

## Specifications: D 80-23 Diesel Pile Hammer

### Dimensions approx:

|                                 |    |         |           |
|---------------------------------|----|---------|-----------|
| Hammer Length:                  | A1 | 7211 mm | 23' 8"ft  |
| Hammer Length w/starter guides: | A  | 8257 mm | 27' ft    |
| Outer diameter of impact block: | B  | 820 mm  | 2' 8" ft  |
| Min. Guiding Width:             | C  | 1067 mm | 42" in    |
| Width of Hammer:                | D  | 900 mm  | 35" in    |
| Hammer Center to Pump Guard:    | F  | 549 mm  | 1' 10" ft |
| Hammer Center to Trip:          | G  | 634 mm  | 2' ft     |
| Hammer Depth:                   | H  | 1270 mm | 4' 2" ft  |

### VIEW PARTS MANUAL HERE

|                |           |                 |
|----------------|-----------|-----------------|
| Pump Setting 1 | 171.5 kNm | 126,123 ft.lbs. |
| Pump Setting 2 | 197.3 kNm | 145,100 ft.lbs. |
| Pump Setting 3 | 240.5 kNm | 176,840 ft.lbs. |
| Pump Setting 4 | 267.8 kNm | 196,929 ft.lbs. |

### Weights approx:

|                                       |               |            |
|---------------------------------------|---------------|------------|
| Weight of diesel pile hammer approx.: | 19.28 US tons | 38,559 lbs |
| Weight of piston approx.:             | 8000 kg       | 17,637 lbs |
| Impact Block approx.:                 | 2100 kg       | 4,630 lbs  |
| Tripping device approx.:              | 870 kg        | 1,918 lbs  |
| Tool box approx.:                     | 125 kg        | 275.6 lbs  |

### Energy Per Blow

|                  |           |                |
|------------------|-----------|----------------|
| Max:             | 267.8 kNm | 196,929 ft lbf |
| Min:             | 171.5 kNm | 126,123 ft lbf |
| Number of blows: |           | 36-45 min      |

### Batter Info

|                                      |         |
|--------------------------------------|---------|
| Max. gradient of batter pile driven: | 1:2/1:1 |
|--------------------------------------|---------|

### Consumption

|                  |           |          |
|------------------|-----------|----------|
| Diesel fuel:     | 25 L hr.  | 6.6 gph  |
| Lubrication oil: | 2.9 L hr. | 0.76 gph |

### Volume

|                  |       |          |
|------------------|-------|----------|
| Diesel oil tank: | 155 L | 40.9 gal |
| Lube tank:       | 32 L  | 8.45 gal |

