**APE Model D8-42 Single Acting Diesel Hammer**

**MODEL D8-42 (.8 metric ton ram)**

**SPECIFICATIONS**
- Stroke at maximum rated energy: 135 in (343 cm)
- Maximum rated energy (Setting 4): 19,845 ft-lbs (27.79 kNm)
- Setting 3: 16,471 ft-lbs (22.24 kNm)
- Setting 2: 13,098 ft-lbs (17.68 kNm)
- Minimum rated energy (Setting 1): 9,724 ft-lbs (13.13 kNm)
- Maximum obtainable stroke: 150 in (381 cm)
- Maximum obtainable energy: 22,000 ft-lbs (30 kNm)
- Speed (blows per minute): 34-52

**WEIGHTS (Approximate)**
- Piston: 1,760 lbs (798 kg)
- Anvil: 352 lbs (160 kg)
- Anvil cross sectional area: 76 in² (490.32 cm²)
- Hammer weight (includes trip device): 4,540 lbs (2,059 kg)
- Typical operating (weight with DB26 and H-beam insert): 7,302 lbs (3,312 kg)

**CAPACITIES**
- Fuel tank (runs on diesel or bio-diesel): 4.7 gal (17.79 liters)
- Oil tank: 1.3 gal (6 liters)

**CONSUMPTION**
- Diesel or bio-diesel fuel: 0.06 gal/hr (.49 liters/hr)
- Oil tank: 1.3 gal (4.9 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 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 LEADER SIZE/OPERATING LENGTH**
- Minimum box leader size: 8 in x 21 in (20.32 cm x 53.34 cm)
- Operating length as described above: 348 in (883.92 cm)

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e-mail: ape@apevibro.com

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