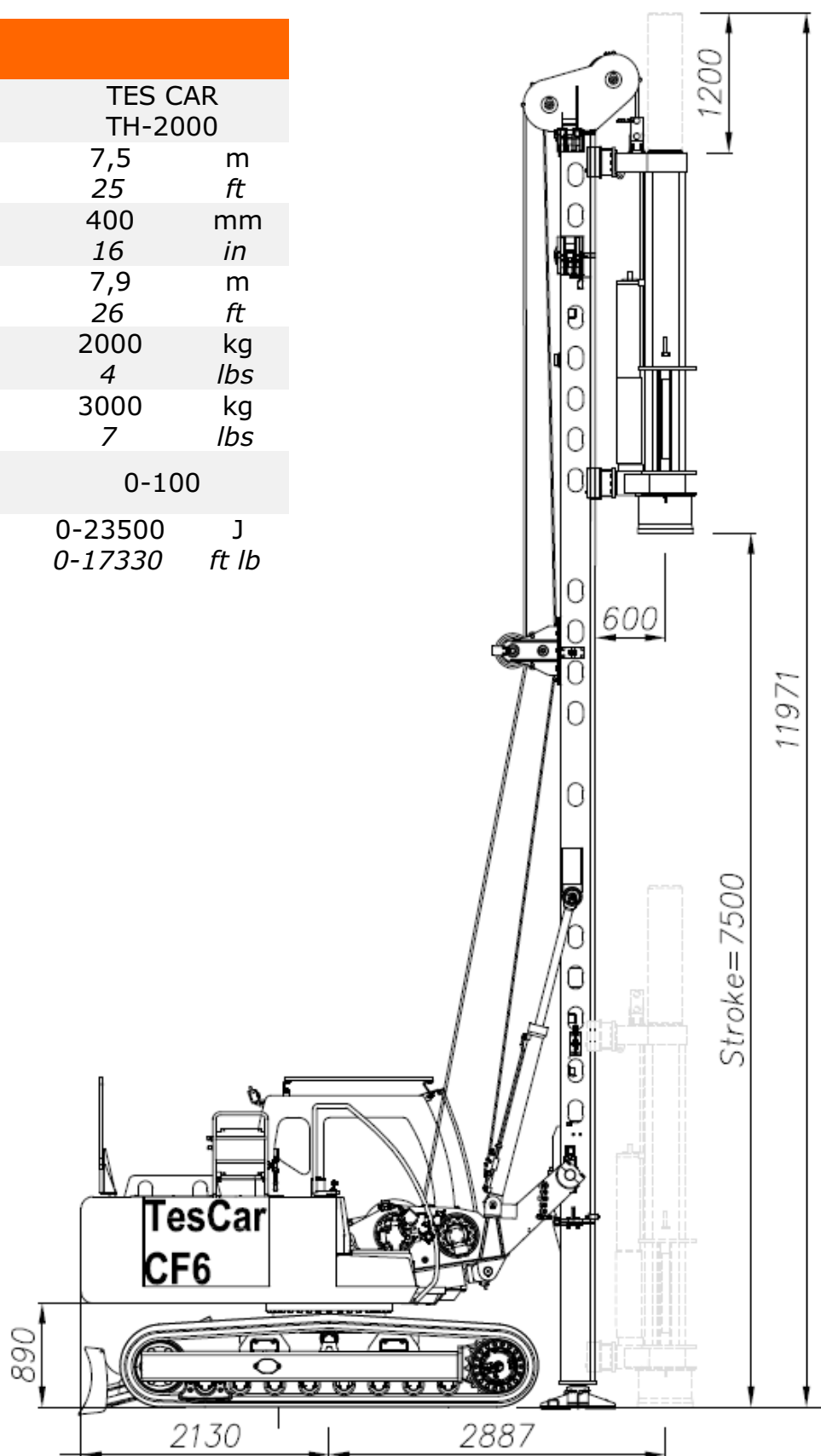




Dati tecnici

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

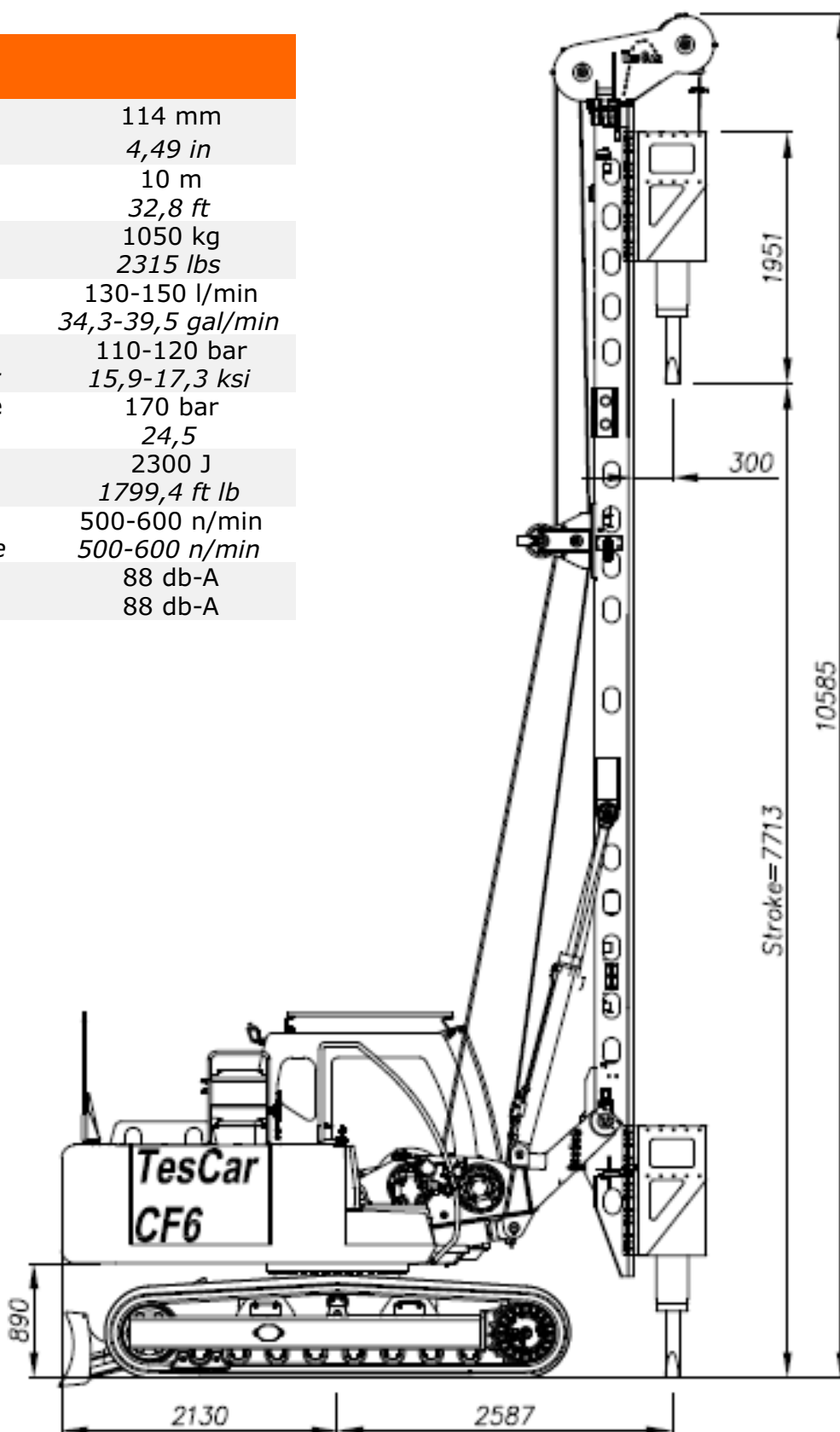




Dati tecnici

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>





Dati tecnici Technical data

Diametro max del foro 500 mm

Max hole diameter 19,7 in

Profondità 12 m

Depth 39,4 ft

Martello fondo foro MISSION SD15

MISSION SD15 DTH hammer

