



**Hydraulic piling rig**  
Attrezzatura idraulica per pali

**B125**



**Prestazioni Pali**

**Piling**

|                                               |                                         |        |         |
|-----------------------------------------------|-----------------------------------------|--------|---------|
| Profondità max.                               | Max. depth                              | 164 ft | 50 m    |
| Diametro max.                                 | Max. diameter                           | 59 in  | 1500 mm |
| Diametro max. con tubo - Martinetto pull-down | Max. diameter with casing - Crowd ram   | 59 in  | 1500 mm |
| Diametro max. con tubo - Argano pull-down     | Max. diameter with casing - Crowd winch | 47 in  | 1200 mm |
| Diametro max. con morsa giracolonna           | Max. diameter with casing oscillator    | 47 in  | 1200 mm |

**Elica continua C.F.A.**

**C.F.A. continuous flight auger**

|                 |               |       |        |
|-----------------|---------------|-------|--------|
| Profondità max. | Max. depth    | 65 ft | 20 m   |
| Diametro max.   | Max. diameter | 31 in | 800 mm |

**Diaframmi**

**Diaphragm wall**

|                      |                       |       |         |
|----------------------|-----------------------|-------|---------|
| Profondità max.      | Max. depth            | 95 ft | 29 m    |
| Lunghezza max. scavo | Max. length of trench | 82 in | 2500 mm |
| Larghezza max. scavo | Max. width of trench  | 31 in | 800 mm  |

**Caratteristiche Carro**

**Undercarriage**

|                          |                             |         |         |
|--------------------------|-----------------------------|---------|---------|
| Larghezza cingoli chiusi | Width with retracted tracks | 8.2 ft  | 2500 mm |
| Larghezza cingoli aperti | Width with extended tracks  | 12.1 ft | 3700 mm |
| Lunghezza cingoli        | Track length                | 14.8 ft | 4510 mm |
| Larghezza pattini        | Shoes width                 | 24 in   | 600 mm  |

**Motore**

**Engine**

**Cummins QSB 6.7 Turbocharged (EPA/COM III)**

|                    |                   |        |        |
|--------------------|-------------------|--------|--------|
| Potenza a 2200 rpm | Power at 2200 rpm | 220 HP | 164 kW |
|--------------------|-------------------|--------|--------|

**Argano principale**

**Main winch**

|                    |                 |            |          |
|--------------------|-----------------|------------|----------|
| Tiro max.          | Max. line pull  | 30,350 lbs | 135 kN   |
| Velocità max. fune | Max. line speed | 236 ft/min | 72 m/min |

**Argano ausiliario**

**Auxiliary winch**

|                    |                 |            |          |
|--------------------|-----------------|------------|----------|
| Tiro max.          | Max. line pull  | 15,740 lbs | 70 kN    |
| Velocità max. fune | Max. line speed | 243 ft/min | 74 m/min |

**Argano principale uso KRC**

**Main winch for KRC use**

|                    |                 |            |          |
|--------------------|-----------------|------------|----------|
| Tiro max.          | Max. line pull  | 25,180 lbs | 112 kN   |
| Velocità max. fune | Max. line speed | 305 ft/min | 93 m/min |

**Testa rotary**

**Rotary head**

**H12.20**

|                      |                     |              |         |
|----------------------|---------------------|--------------|---------|
| Coppia max.          | Max. torque         | 82,607 lb ft | 112 kNm |
| Velocità max. lavoro | Max. drilling speed | 33 rpm       | 33 rpm  |
| Velocità di scarico  | Discharge speed     | 130 rpm      | 130 rpm |

**Martinetto pull-down**

**Crowd ram**

|             |                |            |        |
|-------------|----------------|------------|--------|
| Tiro max.   | Max. line pull | 33,272 lbs | 148 kN |
| Spinta max. | Max. crowd     | 25,630 lbs | 114 kN |

**Argano pull-down**

**Crowd winch**

|             |                |            |        |
|-------------|----------------|------------|--------|
| Tiro max.   | Max. line pull | 54,000 lbs | 240 kN |
| Spinta max. | Max. crowd     | 54,000 lbs | 240 kN |

