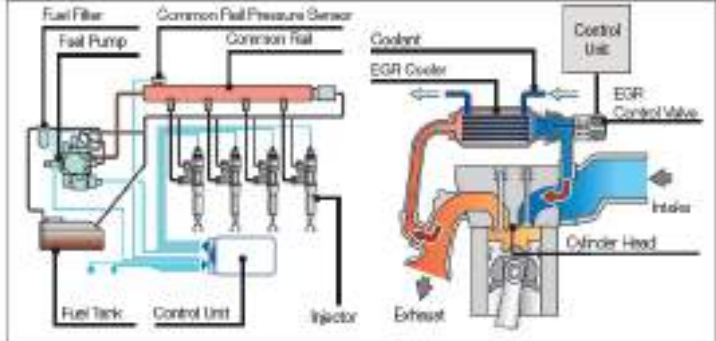




High Performances with Less Fuel Consumption

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 EU Euro 4.



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.



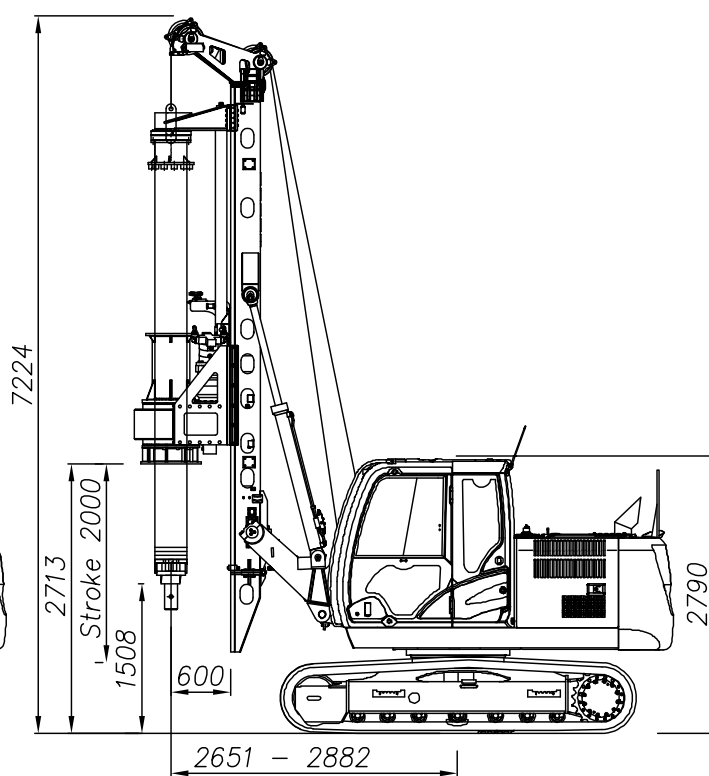
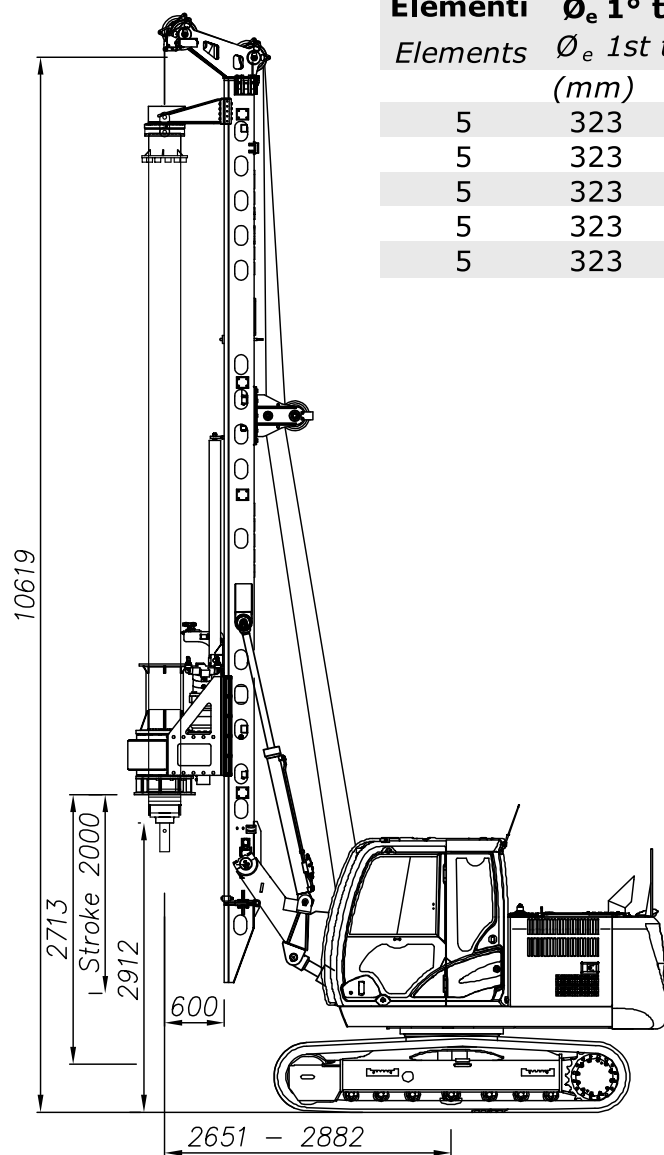


