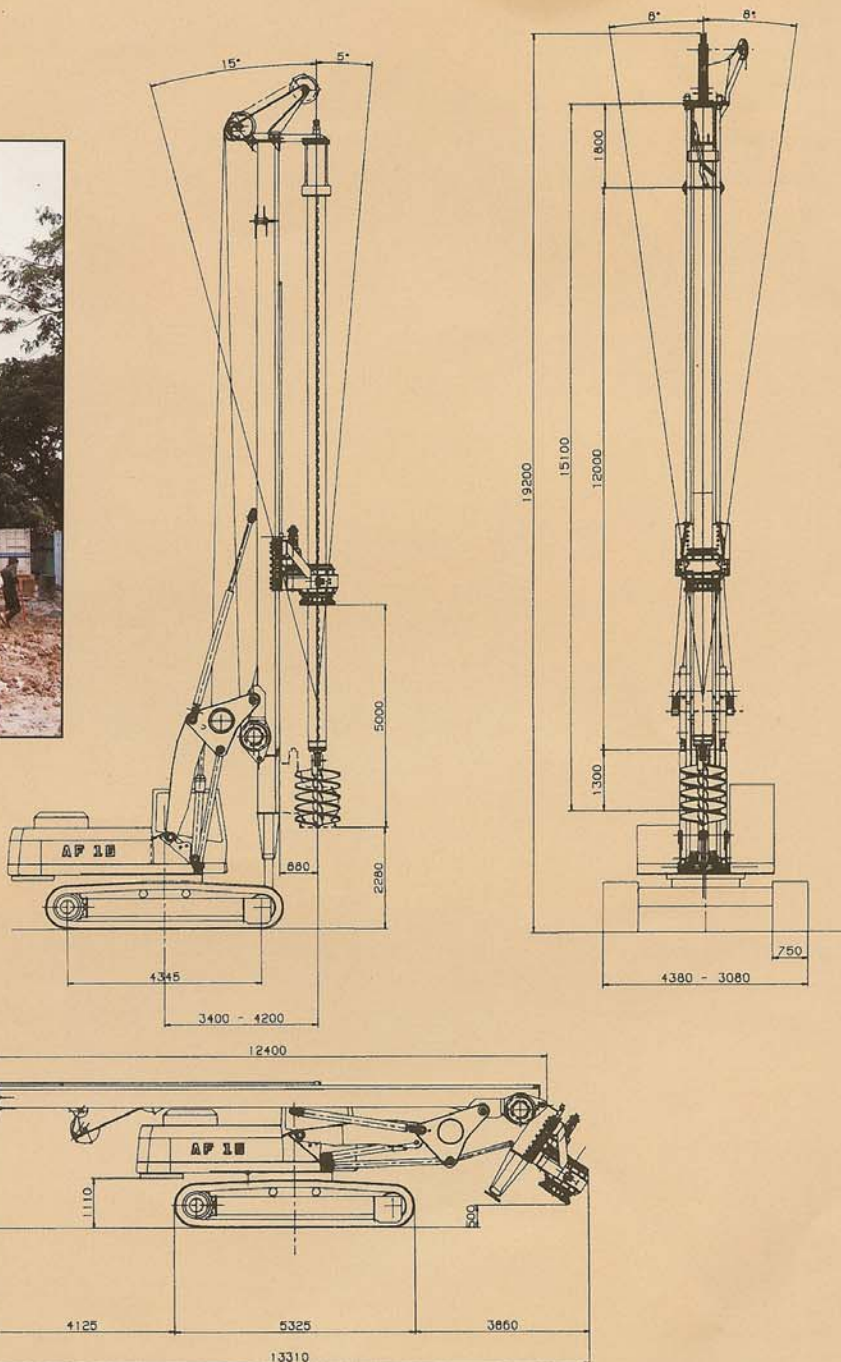




# #157 IMT

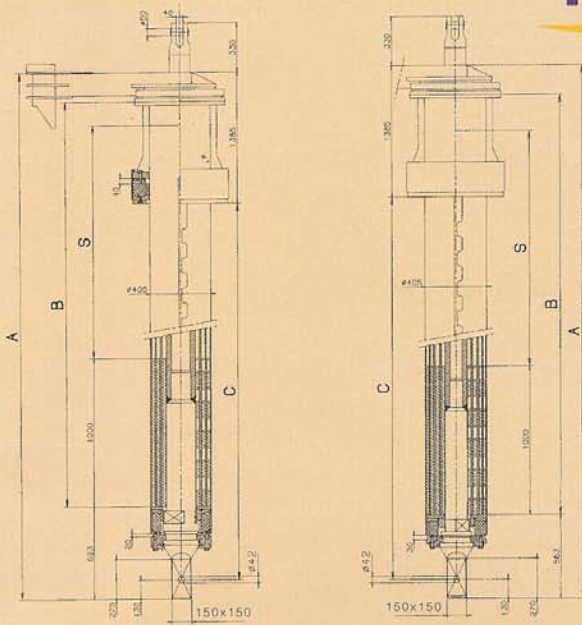


| BASE MACHINE                               |  |
|--|--|
| BASE CARRIER                               | CATERPILLAR 330 EL                                     |
| ENGINE                                     | CAT 3306 TA  |
| POWER                                      | 183 Kw - 250 HP  |
| ROTATION SPEED                             | 1800 rpm   |
| HYDRAULIC SYSTEM                           |  |
| Main Pump (Hydraulic oil flow)/Pressure    | 2 x 200 L/min - 350 bar                                |
| Service Pump (Hydraulic oil flow)/Pressure | 1 x 100 L/min - 320 bar                                |
| CRAWLER SPEED (max.)                       | 2,7 - 4,5 Km/h   |
| UNDERCARRIAGE                              | Extensible tracks, class D7, traction force 340-400 kN |
| LENGTH OF CRAWLERS center/center           | 4345 mm  |
| OVERALL CRAWLERS LENGTH                    | 5325 mm  |
| STANDARD WIDTH OF TRACK SHOES              | 750 mm   |
| WIDTH IN WORKING POSITION                  | 4400 mm  |
| WIDTH IN TRANSPORT POSITION                | 3100 mm  |
| HEIGHT IN TRANSPORT POSITION               | 3260 mm  |



# #157 IMT

## TECHNICAL DATA



| DRILLING DEPTH (with tool 1,5 m high and high boom) |             |           |       |             |             |            |
|---|-------------|-----------|-------|-------------|-------------|------------|
| No. Telescopic Bars/Nominal Depth                   | LENGTH A mm | PIPE B mm | C mm  | STROKE S mm | MAX DEPTH m | WEIGHT (t) |
| 4/35  | 10955       | 10135     | 9940  | 8975        | 35,2        | 5,9        |
| 4/42  | 12550       | 11730     | 11535 | 13570       | 41,6        | 6,6        |
