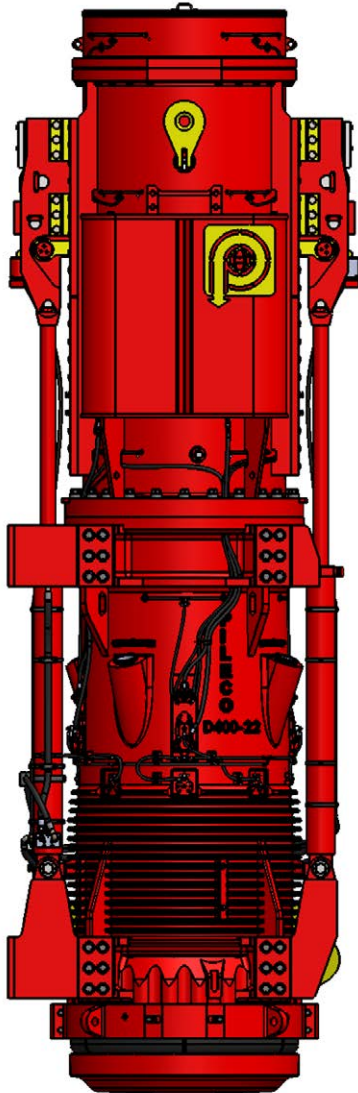


491 Conroe Park W. Dr. • Conroe, TX 77303

## Specifications: D 400-12 Diesel Pile Hammer



### Dimensions approx:

|                                 |   |         |        |
|---------------------------------|---|---------|--------|
| Hammer Length:                  | A | 8458 mm | 27' 9" |
| Outer diameter of Impact Block: | B | 1500 mm | 4' 11" |
| Width of Hammer:                | C | 2286 mm | 7' 6"  |
| Depth of Hammer:                | D | 2235 mm | 7' 4"  |

### Weights approx:

|                          |           |             |
|--------------------------|-----------|-------------|
| Weight of Diesel Hammer: | 93.7 t    | 187,393 lbs |
| Weight of Piston:        | 40,000 kg | 88,185 lbs  |
| Weight of Impact Block:  | 15,099 kg | 33,287 lbs  |

### Energy per blow

|                      |            |                    |
|----------------------|------------|--------------------|
| Max:                 | 1334.1 kNm | 980,957.621 ft lbs |
| Min:                 | 862.7 kNm  | 634,303.42 ft lbs  |
| By free-drop piston: | 707.2 kNm  | 519,981.29 ft lbs  |
| Number of blows:     | 36-45 min  |                    |

### Piston Stroke

|                                      |               |                  |
|--------------------------------------|---------------|------------------|
| Diesel Pile Hammer run:              | 3.4 m – 2.2 m | 11.2 ft – 7.2 ft |
| By free-drop piston:                 | 1.8 – 0       | 5.9 ft – 0       |
| Max. gradient of batter pile driven: | ± 11.3 °      |                  |

### Consumption

|                  |           |         |
|------------------|-----------|---------|
| Diesel fuel:     | 115 L hr. | .51 gpm |
| Lubrication oil: | 7.2 L hr. | .03 gpm |

### Volume

|                  |         |            |
|------------------|---------|------------|
| Diesel oil tank: | 1,360 L | 359.27 gal |
| Lube tank:       | 68 L    | 17.96 gal  |

### Hydraulic Lifting System

|                             |           |           |
|-----------------------------|-----------|-----------|
| Working pressure:           | 12 MPa    | 1,740 psi |
| Max. hydraulic flow:        | 170 L min | 44.91 gpm |
| Travel of lifting cylinder: | 2,100 mm  | 82.68 in. |

