APE Model D30-42 Single Acting Diesel Impact Hammer

**SPECIFICATIONS**

- Stroke at maximum rated energy: 135 in (343 cm)
- Maximum rated energy (Setting 4): 74,419 ft-lbs (100.47 kNm)
- Setting 3: 66,977 ft-lbs (90.42 kNm)
- Setting 2: 55,070 ft-lbs (74.34 kNm)
- Minimum rated energy (Setting 1): 37,209 ft-lbs (50.23 kNm)

**WEIGHTS (Approximate)**

- Ram: 6,615 lbs (3,000 kg)
- Anvil: 1,358 lbs (616 kg)
- Anvil cross sectional area: 367.94 in² (2373.80 cm²)
- Hammer weight (includes trip device): 13,571 lbs (6,154 kg)
- Typical operating (weight with DB26 and H-beam insert): 16,223 lbs (7,357 kg)

**CAPACITIES**

- Fuel tank (runs on diesel or bio-diesel): 17.4 gal (65 liters)
- Oil tank: 5 gal (19 liters)

**CONSUMPTION**

- Diesel or Bio-diesel fuel: 2.6 gal/hr (9.84 liters/hr)
- Lubrication: 0.26 gal/hr (1 liters/hr)
- Grease: 8 to 10 pumps every 20 minutes of operation time.

**STRIKER PLATE FOR DB 26**

- Weight: 628 lbs (284 kg)
- Diameter: 22.5 in (57.15 cm)
- Area: 398 in² (2567.74 cm²)
- Thickness: 6 in (15.24 cm)

**CUSHION MATERIAL**

- Type/Qty: Micarta / 2 each
- Diameter: 22.5 in (57.15 cm)
- Thickness: 1 in (25.4 mm)

- Type/Qty: Aluminum / 3 each
- Thickness: 1/2 in (12.7 mm)
- Diameter: 22.5 in (57.15 cm)
- Total Combined Thickness: 3.5 in (8.89 cm)
- Area: 398 in² (2567.74 cm²)
- Elastic-modulus: 285 ksi (1,965 mpa)
- Coeff. of restitution: 0.8

**DRIVE CAP**

- DB 26: 1,076 lbs (488 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 26 in (20.32 cm x 66 cm)
- Operating length as described above: 354 in (900 cm)