

APE Model D36-52 Single Acting Diesel Impact Hammer

MODEL D36-52 (3.6 metric ton ram)

D36-52 in fixed leads.



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)
<i>(Variable throttle allows for infinite fuel settings)</i>	

Maximum obtainable stroke	157 in (381 cm)
Maximum obtainable energy	103,855 ft-lbs (141 kNm)
Speed (blows per minute)	34-53

WEIGHTS (Approximate)

Ram	7,938 lbs (3,600 kg)
Anvil	1,023 lbs (2,255 kg)
Anvil cross sectional area	367.94 in ² (2373.80 cm ²)
Hammer weight (includes trip device)	22,795 lbs (10,866 kg)
Typical operating (weight with DB32 and pipe 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.

Optional Variable Throttle Control



Drive Base Assembly



STRIKER PLATE FOR DB 32

Weight	1,036 lbs (470 kg)
Diameter	25 in (63.5 cm)
Area	491 in ² (3167.74 cm ²)
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 in ² (3167.74 cm ²)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	0.8

DRIVE CAP

DB 32:	2,436 lbs (1,104 kg)
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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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