**Peso**

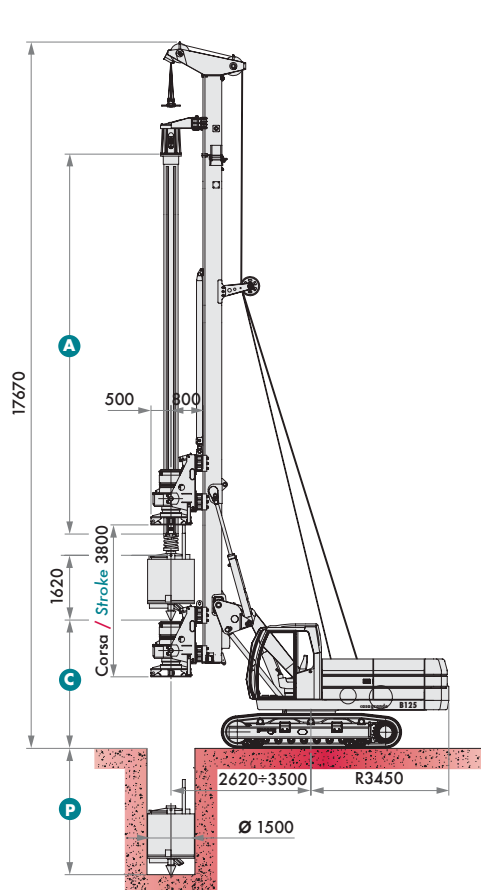
**Weight**

|                                      |                             |             |           |
|--------------------------------------|-----------------------------|-------------|-----------|
| Attrezzatura in condizioni di lavoro | Weight in working condition | ~80,250 lbs | ~36500 kg |
|--------------------------------------|-----------------------------|-------------|-----------|

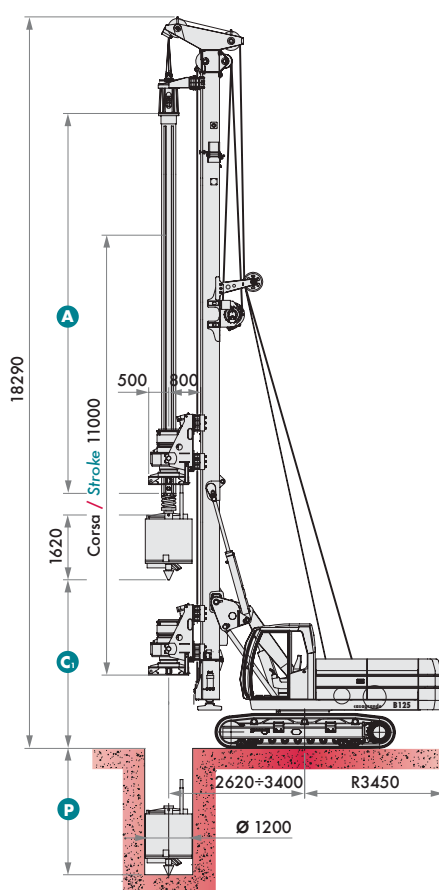


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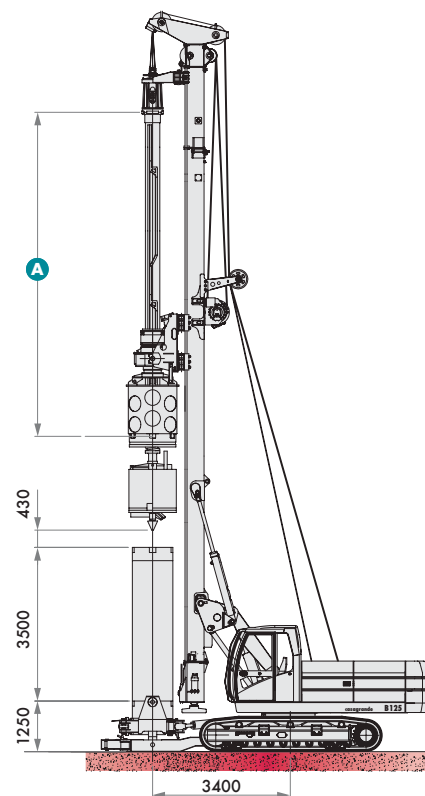
## Composizioni generali e dimensioni General arrangement and dimensions