Base HITACHI		HITACHI Base			
Tipo	Type	Hitachi ZX130 LCN-5B			
Motore Diesel Tier4	Diesel engine Tier4	Isuzu AJ-4JJ1X			
Potenza 2150 rpm	Rated power 2150 rpm	73,4	kW	98	HP
Capacità serbatoio carburante	Fuel tank capacity	280	l	74	gal
Capacità serbatoio olio	Hydraulic oil tank capacity	70	l	18,5	gal
Base JCB		JCB Base			
Tipo	Type	JCB JS130 LC			
Motore Diesel Tier4	Diesel engine Tier4	JCB EcoMAX 444 TCA 81			
Potenza 2150 rpm	Rated power 2150 rpm	81	kW	108	HP
Capacità serbatoio carburante	Fuel tank capacity	220	l	58	gal
Capacità serbatoio olio	Hydraulic oil tank capacity	73	l	19,3	gal
Base DOOSAN		DOOSAN Base			
Tipo	Type	Doosan DX140 LC5			
Motore Diesel Tier4	Diesel engine Tier4	Perkins 1204F			
Potenza 2000 rpm	Rated power 2000 rpm	86	kW	115	HP
Capacità serbatoio carburante	Fuel tank capacity	265	l	70	gal
Capacità serbatoio olio	Hydraulic oil tank capacity	150	l	39,6	gal
Sottocarro		Undercarriage			
Larghezza cingoli	Track width	2490	mm	8,2	ft
Lunghezza cingoli	Track length	3750	mm	12,3	ft
Larghezza pattini	Shoe width	500	mm	1,6	ft
Velocità di traslazione max.	Max. Traveling speed	5,5	Km/h	3,4	mph
Velocità di rotazione torretta	Turret swing speed	4,5	rpm	4,5	rpm
Impianto idraulico		Hydraulic plant			
Valvola load sensing	Load sensing valve				
Portata pompa principale	Main pump flow	240	l/min	63,4	gpm
Portata pompa secondaria	Auxiliary pump flow	30	l/min	7,9	gpm
Massima pressione di lavoro	Max working pressure	35	MPa	5076,3	psi
Argani idraulici		Hydraulic winches			
Argano principale	Main winch	7000	daN	15,737	lbs
Argano di servizio	Service winch	3500	daN	7,868	lbs
Testa di rotazione idraulica		Hydraulic rotary head			
Coppia	Torque	6000	daNm	44.254	ft lbs
Velocità di perforazione	Drilling speed	7-16	rpm	7-16	rpm
Velocità di scarico	Spin-off speed	76	rpm	76,0	rpm
Corsa	Stroke	2000	mm	6,560	lbs
Tiro martinetto pull-down	Pull-down ram extraction	15000	daN	33,721	lbs
Spinta martinetto pull-down	Pull-down ram crowd	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	98,5	ft
Dimensioni per il trasporto		Transport dimensions			
Altezza	Height	3190	mm	10,5	ft
Lunghezza	Length	10284	mm	33,7	ft
Larghezza	Width	2490	mm	8,2	ft
Peso (con asta da 30 m)	Weight (with 30 m kelly bar)	21000	kg	46,297	lbs
Sistemi di sicurezza		Safety system			
Cicalino con macchina in movimento	Travel buzzer				
Estintore	Fire extinguisher				
Livella sulla torre	Spirit level on the mast				
Livella in cabina	Spirit level in the cab				
Arresto fine corsa	Stroke limit system				
Arresto motore esterno cabina	Cab safety lever				

