APE Model D16-52 Single Acting Diesel Impact Hammer

MODEL D16-52 (1.6 metric ton ram)

SPECIFICATIONS
- Stroke at maximum rated energy: 135 in (343 cm)
- Maximum rated energy (Setting 4): 39,690 ft-lbs (53.58 kNm)
- Setting 3: 32,943 ft-lbs (44.47 kNm)
- Setting 2: 26,195 ft-lbs (35.36 kNm)
- Minimum rated energy (Setting 1): 19,845 ft-lbs (26.79 kNm)
- (Variable throttle allows for infinite fuel settings)
- Maximum obtainable stroke: 12 feet 5 in (381 cm)
- Maximum obtainable energy: 43,606 ft-lbs (59 kNm)
- Speed (blows per minute): 34-52

WEIGHTS (Approximate)
- Piston: 3,528 lbs (798 kg)
- Anvil: 749 lbs (340 kg)
- Anvil cross sectional area: 124.42 in² (802.71 cm²)
- Hammer weight (includes trip device): 8,000 lbs (1,950 kg)
- Typical operating weight (With DB26 and H-beam insert): 10,772 lbs (3,153 kg)

CAPACITIES
- 8.3 gal (7.2 liters)
- Fuel tank (runs on diesel or bio-diesel): 2.3 gal (6 liters)

CONSUMPTION
- Diesel or Bio-diesel fuel: 1.9 gal/hr (250 liters/hr)
- Lubrication: 0.13 gal/hr (.49 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)

STRIKER PLATE FOR DB 20
- Weight: 440 lbs (199 kg)
- Diameter: 17.75 in (45.08 cm)
- Area: 247 in² (1593.55 cm²)
- Thickness: 6 in (15.24 cm)

CUSHION MATERIAL
- Type: Monocast MC 904
- Diameter-DB26: 22.5 in (57.15 cm)
- Diameter-DB20: 17.75 in (45.08 cm)
- Thickness: 2 in (5.08 cm)
- Elastic-modulus: 285 ksi (1,965 mpa)
- Coeff. of restitution: 0.8

DRIVE CAP
- DB 26: 1,076 lbs (488 kg)
- DB 20: 750 lbs (340 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 21 in (20.32 cm x 53.34 cm)
- Operating length w/ base and insert: 348 in (883.92 cm)

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