**Martinetto pull - down**  
**Crowd ram**



**Argano pull-down**  
**Crowd winch**



**Applicazione morsa**  
**giracolonna**  
**Casing oscillator application**

### Profondità di scavo • Drilling depth

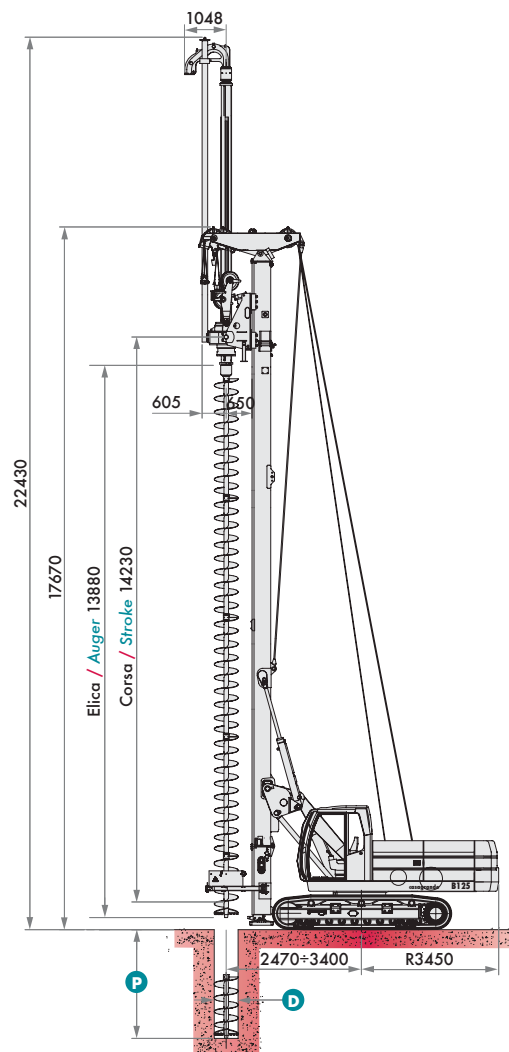
| A              | Lunghezza nominale aste                  |    | 7500 | 9500 | 11000 |
|----------------|------------------------------------------|----|------|------|-------|
|                | Nominal kelly bars length                |    |      |      |       |
| P              | Aste bloccaggio - 4 elementi             | m  | 26   | 34   | 40    |
|                | Interlocking type kelly bar - 4 elements | ft | 85   | 112  | 131   |
| C              | Aste a frizione - 5 elementi             | m  | 32,5 | 42,5 | 50    |
|                | Friction type kelly bar - 5 elements     | ft | 107  | 139  | 164   |
| C <sub>1</sub> | Altezza max. utensile da terra           | mm | 3210 | 3210 | 2090  |
|                | Max. ground clearance                    | ft | 11   | 11   | 7     |
| G              | Altezza max. utensile da terra           | mm | 6220 | 4220 | 2720  |
|                | Max. ground clearance                    | ft | 20   | 14   | 9     |





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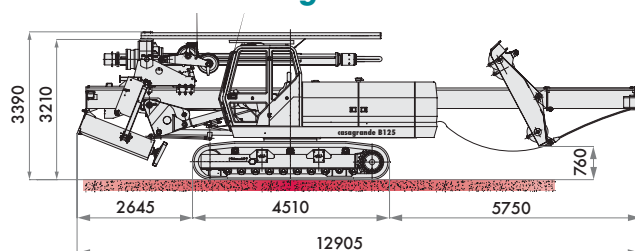
## Allestimento elica continua C.F.A. C.F.A. continuous flight auger



### Dimensioni di scavo C.F.A. • Borehole dimensions C.F.A.

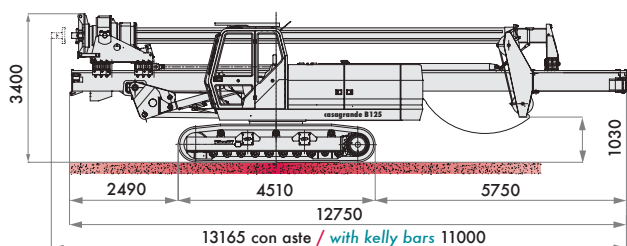
|          |                                    |     |              |
|----------|------------------------------------|-----|--------------|
| <b>D</b> | Diametro max.                      | mm  | 800          |
|          | Max. diameter                      | in  | 32           |
| <b>P</b> | Profondità max.                    | mm  | 13930 + 6000 |
|          | Max. depth                         | ft  | 46 + 20      |
| <b>P</b> | Profondità max. con pulitore elica | mm  | 12800 + 6000 |
|          | Max. depth with auger cleaner      | ft  | 42 + 20      |
|          | Forza max. di estrazione           | kN  | 340          |
|          | Max. extraction force              | lbs | 76,435       |