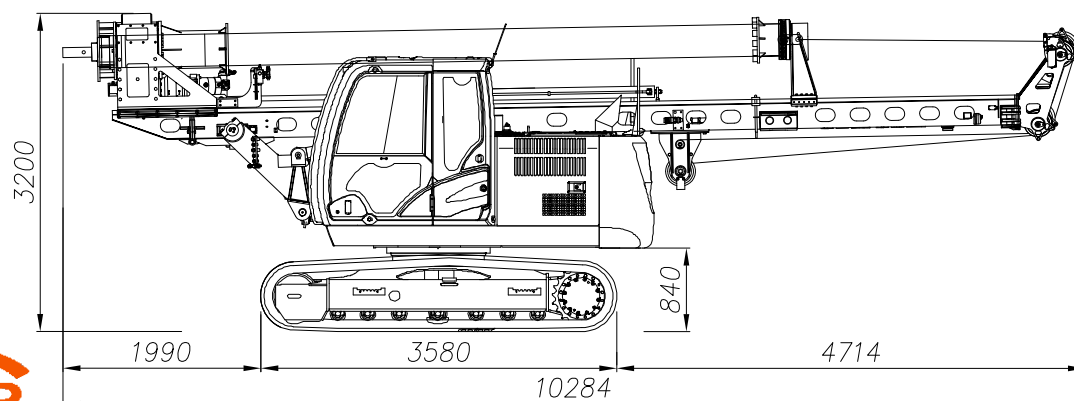
Aste a bloccaggio

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	98,5	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



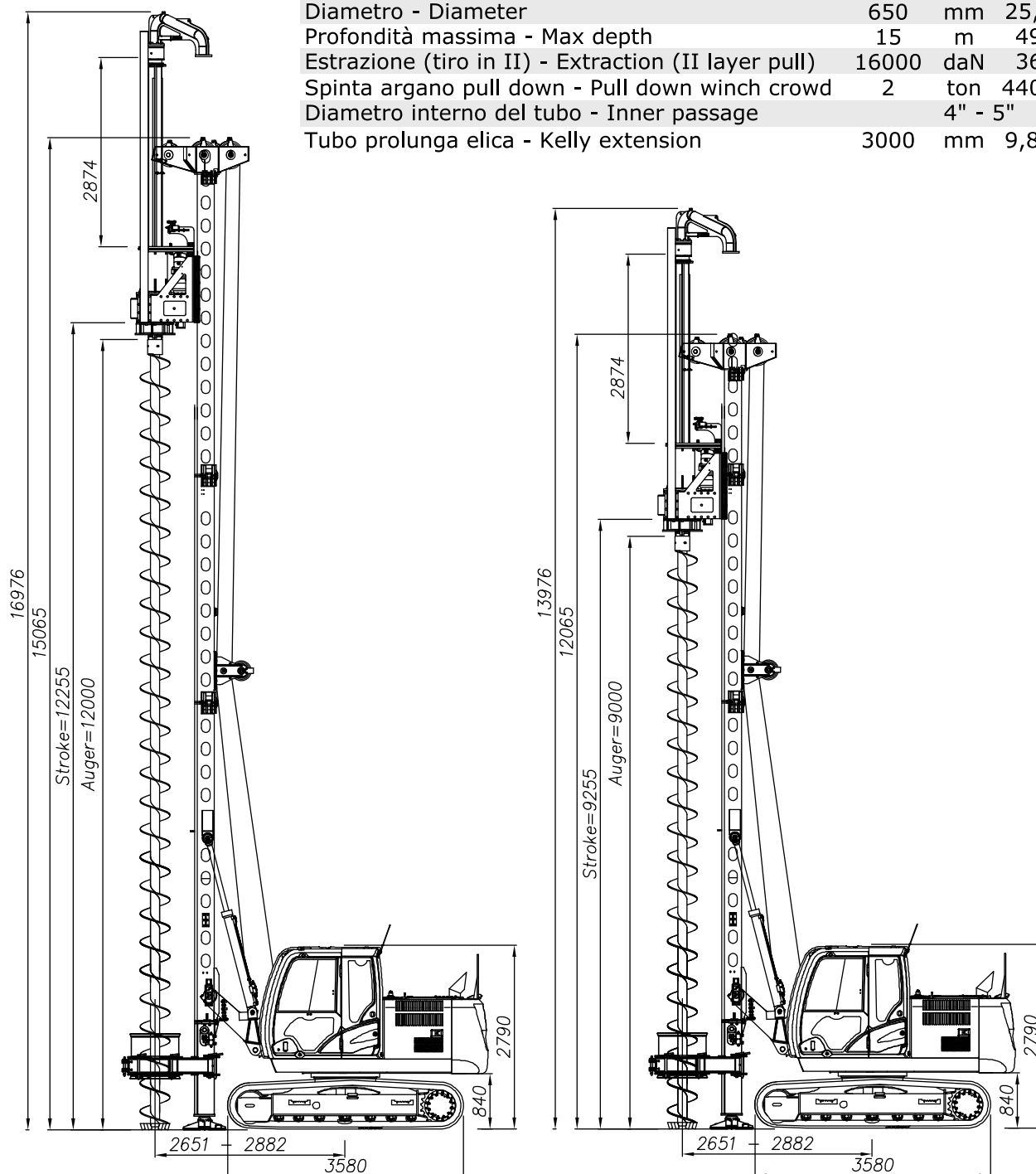
Configurazione trasporto / Transport configuration



