APE/SEMW Model D30-32 Single Acting Impact Hammer

**Model D30-32** (3.0 metric ton ram)

APE offers diesel hammers with ram weights up to 22,000 lbs.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum rated energy</td>
<td>69,998 ft-lbs</td>
</tr>
<tr>
<td>Minimum rated energy</td>
<td>35,383 ft-lbs</td>
</tr>
<tr>
<td>Stroke at rated energy</td>
<td>10 feet 6 inches</td>
</tr>
<tr>
<td>Maximum obtainable stroke</td>
<td>12 feet 5 inches</td>
</tr>
<tr>
<td>Speed (blows per minute)</td>
<td>36-52</td>
</tr>
</tbody>
</table>

### Weights

- **Piston** 6,615 lbs
- **Anvil** 1,360 lbs
- **Hammer weight (includes trip device)** 12,155 lbs
- **Typical operating (weight with drive cap)** 14,600 lbs

### Striker Plate

- Weight \(D^2 \times 3.14/4 \times 6 \times .283\) = 675 lbs
- Diameter 22.5 inches
- Thickness (the 6 in above equation is thickness of plate) 6 inches

### Cushion Material

- **Type** Monocast MC 901
- **Diameter** 22.5 inches
- **Thickness** 2 inches
- **Elastic Modulus** 285 kips per square inch
- **Coeff. of Restitution** 0.8

### Drive Cap (Helmet)

- **Weight (fits 8 by 26" leads)** 1,166 lbs
- **Note:** If using 32 inch leads the drive cap will weigh: 1,550 lbs

### Drive Cap Insert Weight

- Square box inserts size 10" through 20 inch: 1,400 lbs
- Pipe inserts for pipe size 12" to 24" diameter: 2,545 lbs

### Capacities

- **Fuel tank** (runs on diesel or bio-diesel) 17.70 gal
- **Oil tank** 2.4 gal

### Consumption

- Diesel or Bio-diesel fuel 2.64 gal/hr
- Lubrication oil 0.26 gal/hr
- Grease: Grease twice per day or after 45 minutes of continuous driving

### Dimensions of Hammer

- **a** Length overall 207.1 inches
- **b** Length over cylinder extension 246.4 inches
- **b** Impact block diameter 22.0 inches
- **c** Width over bolts 30.7 inches
- **d** Hammer width overall 28.3 inches
- **e** Width for guiding- face to face 21.2 inches
- **f** Hammer center to pump guard 15.9 inches
- **g** Hammer center to bolt center 9.2 inches
- **h** Hammer depth overall 28.1 inches
- **H** Minimum clearance for leads 19.7 inches

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We reserve the right to modify specifications without notice.