### Versione CFA • Arrangement for CFA



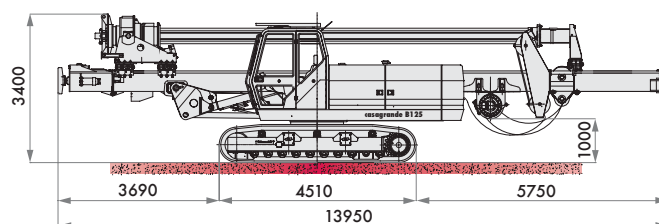
Peso ~ 34000 kg  
Weight ~ 75,000 lbs

### Versione con martinetto pull-down Arrangement with crowd cylinder



Peso ~ 36500 kg  
Weight ~ 80,500 lbs

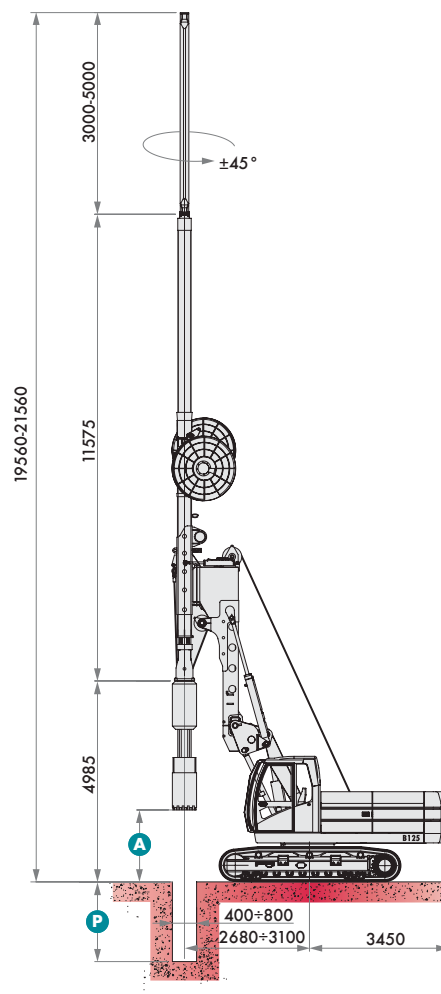
### Versione con argano pull-down Arrangement with crowd winch



Peso ~ 39000 kg  
Weight ~ 86,000 lbs

## Allestimento diaframmi KRC KRC diaphragm wall

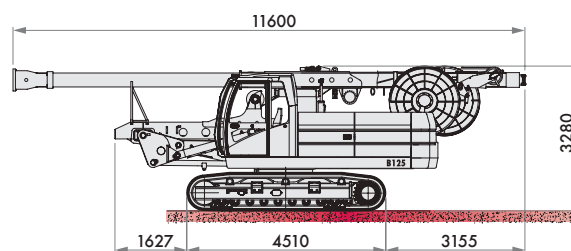
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### Benna idraulica • Hydraulic Grab

| A | Altezza da terra a valve chiuse / Height with closed jaws | K 2200     | K 2500     |
|---|-----------------------------------------------------------|------------|------------|
|   |                                                           | 2280 / 7.5 | 1780 / 5.8 |
| C | Prolunga / Extension                                      | P          | P          |
|   |                                                           | m/ft       | m/ft       |
|   |                                                           | 23,4/76.8  | 23,9/78.4  |
|   |                                                           | 26,4/86.6  | 26,9/88.3  |
|   |                                                           | 28,4/93.2  | 28,9/94.8  |
|   |                                                           |            |            |

### Fase di trasporto • Transport mode



Peso ~ 32000 kg  
Weight ~ 31.5 ton





## OPTIONALS

Impianto per l'ingrassaggio / *Automatic greasing system*

Kit per avviamento a basse temperature / *Low temperature starting kit*

Kit di luci supplementari / *Kit of auxiliary lights*

Pedane rinforzate su carro / *Reinforced footboards on undercarriage*

Pompa lavaggio / *High pressure water cleaning pump*

Riscaldatore/condizionatore cabina / *Cabin air-conditioning/heating system*

Zavorra supplementare da 940 kg / *Additional counterweight 940 kg*

Applicazione di telecamera a colori con monitor da 5,6' per controllo tamburo argano principale / *Video unit with one camera and 5.6' monitor to control the main winch drum*

Applicazione di due telecamere a colori con monitor da 5,6', per controllo tamburo argano principale e spazio dietro alla torretta / *Video unit with two cameras and one 5.6' monitor to control the main winch drum and the space behind upperstructure*

Ringhiere di protezione su torretta / *Railings on upper structure*

Argano ausiliario Zollern a discesa libera e controllata - tiro nominale: 35 kN / *Auxiliary winch: Zollern free-controlled fall winch - nominal line pull = 35 kN*

Pulisci elica stellare / *Star type auger cleaner*

Vibratore per gabbie / *Hydraulic vibrator for cages*

Kit arganelli pull down per elica continua, Spinta massima sull'elica 50 kN / *Pull down winches application kit for CFA arrangement, max. pull on the auger is 50 kN*

Apparecchiatura Lutz per la misurazione, la visualizzazione e la registrazione digitale dei seguenti parametri: / *Lutz instrumentation for measuring, displaying and digital recording of the following parameters:*

- profondità / - *drilling depth*
- pressione del calcestruzzo / - *concrete pressure*
- portata e volume del calcestruzzo / - *concrete capacity and volume*
- inclinazione del mast su due assi / - *mast inclination (two axis)*

- l'apparecchiatura è completa di software per l'elaborazione dei dati su PC / *The instrument is complete with software for processing the data on a PC*

Dispositivo per la trasmissione tramite telefono cellulare dei parametri di lavoro rilevati dall'apparecchiatura Lutz / *Device for transmission throu mobile telephon of parameters measured by Lutz instrumentation*

Kit risalita automatica per CFA per apparecchiatura Lutz / *Kit for automatic extraction of CFA for Lutz instrumentation*