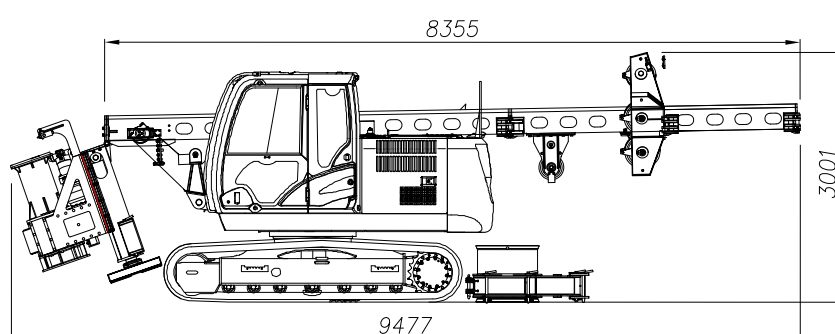


Dimensioni di scavo CFA Borehole dimensions CFA

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



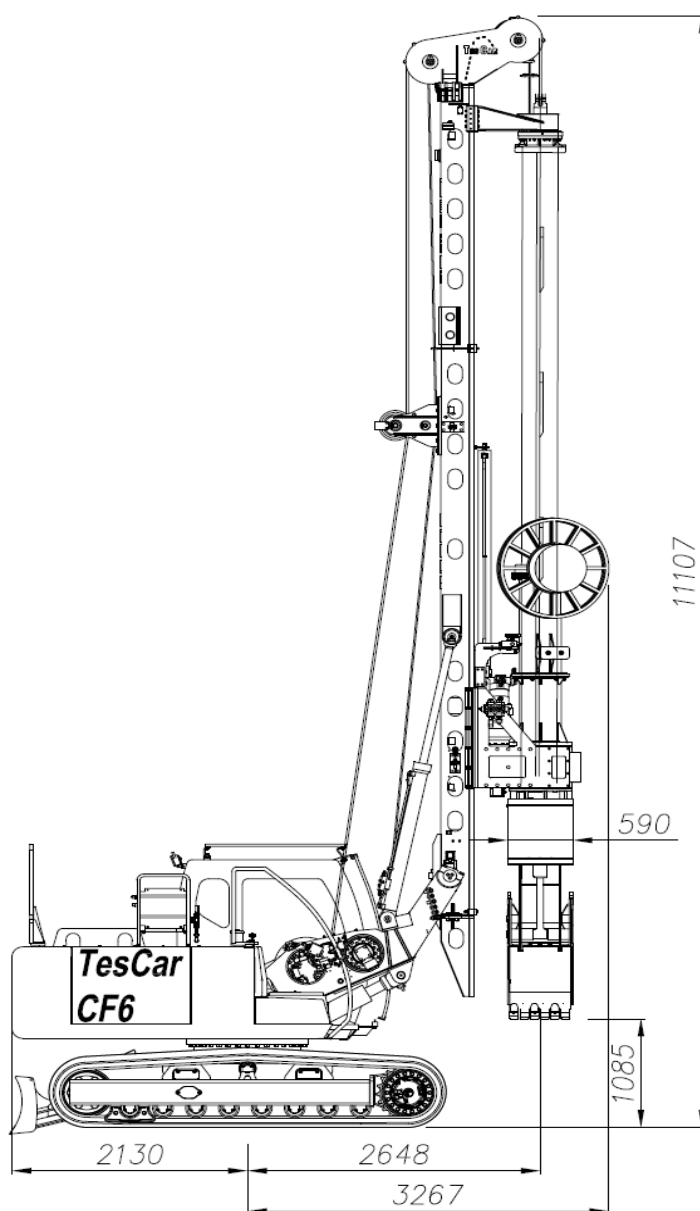
Configurazione trasporto / Transport configuration