| 4/46  | 13550       | 12730     | 12535 | 11570       | 45,6        | 7,2        |
| 5/45*   | 10990       | 10230     | 9980  | 8975        | 44,2        | 5,6        |
| 5/54*   | 12585       | 11825     | 11575 | 10570       | 52,2        | 6,3        |
| 5/64*   | 14580       | 13820     | 13570 | 12565       | 62,2        | 7,2        |

(\*) MAX TORQUE 150 kNm - (£) M.D. = C-3150+1500+S (N-1)

| STANDARD DRILLING EQUIPMENT      |  |   |
|----------------------------------|--|---|
| Push-Pull System on the rotary   |  | Cylinder  |
| Rotary                           | max torque<br>rotation speed<br>discharge speed                                | 185 kNm<br>7 - 27 rpm<br>35 - 110 rpm                                     |
| Mast Height                      | horizontal adjustment cylinders retracted                                      | 19 m  |
| Main Winch                       | pulling force (in kN)<br>max. line speed (m/min)<br>rope diam. (mm)/length (m) | 180<br>80 - 90<br>26/90   |
| Auxiliary Winch                  | pulling force (in kN)<br>max. line speed (m/min)<br>rope diam. (mm)/length (m) | 100<br>90<br>18/85  |
| Pull-Down Cylinder               | stroke length (m) = push down/pull (kN)<br>pull-down speed (m/min)             | 5 = 180/200<br>0 - 9  |
| 3 <sup>rd</sup> Winch            | stroke length (m)<br>crowd force push down/pull (kN)                           | Optional  |
| Oscillator Attachment (optional) |  | - Frame connection to the undercarriage<br>- Hydraulic plant modification |
| Max Drilling diameter (mm)       | without casing<br>with casing<br>with oscillator                               | 2000<br>1500<br>1500  |
| Casing Length max (mm)           | without oscillator<br>with oscillator  | 4500<br>4500  |
| Weight (with standard kelly bar) |  | 59 tons   |