APE Model D36-52 Single Acting Diesel Impact Hammer

MODEL D36-52 (3.6 metric ton ram)

SPECIFICATIONS

Stroke at maximum rated energy 135 in (343 cm)
Maximum rated energy (Setting 4) 89,303 ft-lbs (120.56 kNm)
Setting 3 74,121 ft-lbs (100.06 kNm)
Setting 2 58,940 ft-lbs (79.57 kNm)
Minimum rated energy (Setting 1) 43,758 ft-lbs (59.07 kNm)

(Variable throttle allows for infinite fuel settings)

Maximum obtainable stroke 150 in (381 cm)
Maximum obtainable energy 103,855 ft-lbs (141 kNm)
Speed (blows per minute) 34-53

WEIGHTS (Approximate)

Piston 7,938 lbs (3,600 kg)
Anvil 1,023 lbs (2,255 kg)
Anvil cross sectional area 367.94 in² (2373.80 cm²)
Hammer weight (includes trip device) 22,795 lbs (10,866 kg)
Typical operating (weight with DB26 and H-beam insert) 28,097 lbs (12,742 kg)

CAPACITIES

Fuel tank (runs on diesel or bio-diesel) 23.1 gal (87 liters)
Oil tank 4.5 gal (17 liters)

CONSUMPTION

Diesel or Bio-diesel fuel 3 gal/hr (11 liters/hr)
Lubrication 0.39 gal/hr (1.4 liters/hr)
Grease 8 to 10 pumps every 20 minutes of operation time.

STRIKER PLATE FOR DB 32

Weight 1,036 lbs (470 kg)
Diameter 25 in (63.5 cm)
Area 491 in² (3167.74 cm²)
Thickness 8 in (20.32 cm)

CUSHION MATERIAL

Type/Qty Micarta / 2 each
Diameter 25 in (63.5 cm)
Thickness 1 in (25.4 mm)

Type/Qty Aluminum / 3 each
Thickness 1/2 in (12.7 mm)
Diameter 25 in (63.5 cm)
Total Combined Thickness 3.5 in (8.89 cm)
Area 491 in² (3167.74 cm²)
Elastic-modulus 285 ksi (1,965 mpa)
Coeff. of restitution 0.8

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 354 in (900 cm)

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