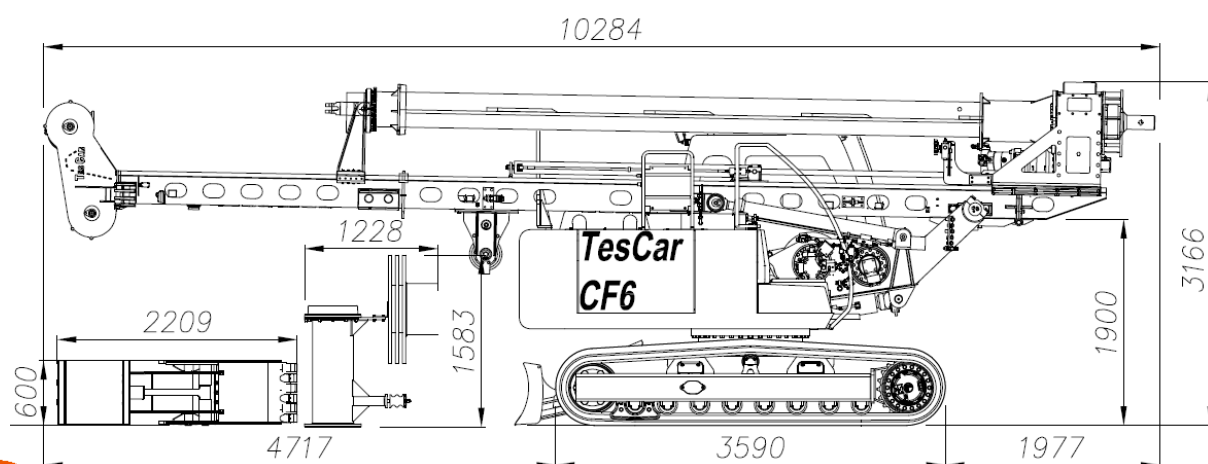


Dimensioni di scavo Borehole dimensions

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



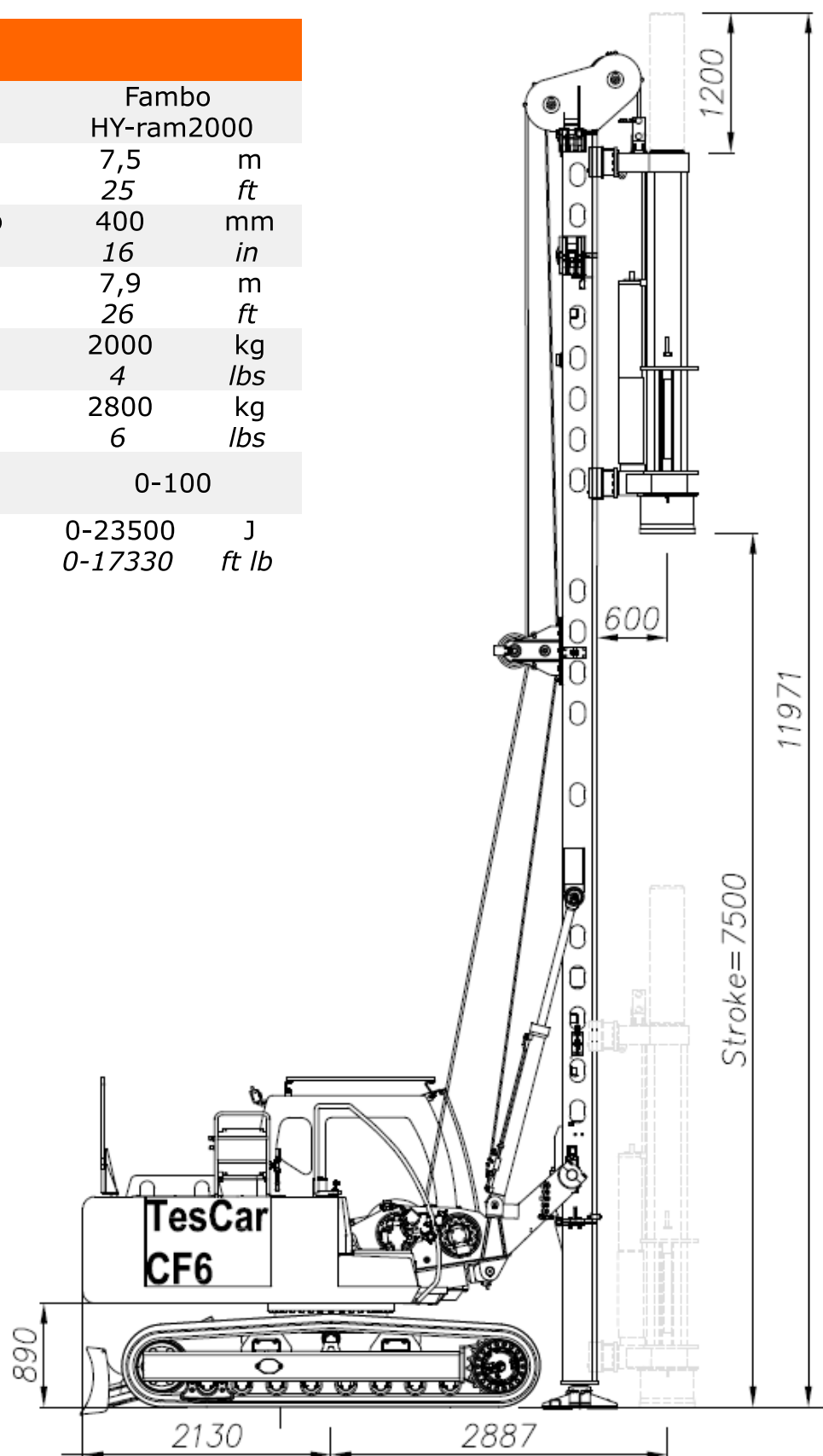
Configurazione trasporto / Transport configuration





Dati tecnici Technical data

Martello idraulico <i>Hydraulic hammer</i>	Fambo HY-ram2000
Corsa <i>Stroke</i>	7,5 m 25 ft
Diametro max. del palo <i>Max. pile diameter</i>	400 mm 16 in
Altezza max. del palo <i>Max. pile height</i>	7,9 m 26 ft
Peso del pistone <i>Piston weight</i>	2000 kg 4 lbs
Peso totale <i>Total weight</i>	2800 kg 6 lbs
Colpi al minuto <i>Blow per min.</i>	0-100
Energia per colpo <i>Energy per blow</i>	0-23500 J 0-17330 ft lb

