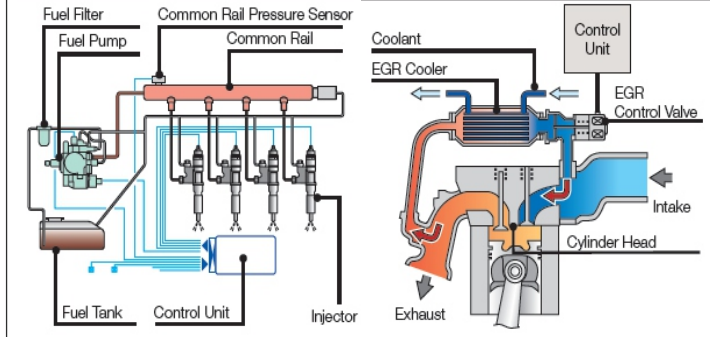


# CF 6 SERIES



# 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 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.



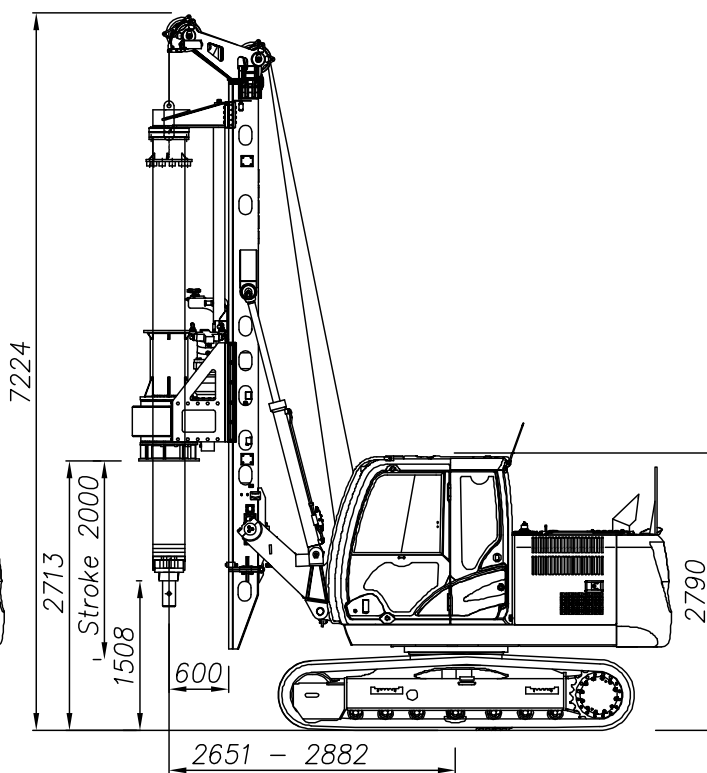
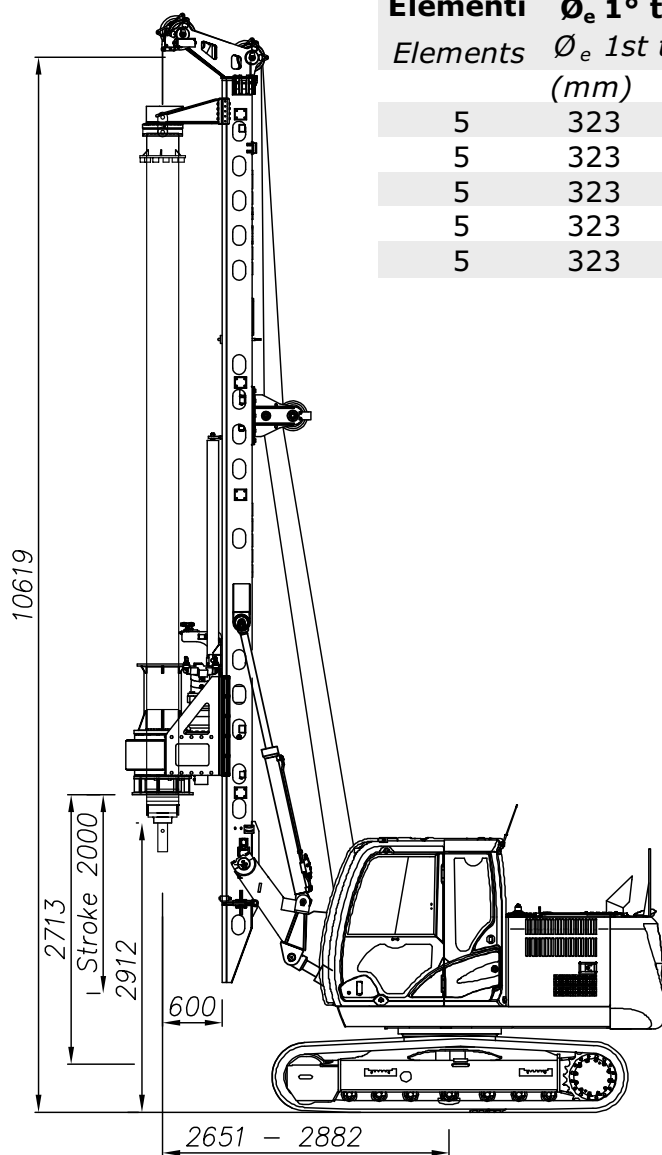


| Base HITACHI                       |                              | HITACHI Base                     |       |        |        |
|------------------------------------|------------------------------|----------------------------------|-------|--------|--------|
| Tipo                               | Type                         | Hitachi ZX130 LCN-5b             |       |        |        |
| Motore Diesel                      | Diesel engine                | Isuzu AJ-4JJ1X - T4i/Stage3B     |       |        |        |
| 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                      | Diesel engine                | JCB EcoMAX 444 TCA - T4i/Stage3B |       |        |        |
| 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 LC3                 |       |        |        |
| Motore Diesel                      | Diesel engine                | Doosan DL06K - T4i/Stage3B       |       |        |        |
| Potenza 2150 rpm                   | Rated power 2150 rpm         | 82                               | kW    | 109    | 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          |                                  |       |        |        |

### 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         | 98,5 | 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