Kit applicabile alla CF6

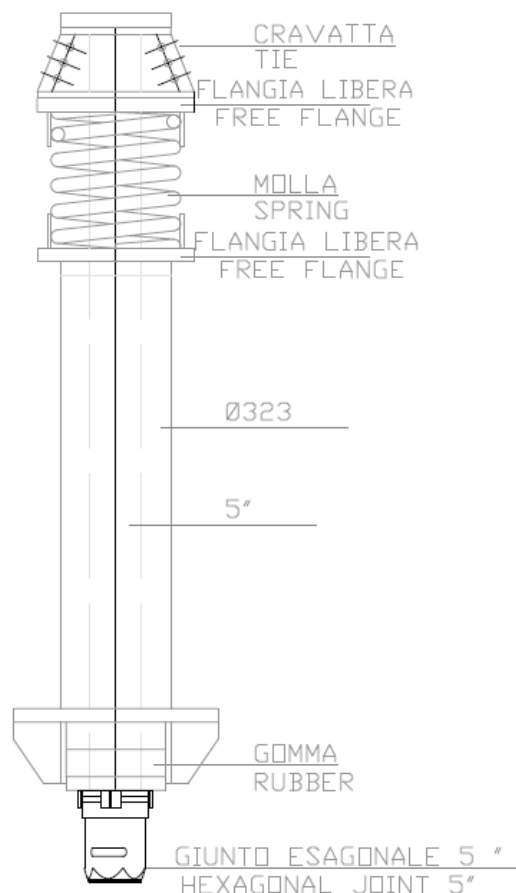
Kit suitable for CF6

Cravatta, Flangia libera, Molla, Canotto,
Anello in gomma, Giunto esagonale da 5"

Tie, Free flange, Spring, Rotary Sleeve,
Rubber ring, hexagonal joint 5"

Compressore da 25.000 l/min a 25 bar

Air compressor with 25.000 l/min at 25 bar







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