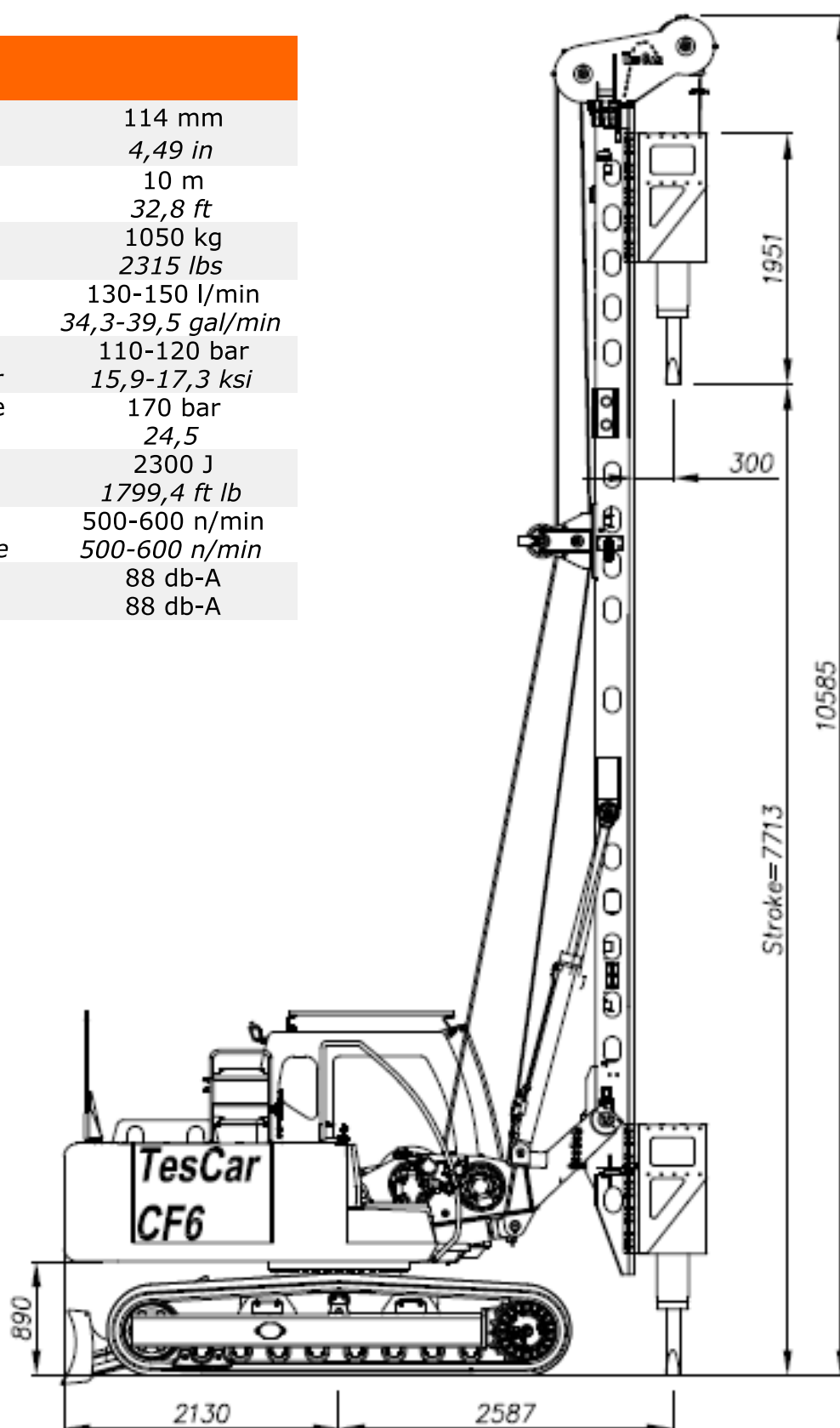




Dati tecnici

Technical data

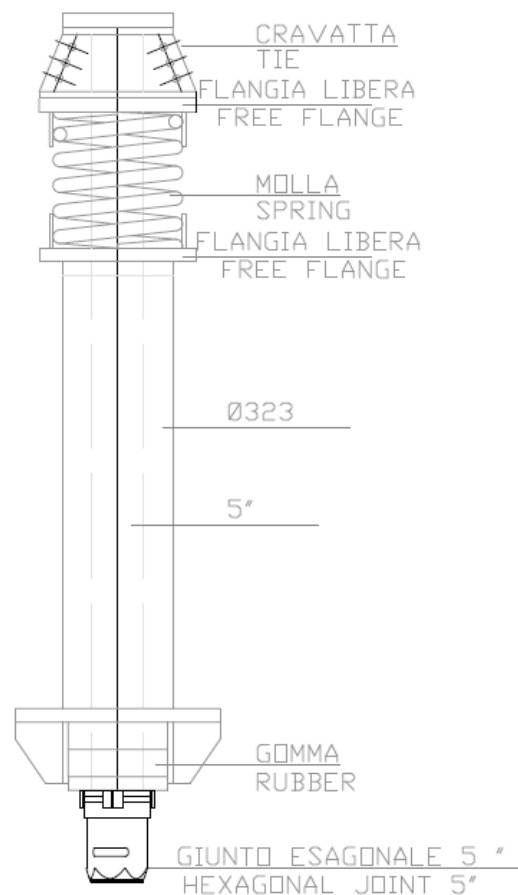
Diametro del palo	114 mm
<i>Pile diameter</i>	<i>4,49 in</i>
Profondità	10 m
<i>Depth</i>	<i>32,8 ft</i>
Peso del martello	1050 kg
<i>Weight of breaker</i>	<i>2315 lbs</i>
Portata richiesta	130-150 l/min
<i>Oil supply required</i>	<i>34,3-39,5 gal/min</i>
Pressione al martello	110-120 bar
<i>Pressure 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	





TES CAR SRL

(Head Office)

Via Flaminia II, 18

60027 Osimo(AN) - Italy

Tel. +39.071.7231883

Tel. +39.071.714372

Fax. +39.071.714416

Website. www.tescar.com

E-mail. info@tescar.com



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