

APE Model D62-42 Single Acting Diesel Impact Hammer

D62-42 in a stand-off driving Kingpile.



MODEL D62-42 (6.2 metric ton ram)

SPECIFICATIONS

| | |
|----------------------------------------------------------------------------------------|-----------------------------|
| Stroke at maximum rated energy | 135 in (343 cm) |
| Maximum rated energy (Setting 4) | 154,482 ft-lbs (209,447 Nm) |
| Setting 3 | 130,537 ft-lbs (176,982 Nm) |
| Setting 2 | 105,050 ft-lbs (142,427 Nm) |
| Minimum rated energy (Setting 1) | 75,696 ft-lbs (102,629 Nm) |
| <i>(Variable throttle allows for lower minimum energy and infinite fuel settings.)</i> | |

| | |
|---------------------------|-----------------------------|
| Maximum obtainable stroke | 157 in (381 cm) |
| Maximum obtainable energy | 178,862 ft-lbs (242,501 Nm) |
| Speed (blows per minute) | 34-53 |

WEIGHTS

| | |
|------------------------------------------------------|-----------------------------|
| Ram | 13,671 lbs (6,200 kg) |
| Anvil | 2,425 lbs (1,100 kg) |
| Anvil cross sectional area | 367.94 sq in (934.56 sq-cm) |
| Hammer weight (includes trip device) | 29,100 lbs (13,300 kg) |
| Typical operating (weight with DB32 and pipe insert) | 34,402 lbs (15,602 kg) |

CAPACITIES

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|------------------------------------------|-------------------------|
| Fuel tank (runs on diesel or bio-diesel) | 25.5 gal (96.52 liters) |
| Oil tank | 8.2 gal (31 liters) |

CONSUMPTION

| | |
|---------------------------|---------------------------------------------------|
| Diesel or Bio-diesel fuel | 5.2 gal/hr (19.68 liters/hr) |
| Lubrication | .52 gal/hr (1.96 liters/hr) |
| Grease | 8 to 10 pumps every 45 minutes of operation time. |

Optional Variable Throttle Control.



Drive Base Assembly.



STRIKER PLATE

| | |
|-----------|-----------------------|
| Weight | 1,036 lbs (470 kg) |
| Diameter | 25 in (57.15 cm) |
| Area | 471 sq-in (696 sq-cm) |
| Thickness | 8 inches (20.32 cm) |

CUSHION MATERIAL

| | |
|--------------------------|---------------------|
| Type/Qty | Micarta/2 ea |
| Diameter | 25 in (57.15 cm) |
| Thickness | 1in (25.4 mm) |
| Type/Qty | Aluminum/3 ea |
| Thickness | 1/2 in (12.7 mm) |
| Diameter | 25 in (57.15 cm) |
| Total combined thickness | 3 inches (5.08) |
| Area | 490 in (1,246 cm) |
| Elastic-modulus | 285 ksi (1,965 mpa) |
| Coeff. of restitution | .8 |

DRIVE CAP

| | |
|--------|----------------------|
| DB 32: | 2,436 lbs (1,104 kg) |
|--------|----------------------|

INSERT WEIGHT

| | |
|--------------------------------------------------|--------------------|
| H-Beam insert for 12" (305 mm) and 14" (355 mm): | 948 lbs (430 kg) |
| Large pipe insert for sizes 12" to 24" diameter: | 1,830 lbs (830 kg) |

MINIMUM BOX LEAD SIZE/OPERATING LENGTH

| | |
|-------------------------------------|------------------------------------|
| Minimum box leader size | 8 in x 32 in (20.32 cm x 81.28 cm) |
| Operating length as described above | 374 in (9.5 m) |



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