APE Model D25-52 Single Acting Diesel Impact Hammer

MODEL D25-52 (2.5 metric ton ram)

SPECIFICATIONS

- Stroke at maximum rated energy: 135 in (343 cm)
- Maximum rated energy (Setting 4): 62,016 ft-lbs (83.72 kNm)
- Setting 3: 55,814 ft-lbs (75.35 kNm)
- Setting 2: 45,892 ft-lbs (61.95 kNm)
- Minimum rated energy (Setting 1): 31,008 ft-lbs (41.86 kNm)

Maximum obtainable stroke: 150 in (381 cm)
Maximum obtainable energy: 72,115 ft-lbs (97,774 kNm)
Speed (blows per minute): 34-53

WEIGHTS (Approximate)

- Piston: 5,512 lbs (2,500 kg)
- Anvil: 1,358 lbs (616 kg)
- Anvil cross sectional area: 367.94 in² (2373.80 cm²)

Hammer weight (includes trip device): 12,569 lbs (5,700 kg)
Typical operating (weight with DB26 and H-beam insert): 15,221 lbs (6,902 kg)

CAPACITIES

- Fuel tank (runs on diesel or bio-diesel): 17.4 gal (65.8 liters)
- Oil tank: 4.9 gal (18.54 liters)

CONSUMPTION

- Diesel or Bio-diesel fuel: 2.08 gal/hr (7.87 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-DB26: 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: 2.5 in (6.35 cm)
- Area: 398 in² (2567.74 cm²)
- 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 w/ base and insert: 354 in (900 cm)

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Note: All specifications are subject to change without notice 08/20/2012